



EC/Melur/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, Melur – Submission of Half Yearly Compliance Report for June 2026 (for the period from October 2025 to March 2026) - Reg.

Ref: EC Identification No: EC25B3813TN5695233N dt. 27.11.2025

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Vanchinagaram, Kodukkampatti and Boothamangalam Villages of Melur Taluk, Madurai District, Tamil Nadu for June 2026 (for the period of October 2025 to March 2026) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

Copy to:

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

P.T.O.

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

CIN : U74999TN1971SGC005967

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



/2/

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

/Forwarded by Order/


CONSULTANT (ENVIRONMENT)

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

CIN : U74999TN1971SGC005967

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

HALF YEARLY ENVIRONMENTAL COMPLIANCE REPORT

For the Period of October 2025 – March 2026

For

“Development of Industrial Park at Vanchinagaram, Kodukkampatti and Boothamangalam Villages of Melur Taluk, Madurai District, Tamil Nadu”

**EC Identification No. EC25B3813TN5695233N
(EC obtained vide Letter No. SEIAA – TN/F.No. 12844/EC 8(b)/2025
dated:27.11.2025)**

Submitted by



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

May 2026

TABLE OF CONTENTS

S.No	List of Contents		Page No
1.	Project details		1
2.	Location map		2
3.	Site photograph		3
4.	Six monthly environmental clearance statement		4
5.	Environmental Monitoring Details		47
	5.1	Ambient air quality monitoring	47
	5.2	Ambient noise level monitoring	47
	5.3	Soil quality monitoring	49
	5.4	Ground water quality monitoring	47
	5.5	Surface water quality monitoring	47
6.	Conclusion		48

LIST OF ANNEXURES

S.NO	List of content
Annexure 1	EC Copy
Annexure 2	TWAD water supply request letter
Annexure 3	EMC details
Annexure 4	Environmental monitoring report
Annexure 5	Environmental monitoring photographs
Annexure 6	Screenshot of EC copy uploaded in SIPCOT website
Annexure 7	Acknowledgement of EC copy submitted to Heads of the Local bodies
Annexure 8	Newspaper advertisement copy
Annexure 9	SIPCOT Environmental policy approved by Board of Directors

1.0 PROJECT DETAILS

Name of the Project	Development of Industrial Park at Melur
Name of the Proponent	M/S. State Industries Promotion Corporation of Tamil Nadu Ltd.
Location	Vanchinagaram, Kodukkampatti and Boothamangalam Villages of Melur Taluk, Madurai District, Tamil Nadu
EC. No.	EC Identification No. EC25B3813TN5695233N (Letter No. SEIAA – TN/F.No. 12844/EC 8(b)/2025 dated:27.11.2025) Enclosed as Annexure – 1
Area Details	112.655 Ha. (278.26 Acres)
Water Requirement	Total Water Requirement - 2362 KLD Fresh Water Requirement - 1546 KLD Treated Water Requirement - 816KLD Source: Fresh water – TWAD Board Water supply request letter is enclosed as Annexure-2.
Project Cost	Rs. 67.08 cores

2.0 LOCATION MAP



3.0 SITE PHOTOGRAPHS



4.0 SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

SEIAA Condition:

S.No	CONDITION	STATUS OF COMPLIANCE
1.	The Project Proponent shall start the establishment activities only after getting the necessary project/building approvals from the competent authorities.	Condition noted.
2.	The Industrial Park shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies if any within the proposed site in concurrence with the competent authority.	Condition noted.
3.	The Project Proponent shall obtain necessary NOC from Competent Authority for the canals/ponds/ temples if located within the project site as applicable.	Condition noted.
4.	The Project Proponent shall obtain the necessary permission from the TWAD Board for supply of fresh water for the industrial park.	Condition noted. Fresh water will be supplied by TWAD. Water supply request letter to TWAD is enclosed as Annexure -2.
5.	The Project Proponent shall obtain the land use classification as industrial use zone.	Condition noted.
6.	The Project Proponent shall provide Septic tank followed by soak pit arrangements to treat and dispose the sewage generated from the SIPCOT Administrative buildings.	Condition noted and will be complied.
7.	The Project Proponent shall ensure that the individual industries shall obtain prior Consent of the Board under Water (P&CP) Act, 1974 and Air (P&CP) Act, 1981 as amended.	Condition noted and will be complied. All the member units are mandated to obtain necessary statutory approvals /clearances.

8.	The Project Proponent shall ensure that the individual industries shall provide Sewage Treatment Plant to treat the sewage generated from the respective industries, so as to satisfy the standards prescribed by the Board and utilize the treated sewage for gardening within the project site.	Condition noted. All the member units will be instructed to use treated water within their premises.
9.	The Project Proponent shall ensure that the individual industries shall provide Effluent Treatment Plant (ETP) with ZLD system to treat the trade effluent generated from the respective industries, in order to achieve ZLD as committed.	Condition will be complied. All the member industries will be mandated to adopt ZLD based treatment system. Treated effluent will be reused in the process/utilities within their premises.
10.	The Project Proponent shall ensure that no discharge of treated/untreated wastewater by the individual industries outside the premises into any land /water bodies through any means of conveyance at any point of time.	Condition noted. Individual industries will be mandated to provide STP/ETP as per requirements and also mandated to follow ZLD based treatment system..
11.	The Project Proponent shall ensure that the Solid wastes / Plastic wastes shall be handled in accordance with Solid Waste Management Rules, 2016 and Plastic Waste Management Rules, 2016 as amended.	Condition will be complied. Individual industries will mandated to follow all the applicable rules and guidelines. Individual industries will have their own solid waste processing facility. Apart from that SIPCOT will earmark 2 acres of land earmarked for Solid Waste Management Facility (Sheds for recovery and recycling facility) within the IP.
12.	As per the Solid waste management Rules, 2016, the Special Economic Zone/ Industrial Estate/Industrial Park shall earmark at least five percent of the total area of the plot or minimum five plots or sheds for recovery and recycling facility. Hence, the Project Proponent shall ensure to comply the same.	Condition will be complied. Individual industries will have their own solid waste processing facility. Apart from that SIPCOT will earmark 2 acres of land earmarked for Solid Waste Management Facility (Sheds for recovery and recycling facility) within the IP.
13.	The Project Proponent shall ensure that E-wastes shall be handled in accordance with	Condition noted.

	E-waste Management Rules, 2022 as amended.	Individual industries will be mandated to follow all the applicable rules and guidelines.
14.	The Project Proponent shall ensure that Construction wastes shall be handled in accordance with Construction & Demolition Waste Management Rules, 2016 as amended.	Condition noted. Individual industries will be mandated to follow all the applicable rules and guidelines.
15.	The Project Proponent shall ensure that the individual industries shall provide adequate Air pollution control measures so as to satisfy the Ambient Air Quality / Emission / Ambient Noise Level standards prescribed by the Board.	Condition noted. Individual industries will be mandated to follow all the applicable rules and guidelines. Environmental monitoring reports are enclosed as Annexure- 4
16.	The Project Proponent shall undertake all safety precautions and adequate dust control measures such as wind net to control dust emission during construction phase.	Condition noted. Individual industries will be mandated to follow all the applicable rules and guidelines.
17.	The Project Proponent shall maintain a buffer zone of 5 meters all along the periphery of the industrial park and utilize the buffer zone for the development of green belt.	Condition noted .
18.	The Project Proponent shall explore the possibilities of utilizing solar energy for the industrial park.	Condition noted and will be complied.
19.	The Project Proponent shall develop adequate greenbelt within the industrial park as proposed.	Condition noted and will be complied.
20.	The Project Proponent shall submit baseline data of ground water quality for the radius of 10 KM of the project area.	Condition is complied. Detailed Environmental impact assessment study with baseline monitoring data has been submitted to TN- SEIAA.
21.	The Industrial Park shall monitor the ground water in and around the unit premises once in six months, so as to assess	Condition is complied. Groundwater quality monitoring report is enclosed as Annexure-4

	its quality and submit the same to the Board.	
22.	The Project Proponent shall ensure that the individual industries provide rainwater harvesting system within the premises so as to recharge the ground water.	Condition noted and will be complied. Individual industries will mandated to follow the applicable rules and guidelines.
23.	The Project Proponent shall provide adequate storm water. drain to channelize the excess rainwater runoff in and around the premises and ensure that there will not be any water logging in and around the industrial park.	Condition noted and will be complied.
24.	The Project Proponent shall not use single use plastics banned by Government of Tamil Nadu vide G.O.(Ms) No.84 Environment and Forests (EC.2) Department dated: 25.06.2018 and by Government of India vide MoEF & CC Notification No.G.S. R571(E) dated: 12.08.2021.	Condition noted.

Major Conditions:

1.	The Project Proponent (PP) shall ensure the industrial park does not accommodate any Category A or B industries as per the EIA notification 2006, as amended.	Condition noted.
2.	The PP shall maintain the green belt as per the Office Memorandum dated 29.10.2025.	Condition noted and will be complied.
3.	The PP shall obtain valid consent from TNPCB as per the O.M dated 08.10.2025.	Condition noted. EC has been issued as per O.M i.e considering comments / recommendations from TNPCB . Hence, CTE is not applicable. CTO will be obtained during operation stage.

4.	The PP shall duly comply the recommendation issued by TNPCB vide Lr.no T4/TNPCB/F.01/RL/MDU /2025 Dt: 17.11.2025 as mentioned above.	Condition noted and will be complied.
----	--	--

Site specific conditions:

1.	The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.	Condition noted. Individual industries will be instructed to follow all applicable rules and guidelines.
2.	The PP shall install ETP & STP as committed in the EMP and shall ensure that the treatment efficiency meets CPCB standards.	SIPCOT has not proposed STP/ETP for an industrial park. Each individual industry is responsible for establishing its own STP / ETP.
3.	Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water should not to be discharged outside the premises without the permission of the concerned authority.	Condition noted. All the member units will comply with.
4.	As agreed by the project proponent, the CER cost is Rs.150 Lakhs and the amount shall be spent for the Enhancing Water Use Efficiency in Rural Madurai through Smart Infrastructure project as committed within a period of 1 year from the date of issue of EC.	Condition noted and will be complied.

2.SEIAA Specific conditions

i.	As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the Environmental conditions prescribed in the prior Environmental clearance letter(s) through newly developed compliance	Condition noted and will be complied.
----	---	--

	module in the PARIVESH Portal from the respective login. A copy of the half yearly compliance report should be mailed to envcompseiatn@gmail.com.	
ii.	The plantation of saplings shall be carried out in the earmarked greenbelt area as a part of the tree plantation campaign "Ek Ped Ma Ke Naam" and the details of the same shall be uploaded in the MeriLiFE Portal (https://merilife.nic.in).	Condition noted and will be complied.
iii.	As committed by PP, the existing village road passing through the proposed industrial park should be maintained as such. The PP shall neither restrict access to this village road and the road will continue to remain accessible for public use.	Condition noted. The existing village road passing through the proposed industrial park shall be maintained as such and will remain accessible for public use without any restriction by the Project Proponent.

3.SEIAA Standard conditions

<u>Climate Change</u>		
1.	The proponent shall adopt strategies to decarbonize the building, reduce carbon footprints and develop strategies for climate proofing and mitigation.	Condition noted.
2.	The proponent shall adopt strategies to reduce carbon & GHG emissions during operation (operational phase and building materials).	Condition noted.
3.	The proponent shall adopt methodology to control thermal Environment and other shocks in the building.	Condition noted.
4.	The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.	Condition noted.
5.	The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.	Condition noted.

6.	The activities should in no way cause emission and build-up Green House Gases. All actions to be eco-friendly and support sustainable management of the natural resources within and outside the campus premises.	Condition noted.
7.	The proponent shall ensure that the buildings does not cause any damage to water Environment, air quality and should be carbon neutral building.	Condition noted.
<u>Health</u>		
8.	The proponent shall adopt strategies to maintain the health of the inhabitants within and in the vicinity.	Condition noted.
<u>Energy</u>		
9.	The proponent shall adopt strategies to reduce electricity demand and consumption.	Condition noted.
10.	The proponent shall provide provisions for automated energy efficiency.	Condition noted.
11.	The proponent shall provide provisions for controlled ventilation and lighting systems.	Condition noted.
12.	The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.	Not applicable. SIPCOT has not proposed a Sewage Treatment Plant (STP) for the industrial park. Each individual industry is responsible for establishing its own STP and will provide an adequately sized standby DG set to ensure uninterrupted and efficient operation of the treatment facility.
<u>Regulatory Frameworks</u>		
13.	The proponent shall effectively implement and strictly adhere to the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes	Condition noted. All the member units will be mandated to follow all waste management rules and guidelines.

	(Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.	
14.	The proponent shall provide elevator as per rules CMDA/DTCCP.	Not applicable. It is an infrastructure development project that includes the construction of roads, storm water drainage systems, street lighting, water supply systems, development of green spaces, etc.
<u>Database maintenance & audits</u>		
15.	The database record of Environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.	Condition will be complied.
16.	The proponent should maintain Environmental audits to measure and mitigate Environmental concerns.	Condition will be complied.
<u>Biodiversity</u>		
17.	The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.	Condition noted.
18.	The proponent shall adopt sustainability criteria to protect the micro-Environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.	Not applicable. It is an infrastructure development project involving the construction of roads, storm water drains, street lighting, greenbelt development, and related works.
19.	The proponent shall ensure utmost safety for the existing biodiversity, trees, flora & fauna and the critically endangered species & endangered species shall not disturb under any circumstances.	Condition noted.
20.	The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest	Condition noted.

	population thereby not losing beneficial organisms.	
21.	The proponent shall adopt strategies to prevent birds getting hit by the high buildings.	Not applicable. It is an infrastructure development project involving the construction of roads, storm water drains, street lighting, greenbelt development, and related works.
<u>Safety measures</u>		
22.	The proponent should develop an emergency response plan & safety evacuation plan (including disabled people) in addition to the disaster management plan.	Condition noted. All member units will have their own onsite emergency Plan
23.	All bio-safety standards, hygienic standards and safety norms of working staff to be strictly followed as stipulated in EIA/EMP.	Condition will be complied.
24.	The disaster management/disaster mitigation standards& fire safety standards as prescribed by competent authorities.	Condition will be complied.
25.	The proponent shall provide the emergency exit in the buildings.	Condition noted. All the member units shall comply with
<u>Water/Sewage</u>		
26.	The proponent shall ensure that no untreated sewage is let outside the project site under any circumstances. Further, the treated water shall not be disposed off through any other means other than the permitted mode of disposal.	SIPCOT has not proposed any STP/ETP. Individual industries will be mandated to provide STP/ETP as per requirements and also mandated to follow ZLD based treatment system. Treated Sewage will be used for green belt and Treated effluent will be reused in the process/utilities within their premises in compliance with TNPCB norms and permitted disposal methods.
27.	The proponent shall provide STP of adequate capacity as committed and shall continuously & efficiently operate STP so as to satisfy the treated sewage discharge standards prescribed by the TNPCB time to time.	SIPCOT has not proposed STP within the industrial park. Instead, individual industries are responsible for providing STPs of adequate capacity

		and operating within their respective premises as prescribed by the TNPCB.
28.	The proponent shall periodically test the treated sewage through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB & RO of MoEF&CC.	SIPCOT has not proposed a common STP within the industrial park. Individual industries will be instructed to comply with.
29.	The proponent shall ensure that provision should be given for proper utilization of recycled water.	SIPCOT has not proposed STP within the industrial park. Instead, individual industries are responsible for providing STPs of adequate capacity and operating within their respective premises as prescribed by the TNPCB.
30.	The project proponent shall adhere to storm water management plan as committed.	Condition will be complied.
<u>Parking</u>		
31.	The project proponent shall provide sufficient parking space for the visitors and sufficient space shall be made inside the project area for free turn of vehicles, so as to avoid traffic congestion inside the premises. Separate In-gate and out gate shall be provided for the vehicular movement.	Condition will be complied. SIPCOT will develop a designated truck parking facility within the industrial park. In addition, individual industries will be instructed to provide adequate parking spaces within their premises to accommodate visitors.
<u>Solid waste Management</u>		
32.	The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time.	Condition noted. SIPCOT will provide 2 acres of land for establishment Solid waste management sheds for recovery and recycling facility. Additionally, individual industries will segregate organic and inorganic waste within their premises and dispose of them in compliance with the SWM Rules and regulations.
33.	The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.	Condition noted.

<u>EMP</u>		
34.	The proponent shall strictly adhere to the EIA/EMP report.	Condition noted.
35.	The proponent shall ensure that the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.	Condition will be complied. We SIPCOT will ensure that the green belt plan is implemented as indicated in EMP.
<u>Others</u>		
36.	As per the 'Polluter Pay Principle', the proponent will be held responsible for any Environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.	Condition noted.
37.	The project proponent shall adhere to height of the buildings as committed.	Not applicable. It is an infrastructure development project involving the construction of roads, storm water drains, street lighting, greenbelt development, and related works. Individual industries will be instructed to comply with.

Standard EC Conditions for (Townships/ Area Development Projects / Rehabilitation Centres)

1. Statutory Compliance		
1.1	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	Condition noted. Construction will be done in accordance with the layout approval obtained from the town planning authority.
1.2	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.	Condition noted. All the member units will be mandated to follow applicable rules and guidelines.

1.3	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.	There is no diversion of forest land involved in this project.
1.4	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	Condition noted. The project is not located within Eco Sensitive Zone of any protected area. So, NBWL is not applicable for this project.
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Condition will be complied.
1.6	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.	Condition complied. Water supply request letter from TWAD board is enclosed as Annexure -2
1.7	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Condition noted.
1.8	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	Condition noted. All the member units shall comply with.
1.9	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed	Condition noted. All the member units will be mandated to follow all the waste management rules and guidelines.
1.10	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	Condition Noted.

2. Air Quality Monitoring And Preservation

2.1	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	Condition noted. All the member units will be mandated to comply with.
2.2	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	Condition noted. Ambient Air Quality monitoring report is enclosed as Annexure-
2.3	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.	Condition is being complied. AAQ is being monitored covering upwind and downwind directions AAQ monitoring report is enclosed as Annexure-4
2.4	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Not applicable. SIPCOT has not proposed any DG set. Individual industries will comply with.
2.5	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at	Condition noted. All the member units will comply with.

	the site as well as taking out debris from the site.	
2.6	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	Condition will be complied.
2.7	Wet jet shall be provided for grinding and stone cutting.	Condition will be complied.
2.8	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Condition will be complied.
2.9	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.	Condition noted. All the member units will be mandated to follow applicable rules and guidelines.
2.10	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	Not applicable. SIPCOT have not proposed any DG Set. Individual units will comply with.
2.11	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	Not applicable. SIPCOT have not proposed any DG Set. Individual units will comply with.
2.12	For indoor air quality the ventilation provisions as per National Building Code of India.	Condition noted.
<u>3. Water Quality Monitoring and Preservation</u>		
3.1	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site,	Condition noted. Waterbodies will be maintained as it is where is condition.

	on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.	
3.2	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Condition noted.
3.3	Total freshwater use shall not exceed the proposed requirement as provided in the project details.	Condition noted. Fresh water will be sourced from Tamil Nadu Water Supply and Drainage Board (TWAD). Water supply request letter is enclosed as Annexure – 2.
3.4	The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	Condition noted. The Industrial Park is in pre-construction phase.
3.5	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available.	Condition noted. Water supply request letter is enclosed as Annexure-2.
3.6	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	Not applicable.
3.7	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	Condition noted. All member units will comply with.

3.8	Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.	Condition noted. All member units will comply with.
3.9	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.	Condition noted. All member units will comply with.
3.10	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Condition noted. All member units will comply with.
3.11	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.	Condition noted.
3.12	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.	Condition noted. All member units will comply with.
3.13	All recharge should be limited to shallow aquifer.	Condition noted.
3.14	No ground water shall be used during construction phase of the project.	Condition noted.

3.15	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA/SGWA in the matter. Formal approval shall be taken from the CGWA/SGWA for any ground water abstraction or dewatering.	Condition noted. No permission for extraction of groundwater is being carried out within the SIPCOT premises.
3.16	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	Condition noted. The Industrial Park is in pre-construction phase.
3.17	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.	Condition noted. All the member industries will be mandated to install STP to reuse the treated sewage for green belt development within their premises as per norms.
3.18	No sewage or untreated effluent water would be discharged through storm water drains.	Condition noted. All the member industries will be mandated to adopt STP to reuse the treated sewage for green belt development / Zero Liquid Discharge system.
3.19	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	Condition noted. SIPCOT has not proposed any STP. All the member industries will be mandated to provide STP to reuse the treated sewage for green belt development.

3.20	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Condition noted. SIPCOT has not proposed any STP. All the member units will be mandated to comply with.
3.21	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.	Condition noted. SIPCOT has not proposed any STP. All the member units will be mandated to comply with.
<u>4. Noise Monitoring And Prevention</u>		
4.1	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.	Condition is being complied. Ambient air and noise level being monitored periodically. Air and Noise quality monitoring report is enclosed as Annexure – 4.
4.2	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Condition is being complied. Noise level survey Being carried as per the prescribed guidelines and the submitted to Regional Officer of the Ministry as a part of six-monthly compliance report. Noise quality monitoring report is enclosed as Annexure –4.
4.3	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
<u>5. Energy Conservation Measures</u>		
5.1	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy	Condition noted. All member units shall comply with.

	Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.	
5.2	Outdoor and common area lighting shall be LED.	Condition noted. All member units shall comply with.
5.3	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	Condition noted. All member units shall comply with.
5.4	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	Condition noted. All member units shall comply with.
<u>6. Waste Management</u>		
6.1	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	Condition noted. The Industrial Park is in construction phase.
6.2	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Condition noted. All member units will comply with.
6.3	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.	Condition noted. All member units will comply with.
6.4	Organic waste compost/Vermiculture pit/Organic Waste Converter within the	Condition will be complied. Individual industries will segregate

	premises with a minimum capacity of 0.3 kg/person/day must be installed.	the waste and the Organic wastes will be composted in OWC and manure will be used for greenbelt development.
6.5	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	Condition noted. All member units will comply with.
6.6	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Condition noted. All member units will be mandated to follow applicable rules and guidelines.
6.7	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.	Condition noted. All member units will comply with.
6.8	Fly ash 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 25th January, 2016. Ready mixed concrete must be used in building construction.	Condition noted. All member units will be mandated to follow applicable rules and guidelines.
6.9	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	Condition noted. All member units will be mandated to follow applicable rules and guidelines.
6.10	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.	Condition noted. All member units will comply with.
<u>7. Green Cover</u>		
7.1	No tree can be felled/transplant unless exigencies demand. Where absolutely	Condition noted.

	necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).	
7.2	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.	Condition noted and will be complied.
7.3	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.	Condition noted.
7.4	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	Condition noted and will be complied.
<u>8. Transport</u>		
8.1	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with	Condition noted.

	these basic criteria. a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.	
8.2	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	Condition will be complied.
8.3	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Condition noted.
<u>9. Human Health Issues</u>		
9.1	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	Condition noted. All member units will comply with.

9.2	For indoor air quality the ventilation provisions as per National Building Code of India.	Condition noted. All member units will comply with.
9.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Condition noted. All member units will comply with.
9.4	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Condition accepted and noted. Local labours will be employed for the project. There will not be any housing for labour.
9.5	Occupational health surveillance of the workers shall be done on a regular basis.	Condition noted will be complied.
9.6	A First Aid Room shall be provided in the project both during construction and operations of the project.	Condition noted will be complied. All member units will have their own Occupational Health Centre. Apart from this SIPCOT propose to provide a First Aid Centre.
<u>10. Miscellaneous</u>		
10.1	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.	Condition is being complied. SIPCOT have advertised in two local newspapers in Tamil and English. News paper advertisement copy is enclosed as Annexure –8.
10.2	ii. environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Condition complied. A copy of the environmental clearance has been submitted to the Heads of local bodies is enclosed as Annexure –7.

10.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Condition noted and will be complied.
10.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Condition noted and will be complied.
10.5	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.	Condition complied. SIPCOT Environmental policy approved by Board of Directors is enclosed as Annexure-9.
10.6	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	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-3.

10.7	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report	Condition noted.
10.8	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Condition will be complied.
10.9	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Condition noted.
10.10	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Condition noted.
10.11	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.	Condition noted.
10.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC)/SEIAA-TN.	Condition noted.

10.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Condition noted.
10.14	The Ministry/SEIAA-TN may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Condition noted.
10.15	The Ministry/SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Condition noted.
10.16	The Regional Office of this Ministry 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.
10.17	The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India /High Courts and any other Court of Law relating to the subject matter.	Condition noted.
10.18	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Condition noted. There is no appeal against this Environmental Clearance.

SEAC Standard conditions

Standard Environmental Clearance Conditions for Construction Projects - SEAC

1.	The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed, if applicable.	Condition will be complied.
2.	Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).	Condition noted.
3.	The proponent should provide sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.	Condition noted & will be complied.
4.	The project proponent should develop green belt as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.	Condition will be complied. Greenbelt will be developed as per the layout plan. All the member units will follow the same.
5.	The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.	Condition noted.

STANDARD CONDITIONS

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.	Condition noted. There is no any appeal against this environmental clearance.
2.	The construction of STP, ETP, 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.	Condition Noted. All member units will comply with.

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.	Condition Noted.
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. All the member industries will be instructed to obtain all necessary statutory clearances and approvals.
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 noted.
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	Condition will be complied.

	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.	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 will be complied. EC has been issued as per O.M i.e considering comments / recommendations from TNPCB . Hence, CTE is not applicable. CTO will be obtained during operation stage.
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. There is no change in the scope of the project.
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 Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.	Condition will be complied.
12.	The Environmental Clearance shall not be cited for relathe 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. SIPCOT shall comply with all applicable conditions specified in the EC.
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, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.	Condition will be complied. We will upload the status of compliance along with monitoring data on our website and will update the same periodically. Air pollutant indicated for the project are monitored 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.	Condition noted. All the member units instructed to shall obtain all necessary statutory clearances and approvals.
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 –3.
21.	The EMP cost 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 will be complied.
22.	The Project Proponent has to provide adequate rain water harvesting pits as committed to recover and reuse the rain water during normal rains as reported.	Condition noted.
23.	The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition noted.
24.	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 noted. The waterbodies will be maintained as where is condition without any deterioration in their quality of water.

25.	All the assessed flora & fauna should be conserved and protected.	Condition noted.
26.	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.	Condition noted. All the member units will be mandated to follow all applicable rules and guidelines.
27.	Necessary permission shall be obtained from the competent authority for the drawl /outsourcing of fresh water before obtaining consent from TNPCB.	Condition complied. Water supply request letter is enclosed as Annexure -2.
28.	The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)	Not Applicable. SIPCOT has not proposed STP. All member units will comply with.
29.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.	Condition noted. All member units will comply with.
30.	All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	Condition noted.
31.	No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.	Condition noted.
32.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided	Condition noted.
33.	The safety measures proposed in the report should be strictly followed.	Condition noted.

Part - B-Specific Conditions - Pre construction phase:

1.	The project authorities should advertise with basic details at least in two local newspapers	Condition Complied. SIPCOT have advertised in two local newspapers in
----	--	--

	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.	Tamil and English. Newspaper advertisement copy is enclosed as Annexure-8.
2.	In the case of any change(s) in the scope of the project, a appraisal by the SEAC/SEIAA shall be obtained before implementation.	Condition noted. There is no change in the scope of the project.
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 from local bodies and government office for submission of clearance letter is enclosed as Annexure –7.
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.	Not applicable. It is an infrastructure development project involving the construction of roads, storm water drains, street lighting, greenbelt development, and related works.
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.
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.	Condition will be complied. All the member units will comply with.
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.	STP is not proposed by SIPCOT. Individual industries will be instructed to have their own STP as per their requirement and to reuse the treated wastewater as per norms.
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.	Not applicable. Proposed site does not fall under Coastal Regulation Zone Notification.
11.	The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.	Not applicable. It is an infrastructure development project involving the construction of roads, storm water drains, street lighting, greenbelt development, and related works.
12.	The project proponent shall ensure the entry of basement shall be above maximum flood level.	Condition noted.
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 owners	Condition applicable 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 member units will have their own Occupational Health Centre as per norms. Apart

		from this SIPCOT propose to provide a First Aid Centre.
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.	Condition noted. Green belt area will 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.	Condition noted.
18.	During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.	All necessary measures will be implemented during both the construction and operation phases to ensure that there is no disturbance to the aquatic ecosystem within or outside the project area. Proper environmental management practices will be followed, and all activities will be carried out in compliance with the applicable environmental norms and guidelines.
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. All member units will have their own firefighting plan.
21.	Regular fire drills should be held to create awareness among owners/ residents.	Condition noted. All member units will conduct regular fire drills.

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 SEIAA-TN.	Condition will be complied. All the member units will comply with.
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 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 comply with.
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.	Condition will be complied. All the member units will comply with.

3. Water Supply:

i)	The entire water requirement during construction phase may be met from private tankers	Condition will be complied.
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.	Condition noted. Local labours will be employed for the project. There will not be any housing for labour. All the member units will comply with.
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	Condition noted. All the member units will comply with.

	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.	Condition noted. All the member units will comply with.
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 will comply with.
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.	Condition noted. 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)	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.	Condition noted. All member units will be mandated to follow all applicable rules and guidelines.
iii)	Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.	Condition noted. All member units will be mandated 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 noted.
v)	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.	Condition noted. All member units will be mandated 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	Condition will be complied. Top soil excavated during construction

	horticulture/ landscape development within the project site.	activities will be used for greenbelt development.
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.	Condition noted. All member units will be mandated 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.
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.	Condition noted. SIPCOT have not proposed any DG set. Air and noise monitoring report is enclosed as Annexure- 4.
ii)	The diesel required for operating stand by DG sets shall be stored in barrels fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.	Condition noted. SIPCOT have not proposed any DG set. All the member units will comply with.
iii)	The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.	Condition noted. The acoustic enclosures will be installed at all noise generating equipment's. Noise quality monitoring report is enclosed as Annexure – 4.
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 Complied. Environmental quality monitoring report is enclosed 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 CMDA norms. The traffic department shall be consulted and any cost-effective traffic regulative facility shall be met before commissioning.	Condition will be complied. SIPCOT will develop a designated truck parking facility within the industrial park. In addition, individual industries will provide adequate parking spaces within their premises to accommodate visitors.
iv)	The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.	Condition noted. All the member units will comply with.
v)	The project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.	Condition noted. All the member units will comply with.
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	Condition will be complied. All the member units will comply with.

	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.	Condition will be complied. All the member units will comply with.
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.	Condition will be complied. All the member units will 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 will be complied. Storm water will be provided all along the internal road. All the member industries will follow the same.
ii)	Storm water management plan shall be obtained by engaging the services of obtained Anna University कति	Condition will be complied.
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.	Condition noted. All the member units will comply with.
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.	Condition noted. All the member units will comply with.
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.	Condition noted. All the member units will comply with.
iv)	Application of solar energy should be incorporated for illumination of common e-	Condition will be complied.. All the member units will comply with.

	Payment's 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.	Condition noted. All the member units will comply with.
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 will be complied.. All the member units will comply with.
12. Fire Safety:		
i)	Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.	Condition noted. All member units will have their own firefighting plan.
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.	Condition will be complied.. All member units will comply with.
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 will be complied.
ii)	The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.	Condition will be complied.
iii)	The proponent shall develop the green belt as per the plan furnished and area earmarked for	Condition will be complied.

	the greenbelt shall not be alter at any point of time for any other purpose.	Greenbelt will be developed as per the layout plan.
14. Sewage Treatment Plant		
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 ned for operation. Explore the less power consuming systems viz for the treatment of sewage. baffle reactor, etc., for	Condition Noted. SIPCOT has not proposed a common Sewage Treatment Plant (STP) for the industrial park. Each individual industry is responsible for establishing its own STP.
ii)	The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.	Condition Noted. SIPCOT has not proposed a common Sewage Treatment Plant (STP) for the industrial park. Each individual industry is responsible for establishing its own STP.
iii)	The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.	Condition Noted. SIPCOT has not proposed a common Sewage Treatment Plant (STP) for the industrial park. Each individual industry is responsible for establishing its own STP.
iv)	The project proponent shall continuously operate and maintain the Sewage treatment plant and Effluent treatment plant to achieve the standards prescribed by the CPCB.	Condition Noted. SIPCOT has not proposed a common Sewage Treatment Plant (STP) for the industrial park. Each individual industry is responsible for establishing its own STP.
v)	The project proponent has to ensure the complete recycling of treated Sewage &Effluent water after achieving the standards prescribed by the CPCB.	Condition Noted. SIPCOT has not proposed a common Sewage Treatment Plant (STP) for the industrial park. Each individual industry is responsible for establishing its own STP.
vi)	The project proponent has to provide separate standby D.G set for the STP/GWTP for the	Condition Noted.

	continuous operation of the STP/GWTP in case of power failure.	SIPCOT has not proposed a common Sewage Treatment Plant (STP) for the industrial park. Each individual industry is responsible for establishing its own STP.
15. Rain Water Harvesting:		
i)	The proponent 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.	Condition Noted.
ii)	Rainwater 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.	Condition Noted. All the member units shall comply with.
iii)	The Project Proponent has to provide adequate rain water harvesting pits as committed to recover and reuse the rain water during normal rains as reported.	Condition Noted.
iv)	The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition Noted.
16. Building Safety:		
i)	Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.	Not applicable. No high rise buildings has been proposed by SIPCOT.

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

Not Applicable – Since the project is under Pre-construction phase.

5.0 ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit Six Monthly Compliance Report (Half Yearly Compliance) to MoEF&CC Regional Office by the proponent. For the purpose of submitting Six-Monthly Compliance report, environmental monitoring was carried out at site by M/s Lotus Enviro Systems Pvt Ltd, an NABL accredited laboratory during the period of **October 2025 to March 2026**.

5.1 Ambient Air Quality monitoring

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 bore well 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**

6.0 CONCLUSION

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



File No: 12844
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), TAMIL NADU)



Date 27/11/2025



To,

The Managing Director
M/s. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED
19-A, Rukmani Lakshmipathy Road, Egmore, Chennai - 600008. TAMIL NADU.
md@sipcot.in

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

Sub: SEIAA, TN - Proposed Development of Industrial Park at Vanchinagaram Village SF.Nos. 178/10B, 178/11, 178/2A2B, 178/2A3, 178/2A5, 178/9A, 178/9C & 178/2A6 Kodukkampatti Village SF.Nos. 169/3A, 169/3B, 169/3C, 167/7, 167/8, 167/9, 167/10, 167/11, 167/12A2, 167/12B & 167/13B Boothamangalam Villages SF.Nos 1/1A, 1/1C, 1/1E, 1/3A & 1/3C Melur Taluk, Madurai District Tamil Nadu by M/s. State Industries Promotion Corporation of Tamil Nadu limited – under Category “B1” and Schedule S.No. 8(b) “Area & Township Development Projects”– Issue of Environmental Clearance – Regarding.

Ref: 1. Tor issued vide TOR Identification No. TO25B3813TN5917544N dated: 14/07/2025.
2. Online Proposal No SIA/TN/INFRA2/554290/2025, dt: 08.10.2025
3. Minutes of the 644th meeting of SEAC-II held on 20.11.2025.
4. Minutes of the 922nd Authority meeting held on 25.11.2025.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25B3813TN5695233N
(ii) File No.	12844
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	8(b) Townships/ Area Development Projects / Rehabilitation Centres DEVELOPMENT OF INDUSTRIAL PARK AT VANCHINAGARAM, KODUKKAMPATTI AND BOOTHAMANGALAM VILLAGES OF MELUR TALUK, MADURAI DISTRICT” OVER AN
(vii) Name of Project	

(viii) Name of Company/Organization	EXTENT OF 112.655 Ha. (278.26 Acres) STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED
(ix) Location of Project (District, State)	MADURAI, TAMIL NADU
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

1.In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1 (Part A, B, C) EIA/EMP report were submitted to the SEIAA-TN for an appraisal by the SEAC under the provision of EIA notification 2006 and its subsequent amendments.

2.The above-mentioned proposal has been considered by SEIAA in the meeting held on 25.11.2025. The minutes of the meeting and all the documents submitted are available on PARIVESH portal which can be accessed by scanning the QR Code above.

3.The SEAC, based on the information viz: Form-1 (Part A, B, C) EIA/EMP report etc., & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, recommended the by the SEAC for grant of Environment Clearance under the provision of EIA Notification,2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.

4.The SEIAA, has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Expert Appraisal Committee hereby accords Environment Clearance to the instant proposal of **M/s. State Industries Promotion Corporation of Tamil Nadu Limited** under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)

5. The Ministry/SEIAA-TN reserves the right to stipulate additional conditions, if found necessary. The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

6.The Project Proponent is under obligation to implement commitments made in the Environment Management Plan which forms part of this EC.

7.The PP is under obligation to implement commitments made in the Environment Management Plan, which form part of this EC. Validity of EC is for a period of 7 years from the date of issue of EC. In case the project proponent fails to complete the construction/proposed activities within the EC validity date, application for EC validity extension shall be submitted to the regulatory authority as per the provision contained in the Para 9.0 of EIA notification, 2006 and its amendment

8.Salient features of the proposal are as follows:

PROJECT SUMMARY			
S. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	278.26 acres (112.655 Ha)	Acres (Ha)
2	Proposed Built Up Area of Industrial Housing unit	Nil	SQMT
3	Total no of Saleable DU's/Villas	Not applicable Total developable area is 112.635 Ha (278.21 Acres) which includes industrial plots (11 plots), Common Amenities, Commercial activities, Greenbelt, Road, Storm Water Drain, OSR, Solid Waste Management and such other infrastructure	No.

		facilities	
4	Max Height – (Height of tallest block)	18.3	M
5	No of Building Blocks (Residential + Community facilities)	Based on Individual Units	No.
6	Max No of Floors	Based on Individual Units	No.
7	Expected Population	Construction phase - 100 Nos. Operation phase – 3790 Nos	No.
8	Total Cost of Project	INR 67.08	CR
9	Project Activity	“Development of Industrial Park at Vanchinagaram, Kodukkampatti and Boothamangalam Villages of Melur Taluk, Madurai District” over an Extent of 112.655 Ha. (278.26 Acres) for accommodating Non – EC Category Industries.	
AREAS			
10	Permissible Ground Coverage Area (xx%)	-	SQMT
11	Proposed Ground Coverage Area (xx%)	-	SQMT
12	Permissible FSI Area (xxx)	-	
13	Proposed FSI Area	-	
14	Other Non FSI Areas - including basement area etc.	-	
15	Proposed Total Built Up Area	>1,50,000	SQMT
WATER			
16	Total Water Requirement	2362	KLD
17	Fresh water requirement	1546	KLD
18	Treated Water Requirement	816	KLD
19	Wastewater Generation	818 (Sewage-161 & Effluent-657)	KLD
20	Proposed Capacity of STP & ETP	Will be treated by individual units	KLD
21	Treated Water Available for Reuse	816	KLD
22	Treated Water Recycled		KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	Nil	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	297 Nos	No.
25	Rainwater Harvesting Sump Capacity	-	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	Will be provided by Individual unit within the plot as per norms	ECS

26	Proposed Total Parking		ECS
27	Parking in Basements	Nil	
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	Overall GB- 100.10 acres (40.525 Ha)	Acres (Ha)
	Total area	Total area: 112.655 Ha (278.26 acres) Total developable area is 112.635 Ha (278.21 Acres)	Acres (Ha)
	Existing trees on plot	1541	Nos
	Number of trees to be planted	60788 (include) compensatory trees	Nos
	Number of trees to be transplanted/cut	140	Nos
SOLID WASTE MANAGEMENT			
29	Total Solid Waste Generation	1.706	TPD
30	Organic waste	0.682	TPD
31	Mode of Treatment & Disposal	For Industrial Park: Individual industries will segregate the waste and organic wastes will be composted and used as manure for green belt development. Inorganic waste will be sold to TNPCB authorized recyclers/local vendors by individual industries.	TPD
32	Quantity of Sludge Generated from STP & Disposal	Will be done by Individual unit as per Norms	KG/DAY
33	Quantity of E-Waste Generation & Disposal	E – Waste generated will be disposed through TNPCB Authorized E-waste vendor by Individual units as per E-Waste (Management) Rules 2022.	KG/DAY
34	Quantity of Hazardous waste Generation & Disposal	Individual Industries will be mandated to handle the hazardous waste and dispose as per Hazardous & other waste (management & transboundary movement) Rules 2016. Hazardous waste generated will be sent to nearby TSDF by individual industries. However, SIPCOT will monitor and ensure strict compliance on continuous basis.	LPD
POWER / GREEN POWER			
34	Total Power Requirement	12	MVA
35	DG set backup	Individual industries will have their own power back up:	KVA
36	No of DG Sets	SIPCOT will not propose any power back up for other common facilities.	No.
37	Solar Panels – Roof Coverage	Total power required for the IP (excluding industrial plot & Commercial area) is 2.64 MVA. Total Solar power capacity envisaged is 0.679 MVA i.e. ~25.70% of the total power required for SIPCOT facilities will be sourced from solar.	%
38	Hot Water Requirement	-	-

	Of which met by Solar Panels	-	-
POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION
Total Saleable Du's			
Total	-	-	-
Non-Residential			
CLUB house (Employees etc.)	Area		
Industrial Employees	3790 Nos	-	3790 Nos
Commercial	-	-	-
Facility Management Staff	-	-	-
Total	3790 Nos	-	3790 Nos
Visitors	-	-	-
Residential	-	-	-
Club/Community Hall	-	-	-
Commercial	-	-	-
Total Visitors	-	-	-
Total Population	3790 Nos	-	3790 Nos
EMP Cost	S.no	Project Components	Capital Cost (INR Crores)
	1	Solid Waste Management Facility	2.0
	2	Greenbelt development	0.3
	3	Rain water harvesting pits and Storm water drains	8.2
	4	Solar power	1.8
	5	Environmental Monitoring during Construction Phase and Operation Phase	0
		Total EMP Cost	12.30
CER Cost			Recurring Cost (INR.Lakhs)
Details of CER Activities		The CER funds may be utilized for 'Enhancing Water Use Efficiency in Rural Madurai through Smart Infrastructure', after obtaining due consultation and concurrence from the District Collector, Madurai = Rs. 150 Lakhs	

9.General Instructions:

- (i)The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of SEIAA website where it is displayed.
- (ii)The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
- (iii)The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.

(iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(v) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

The Regional Office of this SEIAA 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.

(vi) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

10. This issue with an approval of the Competent Authority. For information on deliberations, refer to the minutes of SEAC and SEIAA available in the PARIVESH Portal.

Copy To

1. The Secretary, Ministry of Environment Forest & Climate Change, Government of India, Shastri Bhawan, New Delhi.
2. The Additional Chief Secretary to Government, Environment and Forests Department, Tamil Nadu.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
4. The Chairperson, TNPC Board, 76, Mount Salai, Guindy, Chennai-32
5. EI Division, Ministry of Environment & Forests, Paryavaran Bhawan, New Delhi.
6. Integrated Regional Office of MoEF&CC, Sasthri Bhawan, Chennai.
7. File Copy.

Annexure 1

Specific EC Conditions for (Townships/ Area Development Projects / Rehabilitation Centres)

1. Seac Conditions - Site Specific

S. No	EC Conditions
1.1	<u>TNPCB Recommendations vide Lr.no T4/TNPCB/F.01/RL/MDU/2025 Dt:17.11.2025:</u> 1. The Project Proponent shall start the establishment activities only after getting the necessary project/building approvals from the competent authorities. 2. The Industrial Park shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies if any within the proposed site in concurrence with the competent authority. 3. The Project Proponent shall obtain necessary NOC from Competent Authority for the canals/ ponds/ temples if located within the project site as applicable. 4. The Project Proponent shall obtain the necessary permission from the TWAD Board for supply of fresh water for the industrial park. 5. The Project Proponent shall obtain the land use classification as industrial use zone. 6. The Project Proponent shall provide Septic tank followed by soak pit arrangements to treat and dispose the sewage generated from the SIPCOT Administrative buildings. 7. The Project Proponent shall ensure that the individual industries shall obtain prior Consent of the Board under Water (P&CP) Act, 1974 and Air (P&CP) Act, 1981 as amended.

S. No	EC Conditions
	8. The Project Proponent shall ensure that the individual industries shall provide Sewage Treatment Plant to treat the sewage generated from the respective industries, so as to satisfy the standards prescribed by the Board and utilize the treated sewage for gardening within the project site. 9. The Project Proponent shall ensure that the individual industries shall provide Effluent Treatment Plant (ETP) with ZLD system to treat the trade effluent generated from the respective industries, in order to achieve ZLD as committed. 10. The Project Proponent shall ensure that no discharge of treated/untreated wastewater by the individual industries outside the premises into any land /water bodies through any means of conveyance at any point of time. 11. The Project Proponent shall ensure that the Solid wastes / Plastic wastes shall be handled in accordance with Solid Waste Management Rules, 2016 and Plastic Waste Management Rules, 2016 as amended. 12. As per the Solid waste management Rules, 2016, the Special Economic Zone/ Industrial Estate/ Industrial Park shall earmark at least five percent of the total area of the plot or minimum five plots or sheds for recovery and recycling facility. Hence, the Project Proponent shall ensure to comply the same. 13. The Project Proponent shall ensure that E-wastes shall be handled in accordance with E-waste Management Rules, 2022 as amended. 14. The Project Proponent shall ensure that Construction wastes shall be handled in accordance with Construction & Demolition Waste Management Rules, 2016 as amended. 15. The Project Proponent shall ensure that the individual industries shall provide adequate Air pollution control measures so as to satisfy the Ambient Air Quality / Emission / Ambient Noise Level standards prescribed by the Board. 16. The Project Proponent shall undertake all safety precautions and adequate dust control measures such as wind net to control dust emission during construction phase. 17. The Project Proponent shall maintain a buffer zone of 5 meters all along the periphery of the industrial park and utilize the buffer zone for the development of green belt. 18. The Project Proponent shall explore the possibilities of utilizing solar energy for the industrial park. 19. The Project Proponent shall develop adequate greenbelt within the industrial park as proposed. 20. The Project Proponent shall submit baseline data of ground water quality for the radius of 10 KM of the project area. 21. The Industrial Park shall monitor the ground water in and around the unit premises once in six months, so as to assess its quality and submit the same to the Board. 22. The Project Proponent shall ensure that the individual industries provide rain water harvesting system within the premises so as to recharge the ground water. 23. The Project Proponent shall provide adequate storm water. drain to channelize the excess rainwater runoff in and around the premises and ensure that there will not be any water logging in and around the industrial park. 24. The Project Proponent shall not use single use plastics banned by Government of Tamil Nadu vide G.O.(Ms) No.84 Environment and Forests (EC.2) Department dated: 25.06.2018 and by Government of India vide MoEF & CC Notification No.G.S. R571(E) dated: 12.08.2021. <u>Major Conditions:</u> 1. The Project Proponent (PP) shall ensure the industrial park does not accommodate any Category A or B industries as per the EIA notification 2006, as amended. 2. The PP shall maintain the green belt as per the Office Memorandum dated 29.10.2025. 3. The PP shall obtain valid consent from TNPCB as per the O.M dated 08.10.2025. 4. The PP shall duly comply the recommendation issued by TNPCB vide Lr.no T4/TNPCB/F.01/RL/MDU/2025 Dt:17.11.2025 as mentioned above. <u>Site specific conditions:</u> 1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.

S. No	EC Conditions
	2. The PP shall install ETP & STP as committed in the EMP and shall ensure that the treatment efficiency meets CPCB standards. 3. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water should not to be discharged outside the premises without the permission of the concerned authority. 4. As agreed by the project proponent, the CER cost is Rs.150 Lakhs and the amount shall be spent for the Enhancing Water Use Efficiency in Rural Madurai through Smart Infrastructure project as committed within a period of 1 year from the date of issue of EC.

2. Seiaa Specific Conditions :

S. No	EC Conditions
2.1	i) As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the Environmental conditions prescribed in the prior Environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. A copy of the half yearly compliance report should be mailed to envcompseiatn@gmail.com. ii) The plantation of saplings shall be carried out in the earmarked greenbelt area as a part of the tree plantation campaign “Ek Ped Ma Ke Naam” and the details of the same shall be uploaded in the MeriLiFE Portal (https://merilife.nic.in). iii) As committed by PP, the existing village road passing through the proposed industrial park should be maintained as such. The PP shall neither restrict access to this village road and the road will continue to remain accessible for public use.

3. Seiaa Standard Conditions:

S. No	EC Conditions
3.1	<u>Climate Change</u> 1. The proponent shall adopt strategies to decarbonize the building, reduce carbon footprints and develop strategies for climate proofing and mitigation. 2. The proponent shall adopt strategies to reduce carbon & GHG emissions during operation (operational phase and building materials). 3. The proponent shall adopt methodology to control thermal Environment and other shocks in the building. 4. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands. 5. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues. 6. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco-friendly and support sustainable management of the natural resources within and outside the campus premises. 7. The proponent shall ensure that the buildings does not cause any damage to water Environment, air quality and should be carbon neutral building. <u>Health</u> 8. The proponent shall adopt strategies to maintain the health of the inhabitants within and in the vicinity. <u>Energy</u>

S. No	EC Conditions
	9. The proponent shall adopt strategies to reduce electricity demand and consumption. 10. The proponent shall provide provisions for automated energy efficiency. 11. The proponent shall provide provisions for controlled ventilation and lighting systems. 12. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation. <u>Regulatory Frameworks</u> 13. The proponent shall effectively implement and strictly adhere to the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001. 14. The proponent shall provide elevator as per rules CMDA/DTCP. <u>Database maintenance & audits</u> 15. The database record of Environmental conditions of all the events from pre- construction, construction and post-construction should be maintained in digitized format. 16. The proponent should maintain Environmental audits to measure and mitigate Environmental concerns. <u>Biodiversity</u> 17. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species. 18. The proponent shall adopt sustainability criteria to protect the micro-Environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements. 19. The proponent shall ensure utmost safety for the existing biodiversity, trees, flora & fauna and the critically endangered species & endangered species shall not disturb under any circumstances. 20. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms. 21. The proponent shall adopt strategies to prevent birds getting hit by the high buildings. <u>Safety measures</u> 22. The proponent should develop an emergency response plan & safety evacuation plan (including disabled people) in addition to the disaster management plan. 23. All bio-safety standards, hygienic standards and safety norms of working staff to be strictly followed as stipulated in EIA/EMP. 24. The disaster management/disaster mitigation standards& fire safety standards as prescribed by competent authorities. 25. The proponent shall provide the emergency exit in the buildings. <u>Water/Sewage</u> 26. The proponent shall ensure that no untreated sewage is let outside the project site under any circumstances. Further, the treated water shall not be disposed off through any other means other than the permitted mode of disposal. 27. The proponent shall provide STP of adequate capacity as committed and shall continuously & efficiently operate STP so as to satisfy the treated sewage discharge standards prescribed by the TNPCB time to time. 28. The proponent shall periodically test the treated sewage the through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB & RO of MoEF&CC. 29. The proponent shall ensure that provision should be given for proper utilization of recycled water. 30. The project proponent shall adhere to storm water management plan as committed. <u>Parking</u> 31. The project proponent shall provide sufficient parking space for the visitors and sufficient space shall be made inside the project area for free turn of vehicles, so as to avoid traffic congestion inside the premises. Separate In-gate and out gate shall be provided for the vehicular movement. <u>Solid waste Management</u>

S. No	EC Conditions
	32. The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time. 33. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986. EMP 34. The proponent shall strictly adhere to the EIA/EMP report. 35. The proponent shall ensure that the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns. Others 36. As per the 'Polluter Pay Principle', the proponent will be held responsible for any Environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work. 37. The project proponent shall adhere to height of the buildings as committed.

Standard EC Conditions for (Townships/ Area Development Projects / Rehabilitation Centres)

1. Statutory Compliance

S. No	EC Conditions
1.1	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
1.2	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
1.3	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
1.4	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
1.6	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
1.7	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
1.8	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
1.9	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016,

S. No	EC Conditions
	and the Plastics Waste Management Rules, 2016, shall be followed.
1.10	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2.2	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
2.3	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
2.4	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
2.5	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
2.6	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
2.7	Wet jet shall be provided for grinding and stone cutting.
2.8	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
2.9	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.
2.10	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
2.11	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB

S. No	EC Conditions
	standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
2.12	For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
3.2	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3.3	Total fresh water use shall not exceed the proposed requirement as provided in the project details.
3.4	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
3.5	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available.
3.6	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
3.7	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
3.8	Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
3.9	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
3.10	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
3.11	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge

S. No	EC Conditions
	pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
3.12	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
3.13	All recharge should be limited to shallow aquifer.
3.14	No ground water shall be used during construction phase of the project.
3.15	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA/SGWA in the matter. Formal approval shall be taken from the CGWA/SGWA for any ground water abstraction or dewatering.
3.16	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
3.17	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
3.18	No sewage or untreated effluent water would be discharged through storm water drains.
3.19	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
3.20	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
3.21	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

S. No	EC Conditions
4.2	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
4.3	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures

S. No	EC Conditions
5.1	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
5.2	Outdoor and common area lighting shall be LED.
5.3	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
5.4	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

6. Waste Management

S. No	EC Conditions
6.1	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
6.2	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
6.3	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
6.4	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
6.5	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6.6	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

S. No	EC Conditions
6.7	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
6.8	Fly ash 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 25th January, 2016. Ready mixed concrete must be used in building construction.
6.9	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
6.10	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.

7. Green Cover

S. No	EC Conditions
7.1	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
7.2	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
7.3	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
7.4	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

8. Transport

S. No	EC Conditions
8.1	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.

S. No	EC Conditions
8.2	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
8.3	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues

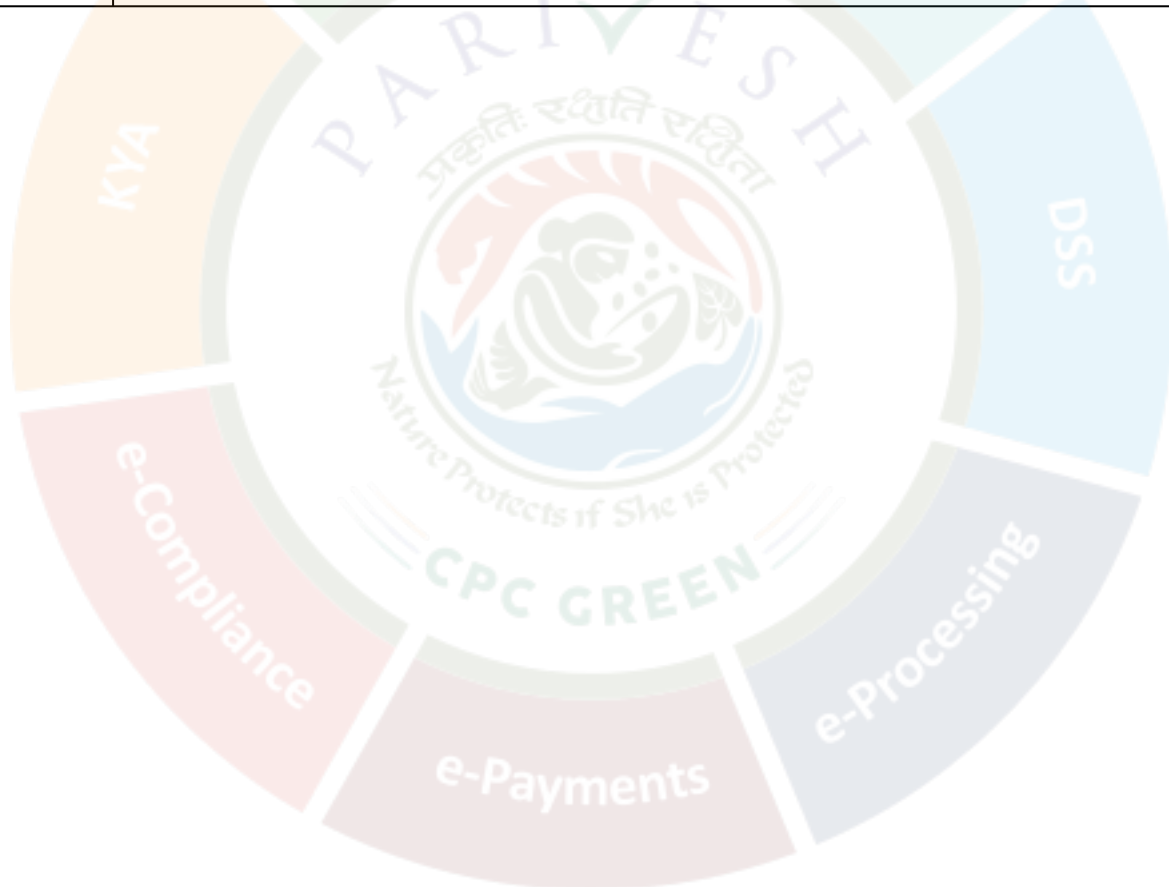
S. No	EC Conditions
9.1	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
9.2	For indoor air quality the ventilation provisions as per National Building Code of India.
9.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
9.4	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
9.5	Occupational health surveillance of the workers shall be done on a regular basis.
9.6	A First Aid Room shall be provided in the project both during construction and operations of the project.

10. Miscellaneous

S. No	EC Conditions
10.1	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
10.2	ii. environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

S. No	EC Conditions
10.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
10.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
10.5	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.
10.6	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
10.7	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report
10.8	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
10.9	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
10.10	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
10.11	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.
10.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC)/SEIAA-TN.
10.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
10.14	The Ministry/SEIAA-TN may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

S. No	EC Conditions
10.15	The Ministry/SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10.16	The Regional Office of this Ministry 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.
10.17	The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
10.18	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



SEAC Standard conditions

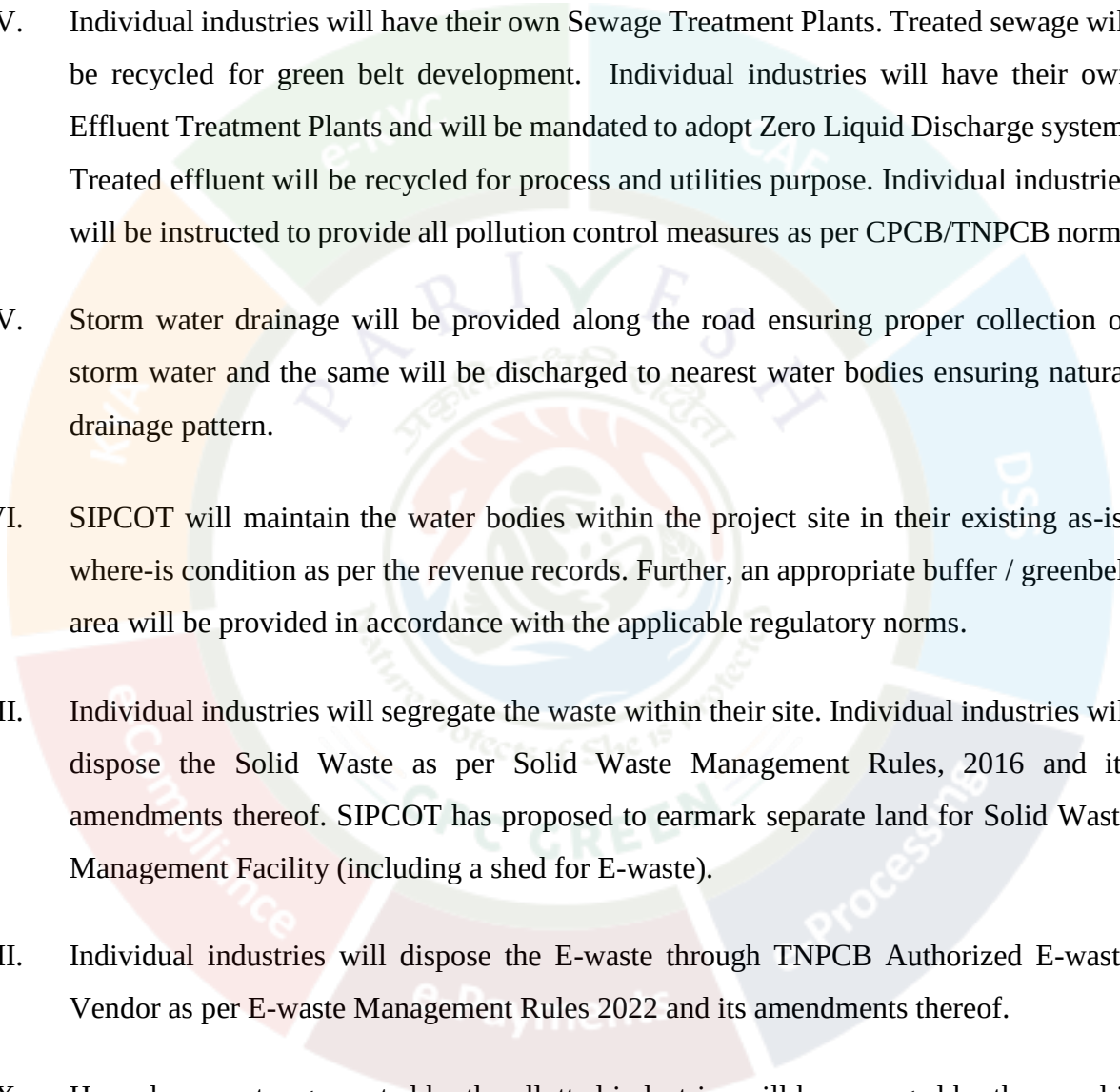
Standard Environmental Clearance Conditions for Construction Projects - SEAC

1. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed, if applicable.
2. Project proponent should ensure that there will be no use of “Single use of Plastic” (SUP).
3. The proponent should provide sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
4. The project proponent should develop green belt as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
5. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.

AFFIDAVIT FURNISHED BY THE PROPONENT

I, Dr. K. Senthil Raj, I.A.S., Managing Director, Authorized Signatory, representing M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) having registered office at 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai – 600008, for the Proposed “Development of Industrial Park at Vanchinagaram, Kodukkampatti and Boothamangalam Villages of Melur Taluk, Madurai District” over an extent of 112.655 Ha. (278.26 Acres) at SF No’s: 178/10B, 178/11, 178/2A2B, 178/2A3, 178/2A5, 178/9A, 178/9C & 178/2A6 of Vanchinagaram Village, SF No’s: 169/3A, 169/3B, 169/3C, 167/7, 167/8, 167/9, 167/10, 167/11, 167/12A2, 167/12B & 167/13B of Kodukkampatti Village and SF No’s: 1/1A, 1/1C, 1/1E, 1/3A & 1/3C of Boothamangalam Village, Melur Taluk, Madurai District, Tamil Nadu, hereby take oath and state as under in this affidavit:

- I. The total water requirement of the park is tentatively estimated at 2362 KLD (Fresh water: 1546 KLD and Recycled water: 816 KLD). Fresh water Requirement of 1546 KLD will be sourced from Tamil Nadu water Supply and Drainage Board (TWAD).

- 
- II. Power Supply (12 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member industries. Individual industries will have their own power back up. SIPCOT will not propose any power back up for other common facilities.
- III. Greenbelt area will be maintained as per the Office Memorandum dated 29.10.2025.
- IV. Individual industries will have their own Sewage Treatment Plants. Treated sewage will be recycled for green belt development. Individual industries will have their own Effluent Treatment Plants and will be mandated to adopt Zero Liquid Discharge system. Treated effluent will be recycled for process and utilities purpose. Individual industries will be instructed to provide all pollution control measures as per CPCB/TNPCB norms
- V. Storm water drainage will be provided along the road ensuring proper collection of storm water and the same will be discharged to nearest water bodies ensuring natural drainage pattern.
- VI. SIPCOT will maintain the water bodies within the project site in their existing as-is-where-is condition as per the revenue records. Further, an appropriate buffer / greenbelt area will be provided in accordance with the applicable regulatory norms.
- VII. Individual industries will segregate the waste within their site. Individual industries will dispose the Solid Waste as per Solid Waste Management Rules, 2016 and its amendments thereof. SIPCOT has proposed to earmark separate land for Solid Waste Management Facility (including a shed for E-waste).
- VIII. Individual industries will dispose the E-waste through TNPCB Authorized E-waste Vendor as per E-waste Management Rules 2022 and its amendments thereof.
- IX. Hazardous wastes generated by the allotted industries will be managed by them and it will be stored in designated areas within their premises and disposed as per Hazardous and Other wastes (Management and Transboundary Movement) Rules 2016 and its amendments thereof.
- X. As per the MoEF&CC Office Memorandum No. 22-65/2017-IA.III, dated 25.02.2021, SIPCOT will allocate Capital Cost of INR 12.30 Crores and Recurring Cost of Rs. 33

Lakhs towards Environment Management Plan (EMP). Further, as per the direction of SEAC, we will spend the amount of INR. 1.50 Crores towards CER for the 'Enhancing Water Use Efficiency in Rural Madurai through Smart Infrastructure', after obtaining due consultation and concurrence from the District Collector, Madurai.

Declaration

I, Dr. K. Senthil Raj, I.A.S., do hereby declare that the statement made by me under para (I) to (X) are true and correct to the best of my knowledge and belief. Nothing is false and nothing is concealed in it.

STANDARD CONDITIONS

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, ETP, 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 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.
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 Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
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.
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 TNPCCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.

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.
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.
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.
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.
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 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 Proponent has to provide adequate rain water harvesting pits as committed to recover and reuse the rain water during normal rains as reported.
23. The project activity should not cause any disturbance & deterioration of the local bio diversity.
24. 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.
25. All the assessed flora & fauna should be conserved and protected.
26. 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.

27. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
28. The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)
29. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
30. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
31. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
33. The safety measures proposed in the report should be strictly followed.

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 firefighting equipments, etc. as per National Building Code including protection measures from lightning etc. before commencement of the work.
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 entry 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 owners
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 Firefighting 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 SEIAA-TN.

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.
- 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.
- 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 private tankers
- 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) 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.
- 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.
- ii) The diesel required for operating stand by DG sets shall be stored in barrels 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 CMDA 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.
- v) The project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.

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.
- 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/IIT.

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:

- 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 proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.
- 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.

14. Sewage Treatment Plant:

- 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 and Effluent 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 and Effluent treatment plant to achieve the standards prescribed by the CPCB.

- v) The project proponent has to ensure the complete recycling of treated Sewage & Effluent water after achieving the standards prescribed by the CPCB.
- vi) The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP in case of power failure.

15. Rain Water Harvesting:

- i) The proponent 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 Proponent has to provide adequate rain water harvesting pits as committed to recover and reuse the rain water during normal rains as reported.
- i) 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 ever is necessary.

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

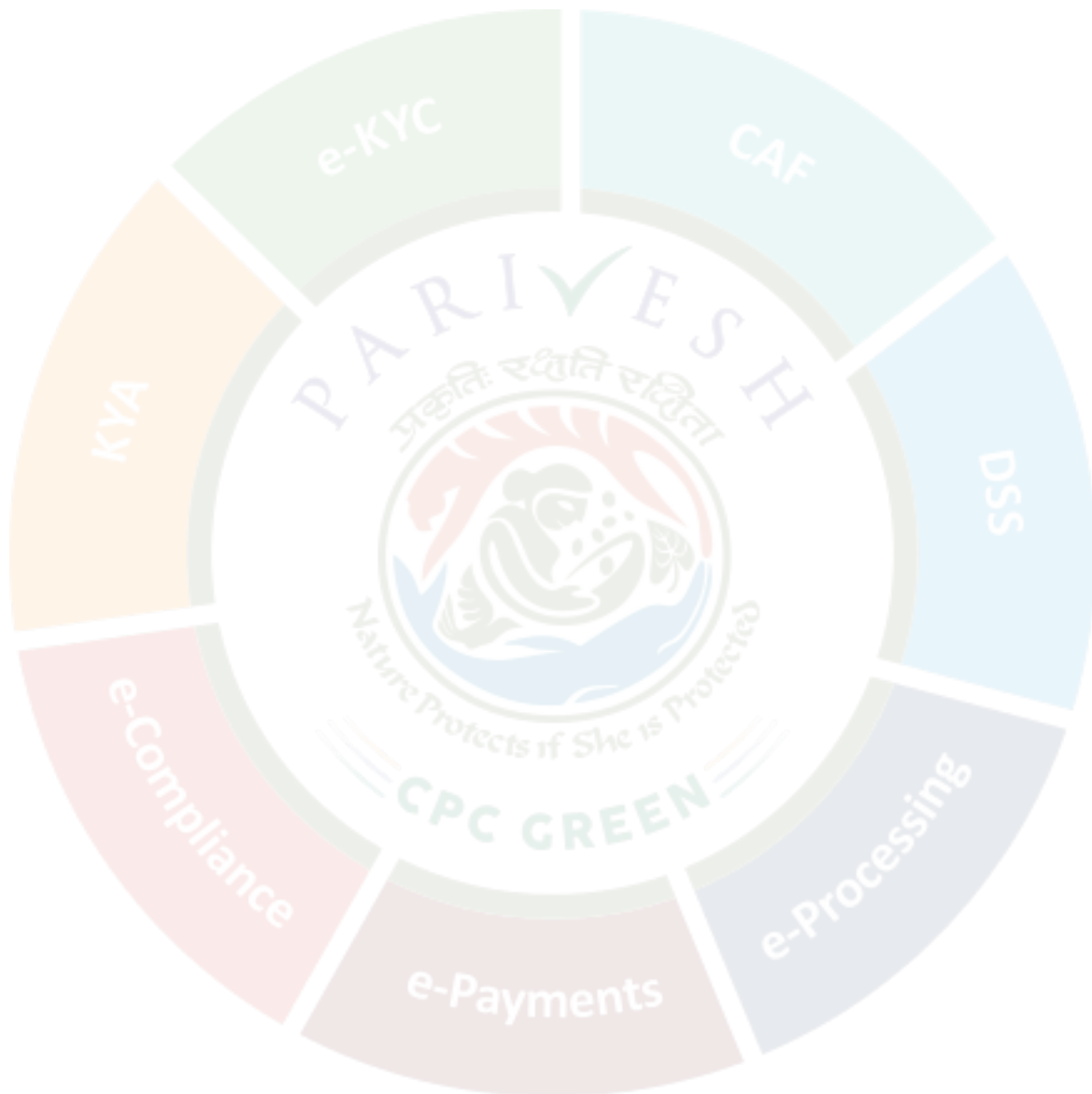
1. There should be Firefighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.
3. Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, 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. Solar energy saving shall be increased to atleast 10% of total energy utilization.
6. The Project proponent has to spend the CER as committed in the affidavit. The above activity shall be carried out before obtaining CTO from TNPCB.

7. The EMP cost 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
8. 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.
9. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
10. The Project proponent should discuss with the wet land Authority, Tamil Nadu Forest Department, PWD and support lake restoration cum improvement, awareness and conservation programs.
11. The project activities should in no way disturb the manmade structures.
12. 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.
13. “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.
14. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
15. 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.
16. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
17. 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.

18. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
19. It is the sole responsibility of the proponent that the treated sewage water disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc
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 center 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/TNPCB 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 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. 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.
29. The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect/not in order at a later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.



Signature Not Verified

Digitally Signed by : A R Rahul Nadh IAS
Member Secretary, SEIAA

Date: 27/11/2025



SIPCOT

Lr. No. CD/VNJ - Melur/WSy/2025

Dt.02.05.2025

To

The Managing Director,
TWAD Board,
31, Kamarajar Salai,
Chepauk,
Chennai - 600005.

BY RPAD & MAIL

Sir,

Sub:	SIPCOT - Vanjinagaram (Melur) Industrial Park, Melur Taluk, Madurai District - Requirement of 3.00 MLD water supply from nearby existing CWSS / surface / sub surface sources - Investigation by TWAD Board - Requested - Reg.
Ref:	Arising

Madurai District is one of the industrially important districts of Tamil Nadu. As part of its endeavour to develop industries in Tamil Nadu, Government of Tamil Nadu has mandated SIPCOT to develop an Industrial Park in Madurai district.

SIPCOT is now establishing a new Industrial Park at an extent of about 600.00 acres in Boothamangalam, Vanjinagaram and kodukkampatti Villages, Melur Taluk, Madurai District.

The Water supply demand of the Vanjinagaram SIPCOT Industrial Park is estimated to be 3.00 MLD and online registration with registration charge payment in the TWAD Board web Portal has been made vide Registration No.TWAD2025006.

Hence, It is requested to investigate the possibility of providing 3.00 MLD of water supply from nearby existing CWSS / surface / sub surface sources to the proposed SIPCOT Industrial Park at Vanjinagaram (Melur) Industrial Park, Melur Taluk, Madurai District, at the earliest as per usual terms & conditions.

**Sd/-
MANAGING DIRECTOR**

SUPERINTENDING ENGINEER
7/5/25

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

CIN : U74999TN1971SGC005967

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

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

ENVIRONMENTAL MANAGEMENT CELL

1. INTRODUCTION:

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



Figure - 1 Organogram for Environmental Management Cell

2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:

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

Table – 1: Roles and responsibilities of EMC

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000906F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s. SIPCOT Limited,	
Customer Address	: Melur	
Sample Drawn by	: LES	
Date of Monitoring	: 23.02.2026 & 24.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Near Project Site	Temperature : 30.0°C
Sample Code	: LES2602440	Humidity : 66%
Sample Received On	: 26.02.2026	Report Number : LES0906
Test Commenced On	: 26.02.2026	Test Completed On : 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	19.3	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	81.3	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	17.7	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	18.0	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ:20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ:20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ:0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ:0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ:0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report****
1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000907F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s. SIPCOT Limited,	
Customer Address	: Melur	
Sample Drawn by	: LES	
Date of Monitoring	: 23.02.2026 & 24.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location : Nellukundupatti		Temperature : 34.0°C
Sample Code	: LES2602441	Humidity : 67%
Sample Received On	: 26.02.2026	Report Number : LES0907
Test Commenced On	: 26.02.2026	Test Completed On : 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	20.9	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	80	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	8.3	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	11.3	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	—

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
1 of 1

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000908F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s. SIPCOT Limited,	
Customer Address	: Melur	
Sample Drawn by	: LES	
Date of Monitoring	: 23.02.2026 & 24.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location : Attapatti		Temperature : 30.0°C
Sample Code	: LES2602442	Humidity : 68%
Sample Received On	: 26.02.2026	Report Number : LES0908
Test Commenced On	: 26.02.2026	Test Completed On : 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	19.6	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	84.4	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	10.7	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	14.0	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report****
1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC1513126000000909F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s. SIPCOT Limited,	
Customer Address	: Melur	
Sample Drawn by	: LES	
Date of Monitoring	: 23.02.2026 & 24.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Budhamangalam	Temperature : 31.0°C
Sample Code	: LES2602443	Humidity : 65%
Sample Received On	: 26.02.2026	Report Number : LES0909
Test Commenced On	: 26.02.2026	Test Completed On : 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	22.1	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	81.7	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	15.0	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



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

Authorized Signatory

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No.	579/25-26	ULR No.	TC1513126000000910F	Report Date	05.03.2026
Sample Description	: Ambient Air Quality				
Customer Name	: M/s.SIPCOT Limited,				
Customer Address	: Melur				
Sample Drawn by	: LES				
Date of Monitoring	: 23.02.2026 & 24.02.2026		Sampling Method	: LES/EN/GEN/SOP/002	
Location	: Kachirayanpatti		Temperature	: 33.0°C	
Sample Code	: LES2602444		Humidity	: 70%	
Sample Received On	: 26.02.2026		Report Number	: LES0910	
Test Commenced On	: 26.02.2026		Test Completed On	: 05.03.2026	

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m³	22.0	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m³	83	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m³	10.1	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NO _x	IS:5182 (Part-6)2006	µg/m³	15.7	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m³	BLQ (LOQ:0.5)	---

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report****
1 of 1

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No.	579/25-26	ULR No.	TC151312600000911F	Report Date	05.03.2026
---------	-----------	---------	--------------------	-------------	------------

Sample Description	: Ambient Noise Levels	Sampling Method	: LES/EN/GEN/SOP/006
Customer Name	: M/s.SIPCOT Limited,	Test Method	: IS: 9989-1981
Customer Address	: Melur	Sample Received On	: 26.02.2026
Sample Drawn by	: LES	Test Completed On	: 05.03.2026
Date of Monitoring	: 24.02.2026		
Sample Code	: LES2602445		
Test Commenced On	: 26.02.2026		
Report Number	: LES0911		

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.	Near Project Site	42.0	53.4	48.6	38.5	44.1	41.6
2.	Nellukundupatti	41.1	52.2	47.5	38.8	41.1	40.1
3.	Attapatti	43.0	53.3	49.0	35.7	41.3	38.8
4.	Budhamangalam	41.7	50.8	47.4	39.9	41.7	40.8
5.	Kachirayanpatti	40.3	50.9	46.6	39.7	42.0	41.1
LIMITS – INDUSTRIAL AREA		Day Time - Max		75 dB(A)	Night Time - Max		70 dB(A)
LIMITS – RESIDENTIAL AREA		Day Time - Max		55 dB(A)	Night Time - Max		45 dB(A)

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



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

Authorized Signatory

U.ANBARASAN
Quality Manager

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

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000912F Report Date 20.02.2026

Sample Description: Ground Water
Customer Name: M/s.SIPCOT Limited,
Customer Address: Melur
Sample Drawn by: LES Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water Qty Sample Received: 5 Ltrs
Sample Code:LES2602446 Sample Condition : Clear Liquid
Sampling Date : 24.02.2026 Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026 Test Completed On: 05.03.2026
Sampling Location : Near Project Site Report Number: LES0912

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	1878	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.09	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	51	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	28	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	117	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500-CN C,E:2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05



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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000912F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	636	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	312	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	488	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	499	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	318	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	22	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-0.27	---	---
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	488	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	3360	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	56.61	---	---
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	0.22	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.1	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report
2 of 2

Authorized Signatory

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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

TEST REPORT

Job No. 579/25-26 Report No. 26000000912 Report Date 05.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602446	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Near Project Site	

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

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report
1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000913F Report Date 20.02.2026

Sample Description: Ground Water
Customer Name: M/s.SIPCOT Limited,
Customer Address: Melur
Sample Drawn by: LES Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water Qty Sample Received: 5 Ltrs
Sample Code:LES2602447 Sample Condition : Clear Liquid
Sampling Date : 24.02.2026 Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026 Test Completed On: 05.03.2026
Sampling Location : Attapatti Report Number: LES0913

S.N o	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	10	5	15
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)	1	5
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	1618	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.42	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	56	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	28	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	108	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05



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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 534/25-26 ULR No. TC151312600000913F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	607.47	250	1000
21.	Fluoride as F	APHA 24 th Edition 2023 4500 F D	mg/L	BLQ (LOQ:0.2)	1.0	1.5
22.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO4 E	mg/L	276	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	466	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	499	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	318	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	22	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-0.67	---	---
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	466	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	μs/cm	2896	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	56.7	---	---
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	0.23	---	---
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

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. 579/25-26 Report No. 26000000913 Report Date 05.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602447	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Attapatti	

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

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report
1 of 1

Authorized Signatory

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 534/25-26 ULR No. TC151312600000914F Report Date 20.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602448	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Budhamangalam	Report Number: LES0914

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	752	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.24	6.5 to 8.5	6.5 to 8.5
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)	0.5	0.5
6.	Anionic Detergents as MBAS	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)	0.2	1.0
7.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	18.2	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	15	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	94.85	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E-2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05



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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 534/25-26 ULR No. TC151312600000914F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	134.99	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	199	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	424.17	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	312.0	200	600
26.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ (LOQ:1.0)	---	---
27.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	86.48	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	12.89	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	2.25	---	---
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	424.17	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	1175	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	36.44	---	---
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	0.13	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.9	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report
2 of 2

Authorized Signatory

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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

TEST REPORT

Job No. 579/25-26 Report No. 26000000914 Report Date 05.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602448	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Budhamangalam	

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

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
1 of 1

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000915F Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602448	Sample Condition : Slightly Turbid Liquid
Sampling Date : 23.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Athikara Lake	Report Number: LES0915

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	388
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	8.47
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)
6.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	13
7.	Nitrate as NO ₃	APHA 24th Edition 2023 4500 NO ₃ -B	mg/L	9.2
8.	Barium as Ba	APHA 24th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)
9.	Calcium as Ca	IS:3025 (Part-40)1991	mg/L	48
10.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ(LOQ:0.05)
11.	Manganese as Mn	APHA 24th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)
12.	Arsenic as As	APHA 24th Edition 2023 3114 C	mg/L	BLQ(LOQ:0.002)
13.	Mercury as Hg	APHA 24th Edition 2023 3112 B	mg/L	BLQ(LOQ:0.0005)
14.	Copper as Cu	APHA 24th Edition 2023 3111 - B	mg/L	BLQ(LOQ:0.03)
15.	Zinc as Zn	APHA 24th Edition 2023 3111 - B	mg/L	BLQ(LOQ:0.02)
16.	Selenium as Se	APHA 24th Edition 2023 3114 - C	mg/L	BLQ(LOQ:0.001)
17.	Boron as B	APHA 24th Edition 2023 4500 B B	mg/L	BLQ(LOQ:0.1)
18.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	110
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)



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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000915F Report Date 05.03.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	48
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	136
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	148
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	67
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	670
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	0.34
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.7

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report
2 of 2

Authorized Signatory

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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

TEST REPORT

Job No. 579/25-26 Report No. 26000000915 Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602448	Sample Condition : Slightly Turbid Liquid
Sampling Date : 23.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Athikara 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	-0.74
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	43.58
8.	Cyanide as CN	APHA 24 th Edition 4500 CN C ₁ 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	136

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
1 of 1

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000916F Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602449	Sample Condition : Slightly Turbid Liquid
Sampling Date : 23.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Lake Near Karunkalakudi	Report Number: LES0916

S.No	Description	Method of Reference	Units	Results
1.	Color	IS:3025 (Part-4)2021	Hazen	5
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	410.24
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.39
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	18.74
7.	Nitrate as NO ₃	APHA 24th Edition 2023 4500 NO ₃ -B	mg/L	8.2
8.	Barium as Ba	APHA 24th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)
9.	Calcium as Ca	IS:3025 (Part-40)1991	mg/L	51.25
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	77.14
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)



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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000916F Report Date 05.03.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO_4	APHA 24 th Edition 2023 4500 $\text{SO}_4 \text{ E}$	mg/L	45.13
21.	Phenolic Compound as $\text{C}_6\text{H}_5\text{OH}$	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	135.38
23.	Total Hardness as CaCO_3	IS:3025 (Part-21)2009	mg/L	166.4
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	106.66
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	10.67
27.	Hexavalent Chromium as Cr^{6+}	IS:3025 (Part-52)2003	mg/L	BLQ(LOQ:0.02)
28.	Biochemical Oxygen Demand (3 days incubation @27°C)	IS:3025 (Part-44)2023	mg/L	BLQ(LOQ: 2.0)
29.	Chemical Oxygen Demand	IS:3025 (Part-58)2023	mg/L	BLQ(LOQ:4.0)
30.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	$\mu\text{S}/\text{cm}$	641
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	0.42
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.4

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
2 of 2

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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

TEST REPORT

Job No. 579/25-26 Report No. 26000000916 Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602449	Sample Condition : Slightly Turbid Liquid
Sampling Date : 23.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Lake Near Karunkalakudi	

S.No	Description	Method of Reference	Units	Results
1.	Lead as Pb	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.01)
2.	Cadmium as Cd	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.001)
3.	Total Chromium as Cr	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.005)
4.	Nickel as Ni	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.01)
5.	Phosphate as PO ₄	IS:3025 (Part-31)Sec 1:2022	mg/L	BLQ (LOQ:0.3)
6.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-1.39
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	51.47
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	135.38

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report
1 of 1

Authorized Signatory

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC1513126000000917F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602450	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Near Project Site	Report Number: LES0917

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.34
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	515
3.	Total Sand	AES/EN/SLS/SOP/017	%	59
4.	Silt	AES/EN/SLS/SOP/017	%	10
5.	Clay	AES/EN/SLS/SOP/017	%	25
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.56
7.	Moisture	IS 2720 (Part - 2)1973	%	1.3
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	139
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.36
10.	Total Organic matter	IS:2720 (Part -22)1972	%	0.62
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	1.21
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	75
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	28
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	7
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	6.8
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	14.7
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	10.6
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.36
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17.7
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	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: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 579/25-26 Report No. 26000000917 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602450	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Near Project Site	

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	1.5
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



End of Report

1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000918F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602451	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Nellukundupatti	Report Number: LES0918

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.81
2.	Electrical Conductivity @25°C	IS:14767-2000	µs/cm	428
3.	Total Sand	AES/EN/SLS/SOP/017	%	50
4.	Silt	AES/EN/SLS/SOP/017	%	13
5.	Clay	AES/EN/SLS/SOP/017	%	30
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.57
7.	Moisture	IS 2720 (Part - 2)1973	%	1.4
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	2.18
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	193
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	25.6
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6.2
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	6.2
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	31.4
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	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	0.95
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.4
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	3.6
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.8

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

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

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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

TEST REPORT

Job No. 579/25-26 Report No. 26000000918 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602451	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Nellukundupatti	

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED


Verified by




Authorized Signatory

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000919F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602452	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Attapatti	Report Number: LES0919

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.91
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	418
3.	Total Sand	AES/EN/SLS/SOP/017	%	50
4.	Silt	AES/EN/SLS/SOP/017	%	14
5.	Clay	AES/EN/SLS/SOP/017	%	30
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.27
7.	Moisture	IS 2720 (Part - 2)1973	%	1.1
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	155
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.99
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.7
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	1.47
12.	Total Nitrogen as N	IS-14684:1999	mg/kg	195
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	25
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.9
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	31.6
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	10
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	22
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	15.6
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	4.4
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	7.1

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, expect 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. 579/25-26 Report No. 26000000919 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602452	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Attapatti	

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000920F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602453	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Budhamangalam	Report Number: LES0920

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.74
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	425
3.	Total Sand	AES/EN/SLS/SOP/D17	%	52
4.	Silt	AES/EN/SLS/SOP/D17	%	12
5.	Clay	AES/EN/SLS/SOP/D17	%	32
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.28
7.	Moisture	IS 2720 (Part - 2)1973	%	1.9
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	145
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.99
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.17
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	2.23
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	135
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	25.4
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6.2
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	6.1
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	24.8
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	5.9
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	19
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.72
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.9
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	3.2
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.5

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report

1 of 1

Authorized Signatory

U.ANBARASAN
Quality Manager

Note: Any unauthorized alteration, forgery or falsification of the content or appearance of this test report is unlawful. Unless and otherwise stated the submitted results in this test report refer only to the sample(s) tested and such sample(s) are retained only for 15 days from the completion date of testing, except in case of regulatory samples. Samples are not drawn by us unless otherwise stated. This test report cannot be reproduced except in full, without prior written approval. This test report is for the exclusive use of Lotus Enviro Systems Private Limited and the 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.	579/25-26	Report No.	26000000920	Report Date	05.03.2026
---------	-----------	------------	-------------	-------------	------------

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602453	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Budhamangalam	

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

Verified by



For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Authorized Signatory

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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

TEST REPORT

Job No. 579/25-26 ULR No. TC151312600000921F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602454	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Kachirayanpatti	Report Number: LES0921

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.69
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	417
3.	Total Sand	AES/EN/SLS/SOP/017	%	47
4.	Silt	AES/EN/SLS/SOP/017	%	14
5.	Clay	AES/EN/SLS/SOP/017	%	33
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.34
7.	Moisture	IS 2720 (Part - 2)1973	%	2.2
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	140
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.66
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.14
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	1.02
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	133
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	24.8
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.8
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	24.6
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	7.7
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.7
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17.4
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	2.6
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.3

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

****End of Report****

1 of 1

U.ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: 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. 579/25-26 Report No. 26000000921 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Melur	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602454	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Kachirayanpatti	

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	1.5
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

Verified by



For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

****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.

SIPCOT – MELUR

ENVIRONMENTAL MONITORING PHOTOGRAPHS

AMBIENT AIR QUALITY MONITORING PHOTOGRAPHS:

Project area



Attappatti



Bhudhamangalam



Kachirayanpatti



Nellukundupatti



NOISE SAMPLING PHOTOGRAPH

Project site



Attappatti



Bhurddhamangalam	Kachirayanpatti
 A surveyor wearing a yellow hard hat and an orange safety vest stands next to a surveying instrument on a tripod. The background shows a dirt area with some greenery and a building. Purandippatti, Tamil Nadu, India 95044481, Purandippatti, Tamil Nadu 625106, India Lat: 10.935220° Long: 76.38387° Timestamp: 24/02/2024 10:33 AM GMT +05:30	 A surveyor wearing a yellow hard hat and an orange safety vest stands next to a surveying instrument on a tripod. The background shows a dirt area with some greenery and a building. Modukkarai, Tamil Nadu, India 95044481, Modukkarai, Tamil Nadu 625106, India Lat: 10.935220° Long: 76.38387° Timestamp: 24/02/2024 10:33 AM GMT +05:30
Nellukundupatti	
 A surveyor wearing a yellow hard hat and an orange safety vest stands next to a surveying instrument on a tripod. The background shows a dirt area with some greenery and a building. Nellukundupatti, Tamil Nadu, India 95044481, Nellukundupatti, Tamil Nadu 625106, India Lat: 10.935220° Long: 76.38387° Timestamp: 24/02/2024 11:01 AM GMT +05:30	

SOIL SAMPLING PHOTOGRAPH

Project area	Attapatti
	
Bhudhamangalam	Kachirayanpatti
	
Nellukundupatti	
	

GROUND WATER SAMPLING PHOTOGRAPHS

Project area	Attappatti
 Karungalakudi, Tamil Nadu, India 899°+684, Karungalakudi, Tamil Nadu 625102, India Lat 10.526777° Long 78.391557° Tuesday, 24/02/2020 04:15 PM GMT +05:30	 Attappatti, Tamil Nadu, India 889°+672, Attappatti, Tamil Nadu 625103, India Lat 10.066607° Long 78.386377° Tuesday, 24/02/2020 09:59 AM GMT +05:30
Budhamangalam	
 Budhamangalam, Tamil Nadu, India 899°+620, Budhamangalam, Tamil Nadu 625104, India Lat 10.761627° Long 78.889667° Tuesday, 24/02/2020 10:08 AM GMT +05:30	

SURFACE WATER SAMPLING PHOTOGRAPHS

Athikara Lake



Lake near Karungalakudi



SIPCOT | State Industries Promotion Corporation of Tamil Nadu

sipcotweb.tn.gov.in/Environment_clearance

Guest

Vaniyamallee Tiruvallur		Varapatti Dharmapuri	
Dharmapuri Dharmapuri		Sivagangai Sivagangai	
Manallur (Amended EC) Tiruvallur		Melur Madurai	

Load more

 **SIPCOT**
Govt. of Tamil Nadu

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

ENQUIRY NOW

Information

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

Office Address

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

 **Phone**
044-45261777

 **Email**

33°C Mostly sunny

Search

4:36 PM 4/30/2026



State Industries Promotion Corporation of Tamil Nadu Limited
(A GOVERNMENT OF TAMIL NADU ENTERPRISE)
Project Office: SIPCOT INDUSTRIAL ESTATE
Sivagangai Main Road, Manabakkam

Office: SIPCOT Industrial Estate, 1st Floor,
A Road, Manamadurai.

Project Office: SIPCOT Industrial Complex, Sivagangai Main Road, Manamadurai, Sivagangai District, Tamil Nadu-630 606
☎ 04574 - 258022 CIN:U74999TN1971PL00542 e-mail: office@19-A.RajkumarLakshminathan.com

☎ 04574-258022

CIN:U74999TN19710-CNGH

e-mail: neeraj@cs.toronto.edu

Regd. Office: 19-A, Rajkumar Lakshminpathy Road, Post Box No. 7724, Egmore, Chennai - 600 008
Phone: 044-45261777 Website: www.mca.gov.in

Phone: 044-45261777

Website <http://www.elsevier.com/locate/locate/jbiotec>

தி.அ/சிப்கா/மேலார்/சற்றுச்சூழல்/2025
பெறுநர்,

பெறுதல்.

Date: 15.12.2025

வட்டரா வளர்ச்சி அலுவலர்(BP)

ஊராட்சி ஒன்றிய அலுவலகம்.

கொட்டாம்பட்டி.

83411.

பொருள்: சிப்காட் - மதுரை மாவட்டம், மேலூர் வட்டம், வஞ்சிநகரம், கொடுக்கப்பட்டிருக்கும் பூதமங்கலம் கிராமங்களில் சிப்காட் தொழிற் பூங்கா அமைப்பதற்கான மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையத்திடம் சுற்றுச்சூழல் அனுமதி பெறப்பட்டது சமர்ப்பித்தல் தொடர்பாக.

குறிப்பு: மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் சுற்றுச்சூழல் அனுமதி அடையாள எண் EC25B3813TN5695233N நாள் 27.11.2025.

● ● ● ● ●

மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையம், தமிழ்நாடு அடையாள எண்: EC25B3813TN5695233N, கோப்பு எண்: 12844 தேதி: 27.11.2025 மூலம் மதுரை மாவட்டம், மேலூர் வட்டம், வஞ்சிநகரம், கொடுக்கப்பட்ட மற்றும் பூதமங்கலம் கிராமங்களில் சிப்காட் தொழிற் பூங்கா அமைப்பதற்கான சுற்றுச்சூழல் இசைவாணை வழங்கியுள்ளது.

சுற்றுச்சூழல் அனுமதியில் குறிப்பிடப்பட்டுள்ள நிபந்தனைகளுக்கு இணங்க, திட்ட முன்மொழிபவர் சுற்றுச்சூழல் அனுமதியின் நகலை உள்ளாட்சி அமைப்புகள், பஞ்சாயத்து மற்றும் நகராட்சி அமைப்புகளின் தலைவர்களிடம் சமர்ப்பிக்க வேண்டும். மேலும், மேற்குறிப்பிட்ட அமைப்புகள் 30 நாட்களுக்கு ,சுற்றுச்சூழல் அனுமதியை பொதுமக்களுக்கு காட்சிப்படுத்த வேண்டும்.

இது சம்பந்தமாக, சுற்றுச்சூழல் அனுமதியின் நகலை உங்கள் பார்வைக்காக இணைத்துள்ளோம்.

இணைப்பு: மேலே குறிப்பிடப்பட்டுள்ளபடி.

திட்ட அலுவலர்,

சிப்காட் தொழிற்பூங்கா.

மாணமுதலரை

Copy
16/12/24
வட்டார வளர்ச்சி அலுவலர் (வ.உ)
கொட்டாம்பட்டி

Ditwah: Ramnad on its knees; 40 shifted to safety

EXPRESS NEWS SERVICE
@ Ramanathapuram

THE advancing cyclone Ditwah threw life out of gear along the Ramanathapuram coast on Friday, whipping up high tides and gale-force wind that affected rail connectivity to Rameswaram via the Pamban sea bridge, battered fishing harbours and forced the evacuation of families from exposed coastal settlements.

With wind speeds climbing to 65-70 kmph, Southern Railway suspended train services operating on the Pamban sea bridge as a precaution. Trains from Chennai, Kanyakumari and Madurai bound for Rameswaram were terminated at Mandapam, from where passengers were taken to the island town by government buses.

Train services that originate from Rameswaram will be operated from Mandapam until clearance is received. Railway officials said trains would be



Due to 65-70 kmph wind, train services operated on Pamban bridge suspended; (R) a vessel broke away from its anchor and drifted ashore near Serankottai | K K SUNDAR



operated on the Pamban bridge only after wind velocity drops to safe limits. The coastal areas in Ramnad saw rough seas and relentless gusts, sending fishermen scrambling to secure their boats as tidal waves hit hard.

Copious rainfall lashed Rameswaram, Mandapam and Pamban, with the district recording average rainfall of 2 cm. In

Rameswaram harbour, a mechanised fishing boat broke away from its anchor and drifted ashore at Serankottai. Coastal erosion in the stretch dragged several country boats into the water, pushing fishermen to battle the wind and rain to retrieve and secure their vessels. District collector Simranjeet Singh Kahlon, who inspected

the preparedness in coastal areas, told *TNIE*, “The coastal areas are witnessing continuous moderate rainfall, however the coast is witnessing winds of 50-70 kmph. Considering safety, about 40 residents from the fishing hamlet in Dhanushkodi were shifted to the government school in Rameswaram. Other coastal villages are being moni-

tored by the teams, in case of sea surge or heavy rains residents will be moved to camps.” He added that teams are kept ready to address issues in case of issues. Official sources said tourist entry to Dhanushkodi has been suspended until further orders. Police placed barricades on Pudu Road and turned away visitors.

Allocate shops at new market in Madurai: Assn

MADURAI: The Madurai Road-side and Market Traders Association (CITU) submitted a representation to the Madurai Corporation commissioner on Friday urging allocation of shops in the newly-constructed Subramaniyapuram daily market to traders who have been doing business there for several years.

According to the association, the old market in Zone III, Ward 77, Subramaniyapuram was demolished and a new complex comprising 65 shops was constructed. Following the corporation's press advertisement dated September 10, 60 traders participated in the e-tender process and paid the deposit. However, the association alleged that despite payment, the traders have not been issued the ‘NOC’ required for allotment and no further action has been taken even after repeated personal requests.

Meanwhile, another e-tender notification regarding shop allotment was published on November 19, which has caused confusion among traders. The union further pointed to Rule VII of the relevant G.O, which states that if repeated auctions fail to attract bidders, the upset price may be reduced by 10% and re-auctioned, with further reductions requiring approval from the Director of Municipal Administration. “Despite the Corporation fixing the price and 60 traders accepting it and paying deposits, the process has been reopened without clarity on the status of the earlier applicants,” the association stated. The association appealed to the corporation to issue the pending certificates and allot shops to the 60 traders who have been operating in the market for several years and are struggling due to financial hardship.



10-month-old infant treated for renal stone

Madurai: Doctors of Meenakshi Mission Hospital and Research Centre (MMHC) recently performed a bilateral, simultaneous “mini” Percutaneous Nephrolithotomy (PCNL), a minimally invasive procedure on a 10-month-old baby who had multiple stones from in both kidneys. According to hospital sources, the baby was brought to the hospital with complaint of nil urine output. Tests revealed creatinine level of 4.4 which is considered dangerous. Doctors decided to perform (PCNL) to avoid open surgery. The baby has recovered and is doing well, the press release stated. Dr D Paul Vincent, Senior Consultant - Urologist & Andrologist, Dr. R. Ravichandran, Senior Consultant & HOD, Urology, Medical Administrator Dr B Kannan and Urology Specialist Dr Venugopal Konangi explained the case to the media. ENS

‘Ineffective e-pass system aiding quarry violations’

EXPRESS NEWS SERVICE
@ Tirunelveli

AN ineffective and “dummy” e-pass system introduced in Tamil Nadu has enabled a large-scale, illegal mining of stone, causing massive loss of mineral wealth and tax revenue to the state, alleged Arappor Iyakkam, a non-governmental organisation. Jayaram Venkatesan, the NGO's convenor, told *TNIE* that the existing e-pass system, meant to tally mineral loads leaving stone quarries, has been diluted to such an extent that it now “functions only on paper” and does not regulate quarry operations or transport in any meaningful way. The organisation alleged that several quarries in Tirunelveli and Tenkasi have mined resources far beyond their permitted limits.

Over 300 take part in awareness rally on gender equality

Virudhunagar: As part of the nationwide Gender Equality Campaign 4.0, the district administration, in coordination with the Tamil Nadu State Rural Livelihood Mission, organised an awareness rally at the Virudhunagar Panchayat Union Office on Friday. Collector N O Sukhaputra flagged off the rally for the campaign, which aims to promote gender equality and oppose all forms of gender-based discrimination. More than 300 members of women self-help groups (SHGs) took a collective pledge against gender discrimination and took part in the rally, marching up to Allampatti Junction Road. Later, the collector inaugurated a signature campaign. ENS

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED
19-A, RUKMANI LAKSHMIPATHY ROAD, EGMORE, CHENNAI-600 008.
CIN : U74999TN1971SGC005967

SIPCOT INDUSTRIAL PARK ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed Development of Industrial Park at Vanchinagaram, Kodukkampatti and Boothamangalam Villages of Melur Taluk, Madurai District, Tamil Nadu from the State Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide **EC Identification No. EC25B3813TN5695233N**, File No. 12844 dated **27.11.2025**.

The Environmental Clearance (EC) letter can be downloaded from the SIPCOT website www.sipcot.tn.gov.in. The Clearance Letter is also available on the Ministry of Environment, Forest and Climate Change (MoEF&CC) / SEIAA website www.parivesh.nic.in.

DIPR / 1417 / Display / 2025

MANAGING DIRECTOR

MISSING
I. A.Pandiaraj (Aadhaar Card No. 8028 9482 6356) S/O. Ayyappan, aged about 51 years residing at D.No.3/15, Kaliyamman Kovil Street, Anuppankulam-626189, Sivakasi Taluk, Virudhunagar District do hereby inform to the General public that I have lost the original Thanasettlement deed pertaining to myself property registered in document No.1/3301/2020 Reg. dated 15/06/2020 registered at Sivakasi Sub-Registrar Office when I went for Xerox shop at Parapaatti, Sivakasi East from my residence on **20.10.2025**. If anyone finds the said document please contact me over phone no. 9442990694 or at the following residential address:
A.Pandiaraj
3/15, Kaliyamman Kovil Street, Anuppankulam -626189

GOVERNMENT OF ASSAM OFFICE OF THE EXECUTIVE ENGINEER, PWD DISPUR & DIMORIA TERRITORIAL ROAD DIVISION, GUWAHATI-21.

No.DTRD/TB/15/2022-23/PT-I/6032

PRESS NOTICE INVITING TENDER

Executive Engineer PWD, Dispur & Dimoria Territorial Road Division, Guwahati-21, on behalf of Governor of Assam invites bids for 1(one) no work during the year 2025-26 in Kamrup Metropolitan District from approved & eligible Contractors registered with PWRD Assam.

Details may be seen at www.assamtenders.gov.in/ in the office of the undersigned during office hours.

Scheme is not yet sanctioned by the competent Authority. In the event of non-sanction of the schemes within reasonable time frame or any other issue arises, the tender may be cancelled and no claim what so ever on this account shall be entertained from the bidders.

Executive Engineer PWD
Dispur & Dimoria Territorial Road Division,
Bamunimaidam, Guwahati-21

DIPR/CF/NIXP-2786/29-Nov-25

NOTICE
I, A. Satyavel, son of Thiru. K. Andiappan, born on 09th June 1958 (native district Virudhunagar), residing at No.3/363, Natham Road, Krishna Nagar, Thiruppalai, Madurai 625014, shall henceforth be known as **A. SATHYAVEL**
A. SATYAVEL
Madurai 29th November 2025

SOUTHERN RAILWAY
(Construction Organisation)
Tender Notice No. OHE-CN-DyCEE-25-26-15-20 Dated 24-11-2025
For and on behalf of The President of India, The Dy.Chief Electrical Engineer/OHE, Construction, Southern Railway, Chennai, Egmore Invites E-Tender for the following works.
Name of work: OHE modification work in connection with ROB/RUB/LUS in lieu of level crossing in Tiruchirappalli division of Southern Railway
Tender Value: Rs. 25,62,270.17
Bid Security: Rs. 51,300.00
Tender closing date and time: 19.12.2025 at 15.00 hrs.
For more details visit www.irops.gov.in
Dy.Chief Electrical Engineer/OHE Electrical Construction Chennai-8

PUBLIC NOTICE
We are investigating the title of the owners of land, more particularly described in the **Schedule** hereunder written (“**Schedule Properties**”). If any person having or claiming any form of right, title, claim, benefit, demand or interest in the **Schedule Properties** or any part thereof, by way of sale, transfer, exchange, assignment, Will, release, relinquishment, decree or order of any Court of Law, encumbrance, mortgage, lease, lien, charge, maintenance, license, gift, inheritance, undivided share, possession, easement, trust, bequest, sub-lease, tenancy, sub-tenancy, leave and license, its pends, easement, options, right of first refusal or pre-emption or encumbrance of whatsoever nature or otherwise howsoever, or under any agreement, deed, document or power of attorney or any objection/s of any manner whatsoever is hereby required to inform the same in writing with notarized/certified true copies of documentary proof in support thereof, to the undersigned at their under mentioned address to the undersigned **within 10 (ten) days** from the date of this notice, failing which it will be presumed that the title of the **Schedule Properties** are clear, valid and marketable and no one has any rights, title, interest, claim, demand whatsoever on the **Schedule Properties**. Any claims without supporting documents shall not be entertained. Please mark your envelope with the superscription **TN Theni**.
SCHEDULE PROPERTIES (Description of the land)
All that piece and parcel of immovable property admeasuring approximately **4 Acres 89.5 Cents** situated at Andipatti Bit – II Village, Andipatti Taluk and Theni District, Tamil Nadu and more particularly described below:

SCHEDULE PROPERTIES (Description of the land)						
All that piece and parcel of immovable property admeasuring approximately 4 Acres 89.5 Cents situated at Andipatti Bit – II Village, Andipatti Taluk and Theni District, Tamil Nadu and more particularly described below;						
Village	Taluk	Dist- rict	Survey Nos.	Total Extent in Patta (Acres)	Proposed Extent for WTG (Acres)	Owner's Name (As per title deeds)
Andipatti	Andipatti	Theni	1222/10	1.865	1.865	Nagammal Ramasamy Dhanushkodi Suryanarayanan
			1222/11	0.42	0.42	Kanaga
			1222/12	0.74	0.74	Kumar
			1222/13(P)	0.30	0.11	Veeranan
			1222/14 (P)	0.28	0.11	Mani
			1223/1 (P)	2.72	1.20	Esamani @ Esakiammal
			1371/2A (P)	1.04	0.24	Ramar & Indiraghandi
			1371/1 (P)	2.03	0.11	Perumal
			1223/3 (P)	1.82	0.10	Mani
Total extent					4.895	

Sd. /-
KING & PARTRIDGE, Advocates
“Catholic Centre” 2nd Floor, No.108, Armenian Street,
Chennai - 600001. Tel: 044-25389721 / 9840170362
Date: 29.11.2025

TAMIL NADU POLLUTION CONTROL BOARD PUBLIC NOTICE

Whereas as per Ministry of Environment and Forests, Government of India, New Delhi, Environmental Impact Assessment Notification Number S.O. 1533 dated **14.09.2006**, Public Hearing - District wise is to be carried out in the manner prescribed in Appendix IV of the said Notification for ascertaining concerns of local affected persons, for the projects covered in the schedule of the said Notification.

Whereas Public Hearing - District wise to be conducted by the State Pollution control Board concerned in the specified manner as per paragraph 7(II) sub para(ii) & Appendix-IV of the said Notification.

Whereas, as required, Public Hearing is proposed to be conducted by Tamil Nadu Pollution Control Board for the following project on the date, time and venue as mentioned below.

Sl.No	Name of the Project and Location	Venue	Date &Time
1.	M/s. G.Sathishkumar Rough Stone and Gravel Quarry located at S.F.Nos. 1204/1 (Part), 1204/2, 1204/3, 1204/4(Part), 1204/5(Part), 1204/6(Part), 1204/7(Part), 1233/3B, 1233/4B, 1233/5B2, 1233/9B, 1233/10, 1223/1B, 1234/1A & 1234/2B, Punnam Village, Pugalur Taluk, Karur District over an Extent of 1.46.25 Hectares.	Bharani Mahal, Door No.5/130, Near Balamalai, Pavithram Village, Pugalur Taluk, Karur District	30.12.2025 at 11.00 AM

In this connection, it is informed that Draft Environmental Impact Assessment Report and summary of Environmental Impact Assessment Report in English and Tamil are made available for Public reference at the following places.

- Office of the District Collector, Karur District.
- District Industries Centre, Thanthonimalai, Karur.
- Block development Officer, K. Paramathy Panchayat Union, Karur District.
- Tamil Nadu Pollution Control Board, No. 76, Mount Salai, Guindy, Chennai- 600 032.
- Office of the District Environmental Engineer, Tamil Nadu Pollution Control Board, L.G.B Nagar, Arvuthiurkkovil Road, Karur- 639 002.
- Regional Office, Ministry of Environment, Forest and Climate Change, Nungambakkam, Chennai – 600 034.

Suggestions, views, comments and objection of the Public are invited within 30 days from the date of publication of this notice, by Tamil Nadu Pollution Control Board.

All persons including Bonafide Residents, Environmental Groups and others located at the project site / sites of displacement / sites likely to be affected can participate in the Public Hearing and they can also make Oral / Written suggestions to the District Environmental Engineer, Tamil Nadu Pollution Control Board, Karur on the project.

Member Secretary,
Tamil Nadu Pollution Control,
Chennai.

DIPR / 1419 / Display / 2025

TUNE IN TO THE express PODCAST

FOR ALL THINGS LIFE AND LIFESTYLE!

FIRST GENERATION ENTREPRENEUR & AWARD-WINNING FOUNDER OF NECTAR FRESH

CHAYAA NANJAPPA

ON BUILDING INDIA'S LEADING PREMIUM HONEY AND NATURAL FOODS BRAND

IN CONVERSATION WITH

Available on: YouTube and Spotify

Scan to listen

INDIAN EXPRESS EVENT XPRESS

பலகை கட்டணம் ரூ. இல்லாமல்
உட்புகட்டுப் தேதியும் நேரமும் : 08.12.2025 அன்று 15.00 மணி

அவர், விவரங்கள் அறிய <https://www.ireps.gov.in> இணையதளத்திலிருந்து பார்க்கவும்.
விவரங்கள், கட்டணங்கள் மற்றும் நிர்நீதிக்கான ஆவிகள் விவரங்களுக்கு
யு பதிவேற்றம் செய்யப்படுகின்றது ஆணைக்களம் பார்வைமையிடுகிறது.

அவர் கேட்டுக்கொள்ளப்பட்டிருக்கும், அனைத்து நேரத்தில் திறந்திருக்கும், கால
தீர்த்தல் ஆகியவை இணையதளத்தில் இருந்து வெளியிடப்படும். தனிப்பட்ட
வெளியிடப்படும் மாட்டாக, ஒப்புப்பள்ளியாகவுள்ள அவர்களையும் இணைய
தளத்தை நிலையாகக் கொண்டு கொண்டு கொண்டு.

முதுநிலை கோட்டின் மாண்புமிகு பொருள், டிராப்ட்ஸ் விரிப்பாளர்
கொண்டு இராசினி, மதுரை - 625 016

EXTRACT OF MINUTES OF THE 491ST BOARD MEETING OF SIPCOT HELD AT 4.00 P.M. ON FRIDAY, THE 29TH MAY, 2020 AT THE CONFERENCE HALL, INDUSTRIES DEPARTMENT, SECRETARIAT, CHENNAI-9

DIRECTORS PRESENT (IN PERSON)	1. Thiru N. Muruganandam, IAS, Principal Secretary/Chairman 2. Thiru J. Kumaragurubaran, IAS, Managing Director 3. Thiru. S. Krishnan, IAS, Director 4. Tmt. Kakarla Usha, IAS, Director 5. Tmt. Anu George, IAS, Director 6. Tmt. R. Gajalakshmi, IAS, Director 7. Dr. K.P. Karthikeyan, IAS, Director
DIRECTORS PRESENT (ONLINE)*	8. Dr. M. Aarthi, IAS, Director 9. Tmt. M.A. Helen, Director 10. Thiru. S. Kumararajan, Independent Director 11. Dr. A. Jebamalar, Independent Director 12. Thiru S.V. Arumugam, Independent Director 13. Dr. N. Sundaradevan, IAS (Retd.), Independent Director
IN ATTENDANCE:	Thiru. SP. Meyyappan, Consultant (Operations) Tmt. S. Shoba, GM(F) /CFO Tmt. H. Prabhavathy, GM(P-II) i/c Thiru A.R. Chandramohan, GM(P-III) i/c Tmt. M.G. Shanthi, Company Secretary

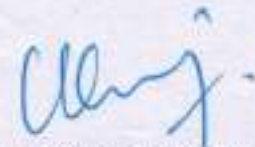
* Ministry of Corporate Affairs in its circular dated 19.3.2020 and 5.5.2020 relaxed the requirement of holding Board Meetings with physical presence of Directors for approval and also encouraged Companies to hold meetings through Video Conferencing or through audio-visual means.

9. SIPCOT INDUSTRIAL COMPLEXES/PARKS/GROWTH CENTRES - DRAFT ENVIRONMENT POLICY - APPROVAL - REG.

Board deliberated the draft environment policy as annexed in the Board note and passed the following:

"RESOLVED to approve the Environmental Policy of SIPCOT as annexed in the Board note and authorize Managing Director to implement the same."

//TRUE COPY//


COMPANY SECRETARY