



SIPCOT

EC/Cheyyar/HYC/June/2025

Date: 30.05.2025

To,
The Director,
The Ministry of Environment and Forest & Climate Change,
Integrated Regional Office,
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai - 600 006.

Sir,

Sub: SIPCOT Industrial Park, Cheyyar - Submission of Half Yearly Compliance Report for June 2025 (i.e., for the period of October 2024 to March 2025) - Reg.

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

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Mangal, Kunnavakkam, Mathur, Karanai, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu, Mahajanambakkam Villages Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu for June 2025 (i.e., for the period of October 2024 to March 2025) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,

CONSULTANT (PROJECT MANAGEMENT)

Encl: As above.

Copy to:

1. The Director,
CPCB Zonal Office,
77-A, South Avenue Road,
Ambattur Industrial Estate,
Ambattur Taluk, Thiruvallur District,
Chennai - 600 058.

P.T.O.

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

CIN I U74999TN1971SGC005967

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

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

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

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HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of October 2024 – March 2025

For

“Development of SIPCOT Industrial park

At

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

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

Submitted by

M/s STATE INDUSTRIES CORPORATION OF TAMILNADU LIMITED

19/A, Rukmanilakshmipathy road,
Egmore, Chennai – 600008



Prepared by

HUBERT ENVIROCARE SYSTEMS (P) LTD

CHENNAI

(ENVIRONMENTAL CONSULTANT)

MAY 2025

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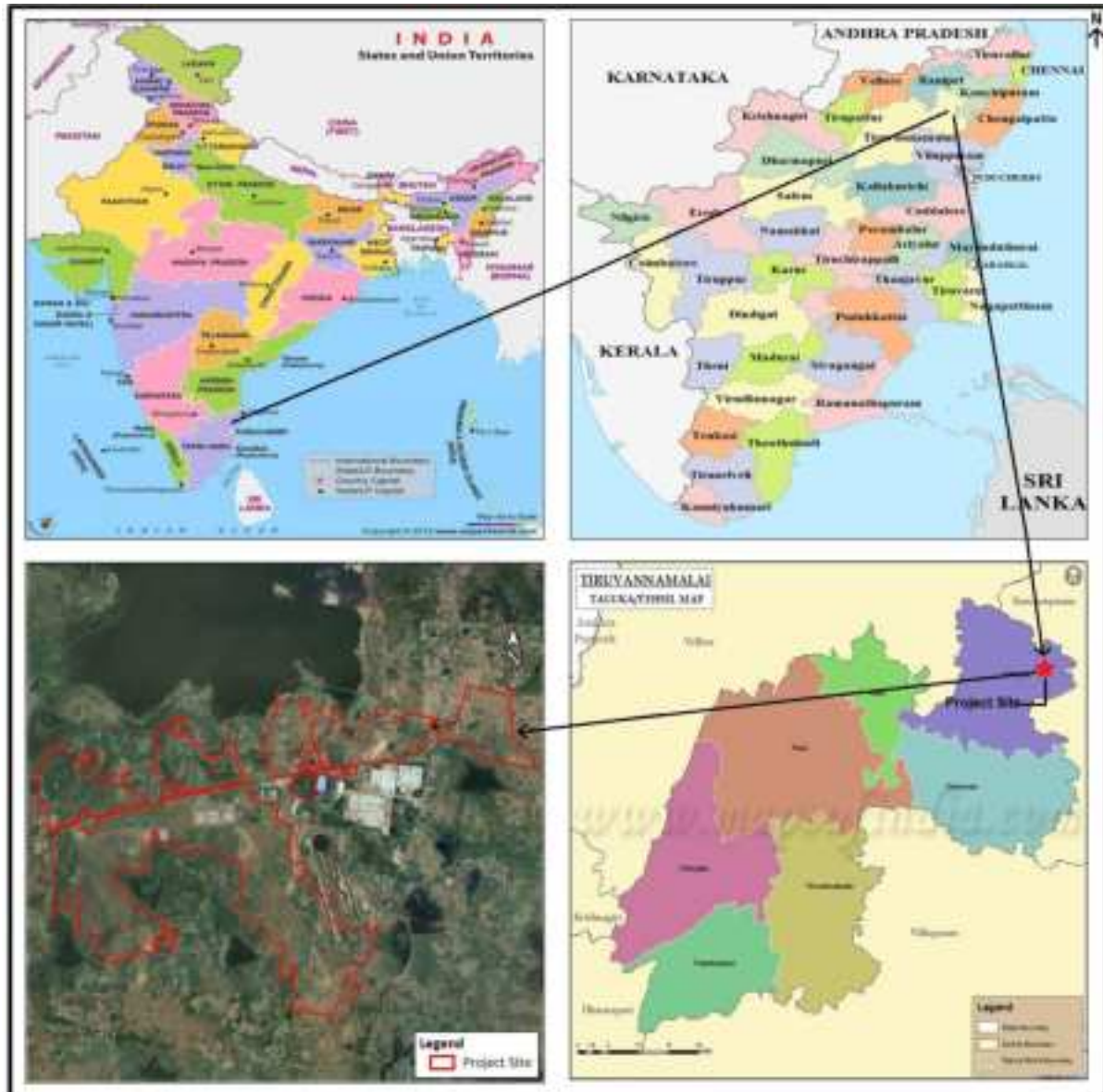
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1.0 PROJECT DETAILS

Name of the project	Development of Industrial Park, Cheyyar
Name of the proponent	STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD (SIPCOT).
Location	Mangal,Kunnavakkam,Mathur,Karanai,Chellaperumbulimedu, Perumbulimedu,Ukkamperrumbakkam, Shozhavaram, Alinjalpattu, Mahajanambakkam Villages, Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu. Note: Cheyyar Taluk is bifurcated as Vembakkam Taluk also.
Ec no	F.No 21-181/2014-IA.III Dated 30.09.2016 (Enclosed as Annexure 1)
Total plot area	931.015 ha
Water requirement	4.5 MGD (Existing) and 1.62 MLD (Proposed) Source: <ul style="list-style-type: none"> • TWAD (Cheyyar River) and Approval letter is enclosed as Annexure – 17 • Additional augmentation of 1.62 MLD as per Annexure 17a

2.0 SITE LOCATION MAP



3.0 SITE PHOTOGRAPHS





4.0 HALF YEARLY COMPLIANCE STATEMENT

PART – A SPECIFIC CONDITIONS

1. Construction Phase

S.NO	CONDITION	STATUS OF COMPLIANCE
i	Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Consent to Establish obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974. Copy of the same is enclosed as Annexure – 2.
ii	There shall be a continuous green belt along the plant premises, except at the designated entry and exit points.	SIPCOT has developed continuous greenbelt across various locations within the industrial park, ensuring green cover throughout the industrial park. Greenbelt layout of the Industrial Park is enclosed as Annexure – 3. Photographs of green belt development by SIPCOT are enclosed as Annexure – 4. Additionally, individual industries have developed greenbelts within their plots. Photographs of green belt development by Individual Industries are enclosed as Annexure – 4.
iii	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured/recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Six Monthly Monitoring reports.	The quantity of fresh water supplied to individual industries is being measured / recorded by SIPCOT. Average quantity of freshwater supplied for the industries is ~1.5 MLD. Water recycling and rainwater harvesting activities are implemented by the individual industries within their plots. Photographs of STP and ETP of Individual industries are enclosed as

		Annexure 5. Photographs of Rain water harvesting structures provided by Individual industries are enclosed as Annexure 6.															
iv	Special purpose vehicle shall be established for implementation monitoring and compliance of the environmental safeguards.	Environmental Management Cell was established for implementation monitoring and compliance of the environmental safeguards. Supporting docs are enclosed as Annexure – 7.															
v	All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.	<p>The Environmental Management Plan along with the compliance status is given below:</p> <table border="1"> <thead> <tr> <th>S.no</th><th>Project components</th><th>Capital cost incurred (in ahs)</th></tr> </thead> <tbody> <tr> <td>1</td><td>Greenbelt development</td><td>222.43</td></tr> <tr> <td>2</td><td>Solid Waste Management Facility</td><td>157.99</td></tr> <tr> <td>3</td><td>Storm water drain</td><td>2,700.16</td></tr> <tr> <td colspan="2">Total EMP Cost</td><td>3,080.58</td></tr> </tbody> </table> <p>Photographs of green belt development by SIPCOT are enclosed as Annexure – 4.</p> <p>Photographs of Solid Waste Management Facility Provided by SIPCOT are enclosed as Annexure – 8.</p> <p>Photographs of Storm Water Drains Provided by SIPCOT are enclosed as Annexure –9.</p> <p>Photographs of Rainwater Harvesting provided by SIPCOT as well as individual industries are enclosed as Annexure – 6.</p>	S.no	Project components	Capital cost incurred (in ahs)	1	Greenbelt development	222.43	2	Solid Waste Management Facility	157.99	3	Storm water drain	2,700.16	Total EMP Cost		3,080.58
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2	Solid Waste Management Facility	157.99															
3	Storm water drain	2,700.16															
Total EMP Cost		3,080.58															

		<p>In addition to the above, SIPCOT has allocated ₹9.2 Crores (Rupees Nine Crores Twenty Lakhs Only) exclusively for carrying out CER activities surrounding the SIPCOT Industrial Park, Cheyyar (Phase-II).</p> <p>SIPCOT has requested the District Collector, Tiruvannamalai to submit a detailed proposal specifying CER activities, including provisions for developing facilities for disabled people that could be implemented under CER in the surrounding area of the SIPCOT Industrial Park, Cheyyar (Phase-II).</p> <p>Acknowledgement copy of letter submitted to the District Collector, Tiruvannamalai requesting to submit the proposal for is enclosed as Annexure – 10.</p>
vi	The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent before taking into the CETP for further treatment.	CETP was not envisaged in the Industrial Park. However, SIPCOT has mandated the member units to have their own ETP with Zero Liquid Discharge (ZLD) system and to handle their own domestic wastewater as per the prescribed standards. Photographs of STP and ETP of Individual industries are enclosed as Annexure 5.
vii	Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.	<p>CETP was not envisaged in the Industrial Park. However, SIPCOT has mandated the member units to have their own ETP with Zero Liquid Discharge (ZLD) system and to handle their own domestic wastewater as per the prescribed standards.</p> <p>The Member Industries has provided proper meters with recording facilities in their ETP. Photographs of STP and ETP of Individual</p>

		industries are enclosed as Annexure 5 . Photographs of Metering System provided in the STP and ETP by the Individual industries are enclosed as Annexure 5 .
viii	Member industries shall treat the effluent to meet the prescribed CETP inlet norms.	CETP was not envisaged in the Industrial Park. SIPCOT has mandated the member units to have their own ETP with zero liquid discharge system and to handle their own domestic waste water as per the prescribed standards. Photographs of STP and ETP of Individual industries are enclosed as Annexure 5 .
ix	The project proponent shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest for improvements.	Separate environmental management cell has been formed for implementation monitoring and compliance of the environmental safeguards. Environment Management Cell (EMC) will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure – 7 .
x	Internal Road widths within the industrial area shall be minimum 24 m ROW.	SIPCOT has provided Internal Road with 24 m and 36 m ROW within the industrial area. Photographs of the same are attached as Annexure 11
xi	Common facilities such as repair shops, rest rooms for drivers and attendants shall be provided.	SIPCOT has provided common facilities like rest rooms, toilet, etc. for drivers and attendants within the truck parking area. The Photographs of common facilities provided for drivers and attendants are attached as

		Annexure – 12.
xii	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	All required sanitary and hygienic measures are placed before starting construction activities and maintained throughout the construction phase. The Photographs of toilet facilities provided for the construction workers is enclosed as Annexure – 12.
xiii	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil & ground water samples are collected and being tested periodically in and around the industrial park There is no threat to ground water quality due to leaching of heavy metals and other toxic contaminants. Soil and ground water monitoring reports are enclosed as Annexure – 13.
xiv	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.	Construction spoils, including bituminous material and other hazardous materials are secured in the designated areas and does not contaminate water courses. The photographs of nearest water bodies are enclosed as Annexure – 14. Surface Water Quality Monitoring Reports of nearby water bodies are enclosed as Annexure – 13.
xv	Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.	SIPCOT has provided parking spaces within their project office. Further, SIPCOT has provided Truck Parking Area within the Industrial Park. Additionally, Individual industries have parking slots within their premises. Photograph of SIPCOT Project Office Parking area, SIPCOT Truck Parking Area and Individual Industries Parking Area are enclosed as Annexure – 15.
xvi	Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable	Agreed to comply. Photograph of hazardous waste storage is enclosed as annexure -31.

	rules and norms with necessary approvals of the State Pollution Control Board.	Hazardous Waste Disposal agreement between the Individual Industry and the TNPCB Authorized Vendor is enclosed as annexure -32
xvii	The diesel generator sets to be used during development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	SIPCOT has not proposed any DG sets for the development/ construction phase of the Project. However, condition will be complied, if required for completing the remaining infrastructure.
xviii	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.	SIPCOT has not proposed any DG sets for the development/ construction phase of the Project. However, condition will be complied, if required for completing the remaining infrastructure.
xix	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Agreed to comply.
xx	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during development/ construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.	<p>SIPCOT is periodically monitoring Ambient Air Quality and Noise Level and there is no incremental pollution load observed.</p> <p>Those Ambient Air Quality and Noise Level Monitoring reports are enclosed as Annexure - 13.</p> <p>A proper green cover has been developed to mitigate air and noise pollution.</p> <p>The member industries are also instructed to adhere to the air and noise standards</p>

		stipulated by CPCB/SPCB.
xxi	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.	<p>In accordance with the Fly Ash Notification, 1999, there are no coal or lignite-based thermal power plants within a 50 km radius of the project site, resulting in unavailability of fly ash as construction material.</p> <p>However, individual industries have utilized fly ash-blended materials in their construction activities. Photographs of fly ash mixed construction materials used by these industries is enclosed as Annexure – 16.</p>
xxii	Ready mixed concrete must be used in site development and building construction.	Ready mixed concrete is being used in site development and building construction
xxiii	Storm water control and its re-use as per CGWB and BIS standards for various applications.	<p>SIPCOT has implemented a comprehensive storm water drainage system to efficiently manage water flow across the industrial park. Photographs of the storm water drains provided along the internal roads of the industrial park are enclosed as Annexure – 9.</p> <p>Further, individual industries have established their own storm water drainage systems within their plots. Collected storm water is directed into rainwater harvesting ponds, allowing industries to reuse the water.</p> <p>Photographs of the storm water drains and rainwater harvesting ponds provided by the individual industries are enclosed</p>

		as Annexure – 6 & 9.
xxiv	Water demand during development/construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	SIPCOT is utilizing ready-mix concrete for construction, which helps reduce water demand during the development phase. This practice minimizes water consumption in the construction process.
xxv	Permission to draw ground water shall be obtained from the competent Authority prior to construction/ operation of the project.	No Ground water is drawn by SIPCOT. Total water requirement for the project is sourced from TWAD board. Water allocation letter is enclosed as Annexure – 17 & 17a
xxvi	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	SIPCOT has not proposed CETP & CSTP. Hence, dual plumbing was not implemented for the separation of grey and black water.
xxvii	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control	Individual industries have provided pressure reducing devices or sensor-based control for fixtures and taps.
xxviii	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality low E value glass.	The usage of glass was reduced by SIPCOT. Further, the member industries have used high quality low E value glass. The Photographs of high quality low E value glass used by Industries are enclosed as Annexure – 18.
xxix	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	It is an infrastructure development project which involves development of roads, stormwater drains, water supply, power supply, street lights, greenbelt development and other such amenities to accommodate the industries. However, individual industries use appropriate thermal insulation materials. Photographs of thermal insulation material provided by Individual industries are enclosed as Annexure – 19.
xxx	Opaque wall should meet	It is an infrastructure development project

	prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	which involves development of roads, storm water drains, water supply, power supply, street lights, greenbelt development and other such amenities to accommodate the industries.
xxxi	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire-fighting equipments, etc. as per National Building Code including protection measures from lightening etc.	It is an infrastructure development project which involves development of roads, stormwater drains, water supply, power supply, street lights, greenbelt development and other such amenities to accommodate the industries. However, all the member industries are instructed to obtain all necessary clearances / approvals. Adequate fire-fighting equipment's were provided by individual industries, photograph of the same are enclosed as Annexure – 20.
xxxii	Regular supervision of the above and other measures for monitoring should be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.	Condition Noted. Regular supervision of the above and other measures will be monitored by Environmental Management Cell of SIPCOT.
xxxiii	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Condition Noted.
xxxiv	The responses/ commitments made to the issues raised during public hearing shall be complied with in letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.	The compliance statement addressing the responses and commitments made to the issues raised during the public hearing is being submitted to the Ministry periodically as part of the Six-Monthly Compliance

		<p>Report.</p> <p>The latest compliance statement for the public hearing is attached as Annexure – 21.</p>
xxxv	2% of the project cost shall be earmarked for Corporate Environment Responsibility activities.	<p>SIPCOT has allocated 2% of the project cost i.e., ₹9.2 Crores (Rupees Nine Crores Twenty Lakhs Only) exclusively for carrying out CER activities surrounding the SIPCOT Industrial Park, Cheyyar (Phase-II). SIPCOT has requested the District Collector, Tiruvannamalai to submit a detailed proposal specifying CER activities, including provisions for developing facilities for disabled people that could be implemented under CER in the surrounding area of the SIPCOT Industrial Park, Cheyyar (Phase-II).</p> <p>Acknowledgement copy of letter submitted to the District Collector, Tiruvannamalai requesting to submit the proposal for is enclosed as Annexure – 10</p>
xxxvi	Necessary provision to develop facilities for disabled people shall be made under Corporate Environment Responsibility	
xxxvii	<p>Corporate Environment Responsibility:</p> <p>a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.</p> <p>b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/ deviation/ violation of the environmental or forest norms/ conditions.</p> <p>c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.</p>	<p>SIPCOT has formulated a well laid down Environment Policy approved by the Board of Directors in order to comply with the regulatory condition.</p> <p>Separate environmental management cell has been formed for implementation monitoring and compliance of the environmental safeguards.</p> <p>Environment Management cell will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and</p>

	d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large	Responsibilities are enclosed as Annexure – 7.
II Operation Phase		
i	All the topsoil excavated during development/ construction activities should be stored for use in horticulture / landscape development within the project site.	All the excavated top soil has been used for greenbelt development within the industrial park.
ii	Disposal of muck during development/ construction phase should create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	The disposal of muck during development/ construction phase will be carried out with general safety precautions.
iii	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The solid waste generated are properly collected, segregated and disposed off to the approved sites after recovering recyclable material. Photograph of solid waste collection cart and the solid waste management area are enclosed as Annexure – 8.
iv	Diesel power generating sets proposed as source of back-up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. The location of the DG sets may be decided	SIPCOT has not proposed any DG sets for the Project. Individual industries have provided DG sets for their power back up with enclosed type and with sufficient stack height. Photographs of DG sets provided by Individual industries are enclosed as Annexure – 22.

	with in consultation with State Pollution Control Board.	
v	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations	Noise levels are being monitored periodically. Day and Night time the noise levels are well within the permissible levels. The noise level monitoring details are enclosed as Annexure – 13.
vi	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	SIPCOT has developed greenbelt with adequate width and density across various locations within the industrial park, ensuring green cover throughout the industrial park. Photographs of green belt development by SIPCOT are enclosed as Annexure – 4. Additionally, individual industries have developed greenbelts along the periphery of the plots. Photographs of green belt development by Individual Industries are enclosed as Annexure – 4
vii	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	Weep holes were provided by the individual industries in the compound walls to ensure natural drainage of rain water during the monsoon period. Photographs of weep holes provided by Individual Industries are enclosed as Annexure – 23.
viii	Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pretreatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 4 mts. Above the highest ground water table.	Rainwater from roof runoff and surface runoff is collected by individual industries within their plots in rainwater collection ponds through storm water drains. The collected water is then pre-treated and reused for processes or utilities. The Photographs showing the rain water harvesting ponds and storm water drain by individual industries are enclosed as Annexure – 6 & 9.

		Apart from this, SIPCOT has provided rain water harvesting pits in the project office. The Photographs showing the rain water harvesting pits by SIPCOT are enclosed as Annexure – 6.
ix	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority	The ground water quality is being monitored regularly and the monitoring report is enclosed as Annexure –13. The same will be followed during the operation phase.
x	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided: Parking, loading and unloading should be fully internalized and no public space should be utilized.	The parking area, loading and unloading area are internalized within the industrial park and no public space was utilized. Photograph of SIPCOT Project Office Parking area, SIPCOT Truck Parking Area and Individual Industries Parking Area are enclosed as Annexure – 15
xi	A Report on the energy conservation measures confirming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc., and submit to the Ministry in three months time.	Energy conservation measures are being implemented by the individual industries. Solar street light and Roof top solar panel photograph by individual industries are enclosed as Annexure – 24.
xii	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of	The Energy conservation measures like installation of LED lights were done for lighting the common areas like project office, internal roads, Solid waste management area, etc. All the member industries are instructed to dispose the wastes through authorised recyclers, as per applicable rules and norms with necessary approvals. Individual industries have provided roof top

	solar panels may be done to the extent possible.	solar panel and solar lights within their premises. Photographs of solar panel and solar lights provided by individual industries are enclosed as Annexure – 24.
xiii	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Buildings have adequate distance for movement of fresh air and passage of natural light, air and ventilation. All industries are mandated to obtain all necessary clearances/approvals before commencement of construction/ operation.
PART – B General Conditions		
i	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	Conditions are being/will be complied.
ii	Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.	Agreed to comply
iii	Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office, Chennai.	Six monthly monitoring reports are being submitted at Regional Office of MoEF&CC periodically. The Screenshot showing previous six-monthly compliance report uploaded in the portal is enclosed as Annexure –25.
iv	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Thasildar's office for 30 days.	Condition complied
v	The project proponent shall set up a separate environmental management cell for effective implementation of the	Separate environmental management cell has been formed for implementation monitoring and compliance of the

	stipulated environmental safeguards under the supervision of a Senior Executive.	environmental safeguards. Environment Management cell will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure – 7.
vi	The funds earmarked for environment management plan shall be include in the budget and this shall not be diverted for any other purpose.	The funds earmarked for environment management plan is included in the budget and this shall not be diverted for any other purpose.
5	The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.	Condition Noted and complied with.
6	Officials from the Regional Office of MoEF&CC at Chennai who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, Regional Office of MoEF&CC at Chennai.	Condition Noted and will be complied
7	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Condition Noted and will be complied.
8	The Ministry reserves the right to add additional safeguard measures	Condition Noted and will be complied.

	subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
9	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Condition Noted and will be complied.
10	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in . The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Chennai	<p>The Environmental Clearance (EC) for SIPCOT Industrial Park, Cheyyar, was issued on 30.09.2016. However, the Hard copy of the EC was officially received by SIPCOT on 06.10.2016, as there was no online communication. Following its receipt, the advertisement materials were submitted to the Public Relations Department on 08.10.2016. Accordingly, the newspaper advertisement was published in <i>Dinathanthi</i> and <i>The New Indian Express</i> on 14.10.2016.</p> <p>It is submitted that the advertisement was published within 7 working days from the date of receipt of the Environmental Clearance by SIPCOT, in line with the stipulated condition and the same is enclosed as Annexure 28</p>
11	This clearance is subject to final order	Condition Noted and will be complied.

	of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	
12	Any appeal against the clearance lies with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Nil
13	A copy of the clearance shall be sent by the proponent to the concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	A copy of the clearance was sent by SIPCOT to the concerned Local Body and the acknowledgement copy is enclosed as Annexure – 27 . Environment Clearance uploaded on the S I P C O T website is enclosed as Annexure – 28
14	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x , (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	SIPCOT has been uploading the status of compliance of the stipulated EC conditions, including results of monitored data on their website periodically. Screenshot of compliance report uploaded in our website along with monitoring data is enclosed as Annexure 25 . Additionally, it has been submitted to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x , (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project is being monitored and displayed at near the main gate of the individual industries in the public domain. Same is enclosed as Annexure - 30
15	The environmental statement for each	The environmental statement for each

	<p>financial year ending 31st March in Form-Vas is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules,1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.</p>	<p>financial year ending 31st March in Form - V is being submitted to TNPCCB and the acknowledgment is attached as Annexure - 29</p>
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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. Hubert Enviro Care Systems Pvt. Ltd for the period of October 2024 to March 2025.

5.1 Ambient Air Quality monitoring

During construction phase, particulate matter and gaseous emissions are likely to arise from the site movement of vehicles, operation of DG sets etc., the ambient air quality parameters such as suspended Particulate matter (PM10), Respirable Particulate matter (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx), Ammonia, Ozone and Carbon monoxide were monitored. The test report of ambient air quality for the period of October 2024 to March 2025 is enclosed as **Annexure - 13**.

5.2 Ambient Noise level monitoring

Ambient noise levels were monitored and the test report of ambient noise recorded during the period of October 2024 to March 2025 is enclosed as **Annexure - 13**.

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 2024 to March 2025 is enclosed as **Annexure - 13**.

5.4 Ground water quality monitoring

Ground water was tested for various water quality parameters during the period of October 2024 to March 2025. The test report of ground water collected and analysed is enclosed as **Annexure - 13**.

5.5 Surface water quality monitoring

The surface water was collected and tested for various water quality parameters during the period of October 2024 to March 2025. The test report of surface water collected and analyzed is enclosed as **Annexure- 13**.

Environmental monitoring photograph is enclosed as **Annexure 33**

6.0 CONCLUSION

1. The environmental monitoring was carried out at site during the period October 2024 to March 2025
2. All the conditions stipulated in Environmental Clearance are being/ will be complied.



Dr. RAJKUMAR SAMUEL
Director Technical

Name : Dr. Rajkumar Samuel

Designation : Director Technical

**Company Name: Hubert Enviro Care Systems
Private Limited.**

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

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

Dated: 30th September, 2016

To

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

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

Sir,

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

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

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

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

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

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

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

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

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

PART A - SPECIFIC CONDITIONS

I. Construction Phase

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

- (iv) Special purpose vehicle shall be established for implementation monitoring and compliance of the environmental safeguards.
- (v) All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.
- (vi) The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent before taking into the CETP for further treatment.
- (vii) Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.
- (viii) Member industries shall treat the effluent to meet the prescribed CETP inlet norms.
- (ix) The project proponent shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest for improvements.
- (x) Internal Road widths within the industrial area shall be minimum 24 m ROW.
- (xi) Common facilities such as repair shops, rest rooms for drivers and attendants shall be provided.
- (xii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (xiii) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (xiv) Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
- (xv) Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.
- (xvi) Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xvii) The diesel generator sets to be used during development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- (xviii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.

- (xix) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xx) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during development/ construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- (xxi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.
- (xxii) Ready mixed concrete must be used in site development and building construction.
- (xxiii) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xxiv) Water demand during development/construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxv) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxvi) Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
- (xxvii) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxviii) Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on airconditioning. If necessary, use high quality low E value glass.
- (xxix) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxx) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all airconditioned spaces while it is aspirational for non-airconditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxi) The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
- (xxxii) Regular supervision of the above and other measures for monitoring should be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.

- (xxxiii) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- (xxxiv) The responses/commitments made to the issues raised during public hearing shall be complied with in letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.
- (xxxv) 2% of the project cost shall be earmarked for Corporate Environment Responsibility activities.
- (xxxvi) Necessary provision to develop facilities for disabled people shall be made under Corporate Environment Responsibility.
- (xxxvii) Corporate Environment Responsibility:
- a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
 - b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/ conditions.
 - c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
 - d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

II. Operation Phase

- (i) All the topsoil excavated during development/construction activities should be stored for use in horticulture/landscape development within the project site.
- (ii) Disposal of muck during development/construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (iii) The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- (v) Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary

- of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (vi) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
 - (vii) Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
 - (viii) Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 4 mts. above the highest ground water table.
 - (ix) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
 - (x) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading should be fully internalized and no public space should be utilized.
 - (xi) A Report on the energy conservation measures confirming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months time.
 - (xii) Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
 - (xiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

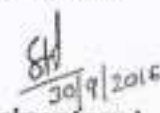
PART - B: GENERAL CONDITIONS

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

- vi) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purpose.
5. The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
6. Officials from the Regional Office of MoEF&CC at Chennai who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, Regional Office of MoEF&CC at Chennai.
7. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
8. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
9. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
10. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Chennai.
11. This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
12. Any appeal against the clearance lies with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
13. A copy of the clearance shall be sent by the proponent to the concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

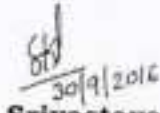
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

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


(S.K. Srivastava)
Scientist E

Copy to: -

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


(S.K. Srivastava)
Scientist E

Annexure - 2

Category of the Industry :

RED



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

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

SUB: TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK, CHEYYAR , S.F. No. 1 to 34,161,163,164 Pt,165 to 198 of Kunnavakkam Village, 222, 223, 225 to 228, 230 to 243, 253 & 255 of Karanai Village, 58 to 70, 285, 288 to 306, 315 to 359 of Mahajanapakkam Village, Cheyyar Taluk, 2, 5A & B, 6 to 10, 12B, 15 A & B, 16 A to C, 17 to 32, 122 (except 13,17), 123 to 139, 140 A & B, 141, 151, 204, 205, 239 to 242, 244 to 250, 410,411,416,417 & 419 & 420 of Sholavaram Village, 2 to 12, 13A, 42 to 47, 54 & 91 of Chellaperumbulimedu Village, 1 to 5, 6A & B, 7, 8, 9A to D, 10 to 12, 13 A & B, 14 A & B, 15,16, 17 A & B, 18, 19A to C, 20, 21A & B, 22 A & B, 23B4 to B6, C , D, 24, 25A,26 to 34, 35 Part, 36 to 44, 47 to 54, 56, 57, 69 to 71, 74 to76, 81 to 84, 139, 140, 146 & 147 of Perumbulimedu Village, 147 to 169, 170/1B2 to 1B5, 170/2pt, 3 pt & 4A1, 179/1, 2A to 2C, 3A to 3E, 4A to 4C, 180 to 182, 183/1, 2 pt, 3, 184 to 190, 191A, 192, 193, 194A, 371 to 376 of Mathur Village, 1, 2, 58A, 61A, 191, 218 & 219 of Mangal Village, 1A, 1B,2, 3, 4A & B, 5, 6A & B, 7A & B, 8A (except 8A/5), 11,12/1C, 2, 3pt, 4C1 to 4C9, 13 to 20, 22, 23 pt(except 6A,6B), 24/1 pt to 3 pt, 26 to 30 of Alinjalpattu Village, 1 to 3 , 8, 19 & 21 of , UKKAMPERUMBAKKAM village, Vembakkam Taluk and Tiruvannamalai District - for the establishment or take steps to establish the industry under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987(Central Act. 14 of 1981)-Issued -Reg.

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

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

The Managing Director,

M/s . SIPCOT INDUSTRIAL PARK, CHEYYAR

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

UKKAMPERUMBAKKAM Village,

Vembakkam Taluk,

Tiruvannamalai District.

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

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

B, 16 A to C, 17 to 32, 122 (except 13,17), 123 to 139, 140 A & B, 141, 151, 204, 205, 239 to 242, 244 to 250, 410,411,416,417 & 419 & 420 of Sholavaram Village, 2 to 12, 13A, 42 to 47, 54 & 91 of Chellaperumbulimedu Village, 1 to 5, 6A & B, 7, 8, 9A to D, 10 to 12, 13 A & B, 14 A & B, 15,16, 17 A & B, 18, 19A to C, 20, 21A & B, 22 A & B, 23B4 to B6, C , D, 24, 25A,26 to 34, 35 Part, 36 to 44, 47 to 54, 56, 57, 69 to 71, 74 to76, 81 to 84, 139, 140, 146 & 147 of Perumbulimedu Village, 147 to 169, 170/1B2 to 1B5, 170/2pt, 3 pt & 4A1, 179/1, 2A to 2C, 3A to 3E, 4A to 4C, 180 to 182, 183/1, 2 pt, 3, 184 to 190, 191A, 192, 193, 194A, 371 to 376 of Mathur Village, 1, 2, 58A, 61A, 191, 218 & 219 of Mangal Village, 1A, 1B,2, 3, 4A & B, 5, 6A & B, 7A & B, 8A (except 8A/5), 11,12/1C, 2, 3pt, 4C1 to 4C9, 13 to 20, 22, 23 pt(except 6A,6B), 24/1 pt to 3 pt, 26 to 30 of Alinjalpattu Village, 1 to 3 , 8, 19 & 21 of ,

UKKAMPERUMBAKKAM Village,
Vembakkam Taluk,
Tiruvannamalai District.

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

RATNAM
VIJAYABASKARAN

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Date: 2022.06.01 12:05:59 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.SIPCOT INDUSTRIAL PARK, CHEYYAR,
State Industries Promotion Corporation of Tamilnadu Limited, 19-A, Rukmani Lakshmipathy Road, Post Box No. 7223, Egmore,
Chennai
,
Pin: 600008

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

SPECIAL CONDITIONS

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

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

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

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

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

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

RATNAM
VIJAYABASKARAN

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

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

GENERAL CONDITIONS

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

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Date: 2022.06.01 12:06:56 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Category of the Industry :

RED



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

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

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

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

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

The Managing Director,
SIPCOT INDUSTRIAL PARK, CHEYYAR

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

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

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

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

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

To
The Managing Director,
M/s.SIPCOT INDUSTRIAL PARK, CHEYYAR,
State Industries Promotion Corporation of Tamilnadu Limited, 19-A, Rukmani Lakshmipathy Road, Post Box No. 7223, Egmore,
Chennai
,
Pin: 600008

Copy to:

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

SPECIAL CONDITIONS

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

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

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

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

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

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

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

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

RATNAM

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Date: 2022.06.01 14:00:45 +05'30'

For Member Secretary,

Tamil Nadu Pollution Control Board,

Chennai

GENERAL CONDITIONS

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

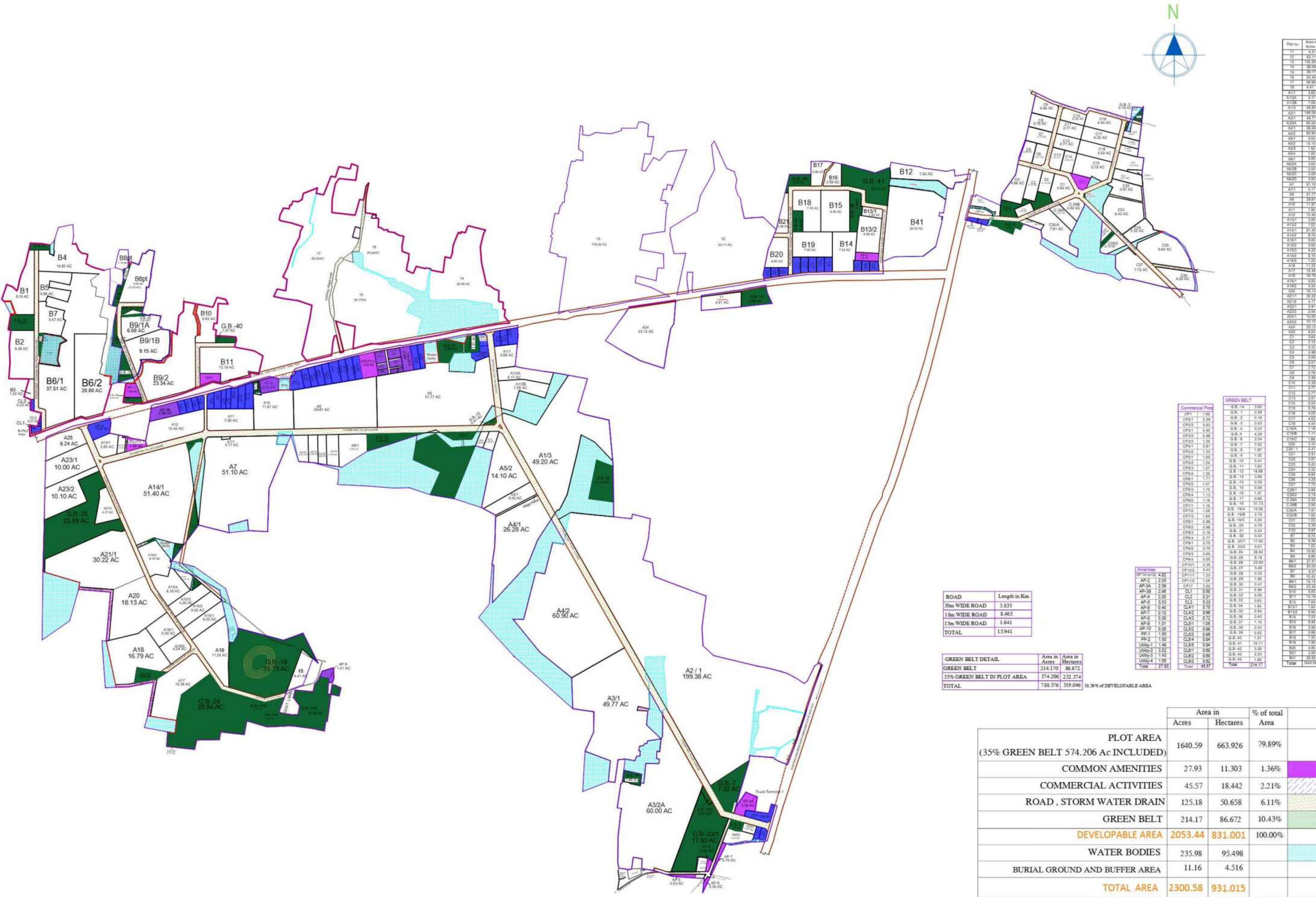
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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

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

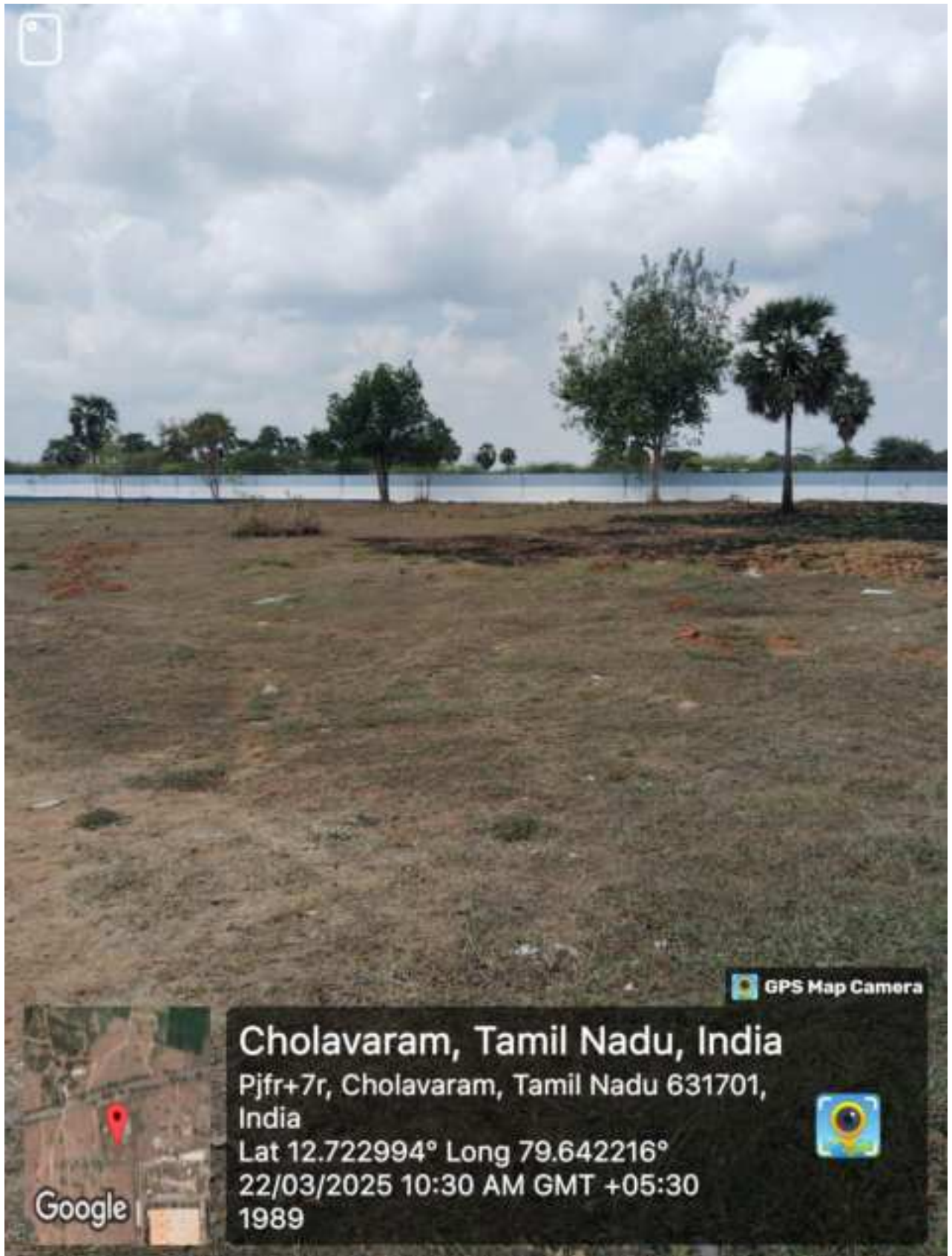
Annexure - 3



SIPCOT-GREENBELT







Cholavaram, Tamil Nadu, India

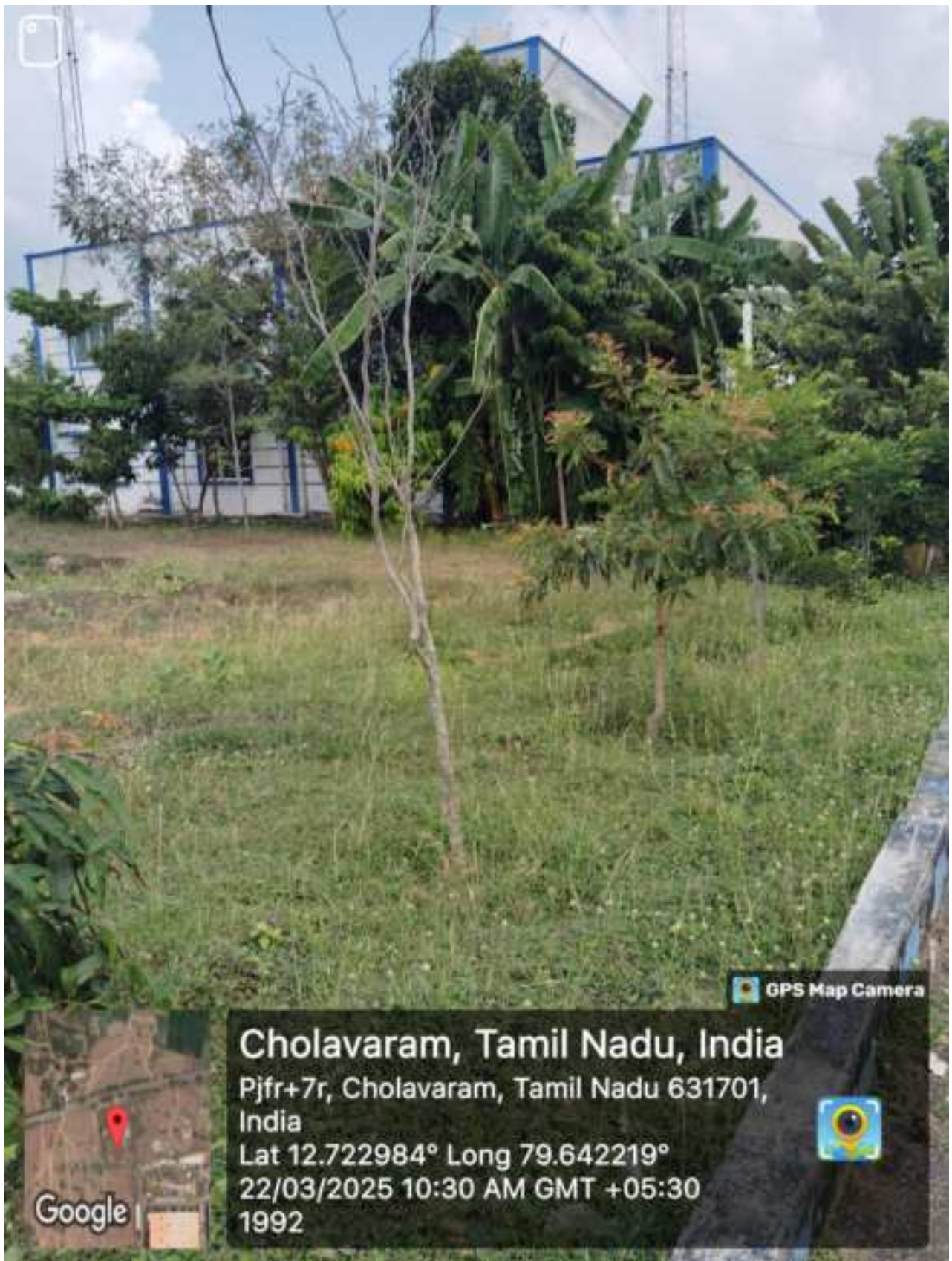
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India

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Cholavaram, Tamil Nadu, India

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India

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INDIVIDUAL INDUSTRIES – GREENBELT



Grasim - Greenbelt development







AUTOLIV – ETP



GLOBAL PHARMA – ETP



SCHWING STETTER-ETP



AUTOLIV-STP



GLOBAL PHARMA - STP



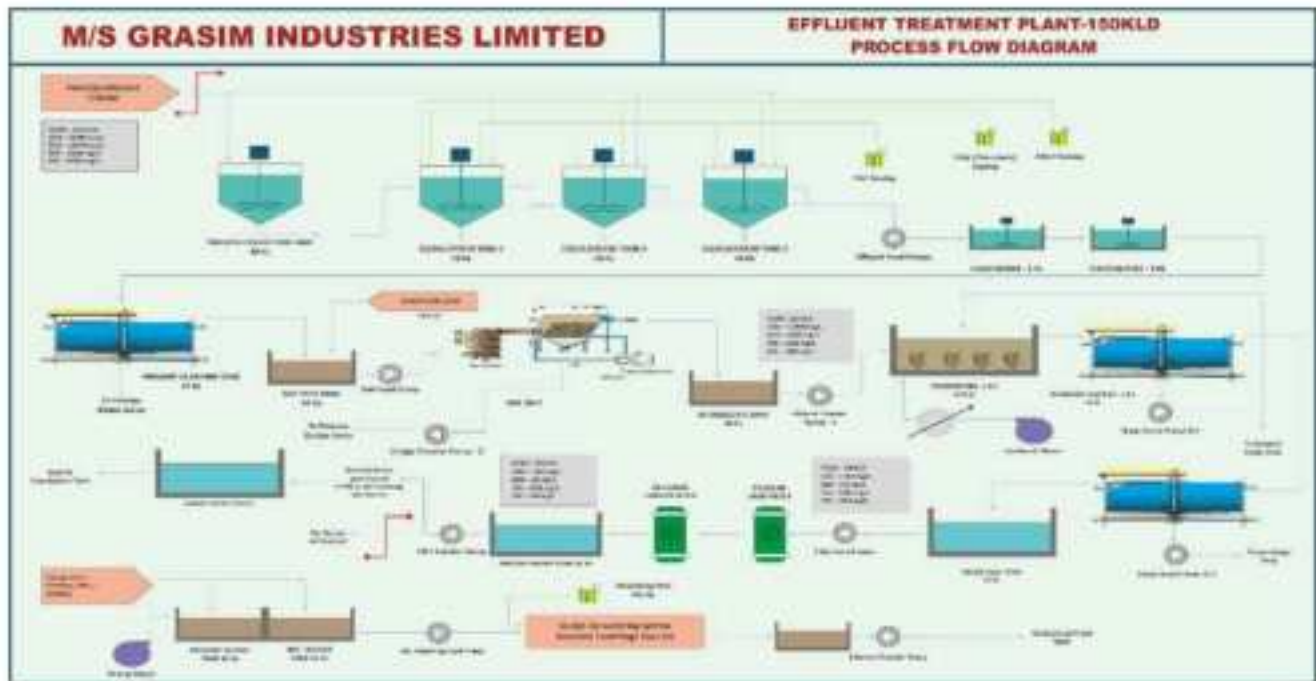
Grasim ZLD plant

ZLD FACILITY

Installed a Zero Liquid Discharge (ZLD) facility in our paint industry marks a pivotal stride toward realizing 100% recycling. This system ensures the comprehensive treatment and reuse of all wastewaters generated during our paint manufacturing processes. By implementing ZLD, we significantly diminish our environmental footprint while optimizing the utilization of resources. Compliance with regulatory standards is not only met but exceeded, underscoring our unwavering dedication to sustainability and responsible industrial practices.

1. 100 KLD OF ACTIVATED SLUDGE PROCESS TREATMENT
2. 100 KLD DT RO Plant
3. 15 KLD of MEE & ATFD

EFFLUENT TREATMENT PLANT- PROCESS FLOW DIAGRAM



EFFLUENT TREATMENT PLANT PROCESS

Equalization/ Neutralization Tanks

Process effluents (emulsion, wash water, barrel decontamination, scrubber and WTP) will be received in four Equalization cum Neutralization Tanks. Backwash from PSF and ACF, centrate from primary & secondary decanters, overflow and drains generated & collected in centrate sump shall be routed in the equalization / neutralization tanks.

Flash Mixing Tank, Flocculator & Primary Clarifier

Effluent will be received in flash mixing tank followed by flocculator. Flash mixing tank and flocculator shall be in Reinforced Cement Concrete with Epoxy Painting (RCCEP) construction and the agitators shall be in SS316. Effluent from the flash mixing tank & flocculator shall gravitate into primary clarifier wherein suspended solids shall be removed.

Dissolved Air Floatation (DAF)

DAF shall further reduce the TSS and floating matter in the effluent. DAF system shall be designed and operated in the recycle flow pressurization mode where a portion of clarified effluent shall be continuously recycled; Supernatant from DAF system will be mixed with utility effluent in the Intermediate Storage Tank for further treatment.

Biological Treatment

Two stage activated biological treatment is provided for the reduction of COD and BOD . Two stage activated sludge process shall be considered for treatment employing Aeration tanks and Clarifiers. Both aeration tanks are provided with Bio-clarifiers and recirculation pumps for the Bio sludge recirculation. Nutrient dosing is provided in aeration tank 1&2.

Secondary Clarifier – 1 and 2

Secondary Clarifier tanks will be in RCC construction and the mechanisms shall be in MSEP construction. FRP Feed well is provided at the center of the clarifier mechanism. Secondary Clarifiers shall be complete with central driven mechanism to be mounted on RCC platform of the circular clarifier tanks . equipped with torque overload switches

Tertiary Clarifier

Tertiary Clarifier shall aid in further reduction of organic/refractory load by chemical treatment. Coagulant and flocculant dosing through static mixer shall be carried out in Tertiary Clarifier

Filter Feed Tank

The clarified effluent from tertiary clarifier shall be collected in RCC Filter Feed Tank. Sodium hypochlorite shall be dosed in this tank for disinfection of the effluent.

In case of Sodium Hypochlorite dosing, Filter Feed Tank would be provided with baffle arrangement to ensure mixing of effluent and sodium hypochlorite.

Media Filtration [(PSF) followed by Activated Carbon Filter (ACF)]

PSF and ACF shall reduce suspended particles, turbidity, residual organics and other impurities from the effluent. The filter vessels shall be vertical in configuration with dished ends and shall be of MSEP construction. Suitable distribution systems shall be provided for both filters.

Treated Effluent Tank

Treated effluent tank shall receive the filtered effluent from ACF. Treated effluent tank shall be in Zinc Aluminum or similar MOC and included in purchaser scope. All the piping between tank and pumps, instrumentation in tank are not considered in our scope .

EQUALIZATION TANKS



AERATION TANKS- 1 & 2



PRIMARY, SECONDARY AND TERTIARY CLARIFIERS



DECANTER & DAF SYSTEM





CHEMICAL DOSING SYSTEM, PSF & ACF





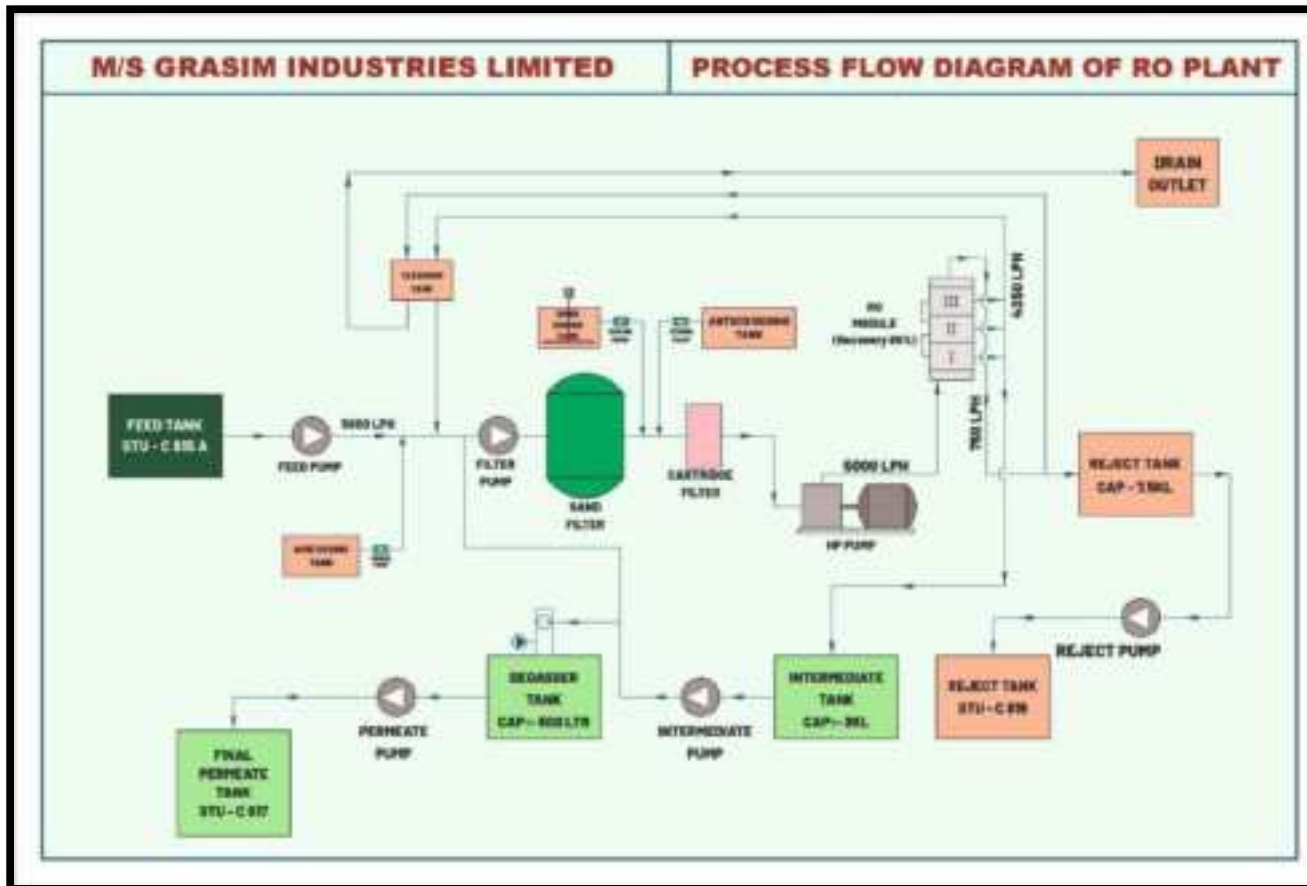
REVERSE OSMOSIS (DT-RO PLANT)

RO Plant Operation:

The treated effluent is pumped into the system by the pre - filter pump (Rochem Separation Ltd) at the inlet of the filter pump. The filter pump further ensures that sufficient pressure is maintained in the system for normal operation. The effluent water is then filtered by the sand filter and the cartridge filter which removes the foreign suspended materials. The filtered water is pressurized up to 60 bars by the high pressure pump.

The treated water from Biological treatment plant water is processed through RO-I, II & III respectively and the permeate water from the RO is recycled through non process / process applications. The reject from the RO I & II & III are sent to Multiple Effect Evaporator (MEE) for further processing. The permeate water from the RO meets the potable water specification on all physio chemical analysis

REVERSE OSMOSIS - PROCESS FLOW DIAGRAM





MULTIPLE EFFECT EVAPORATOR & AGITATED THIN FILM DRIER (MEE & ATFD)

Feed passes through shell and tube heat exchanger in the tubes. To start the evaporation process external steam is being provided to the shell side of the calandria for heating of the tubes. Due to conductive heat transfer, steam passes its latent heat to effluent and evaporation of water from the effluent takes place. A water-vapor mixture is being generated which goes to Vapor-Liquid Separator called VLS.

In VLS, vapor is separated from water vapor mixture by means of gravity. While the concentrated liquid is recirculated in the calandria by a recirculation pump. Now the pure water vapor from VLS is either condensed in condenser or will be used as a heating medium in subsequent effect. The vapor of the 1st effect is used as a Heating Source for the 2nd effect and so on up to designed effect. thus, similarly vapor from the initial effect used as a heating medium for the further effect. Thus, there is no steam is required individual effect except for the 1st effect.

SIPCOT -RAIN WATER HARVESTING



INDIVIDUAL INDUSTRIES - RAINWATER HARVESTING



GRASIM
STORM WATER AND ROOF WATER COLLECTION FACILITIES



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**.

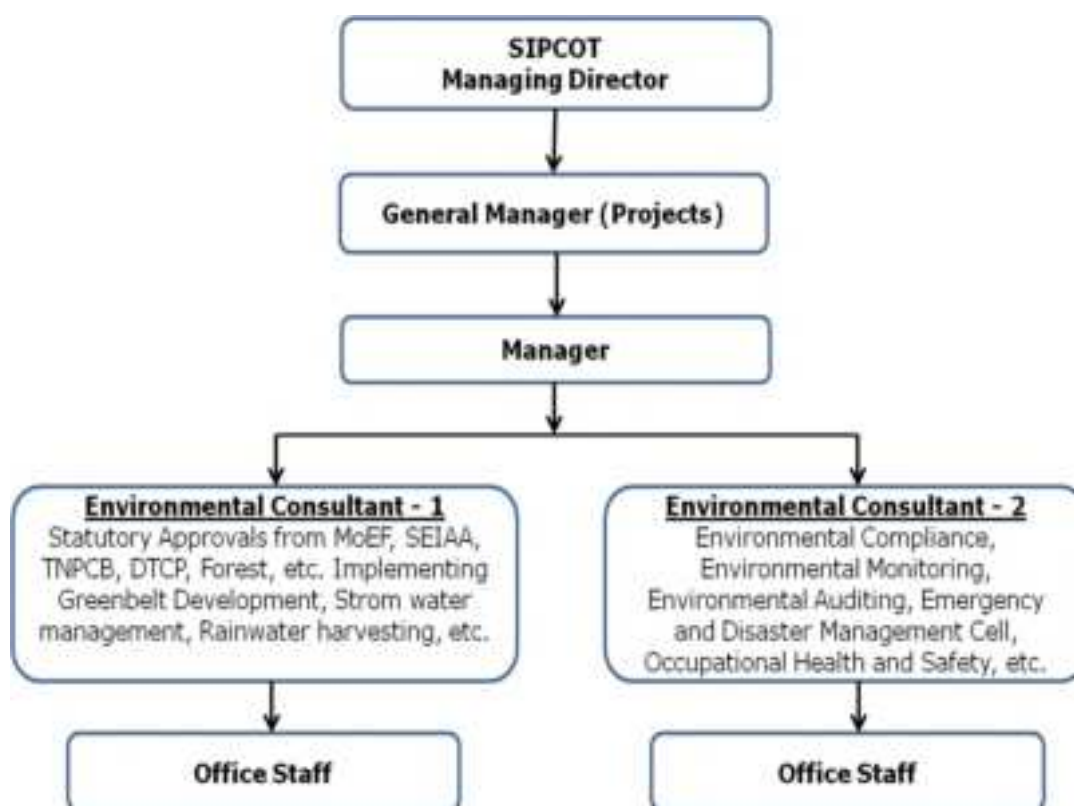


Figure - 1 Organogram for Environmental Management Cell

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	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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)	<ul style="list-style-type: none"> ➤ 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.

SOLID WASTE MANAGEMENT





SIPCOT – STORM WATER DRAIN





SIPCOT

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

Date: 19.11.2024

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

/RPAD/

Sir,

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

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

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

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

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

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

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

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

P.T.O.

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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



SIPCOT

/2/

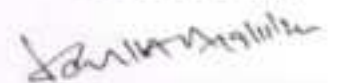
management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, etc. Further, it is stated that these activities are to be carried out only in the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

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

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

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

Yours faithfully,


MANAGING DIRECTOR

Encl: As above.

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



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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

ROAD AREA

Annexure - 11



TOILET FOR CONSTRUCTION WORKERS Annexure - 12



Hubert Enviro Care Systems (P) Ltd.

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Laboratory Services Division

(Chemical & Biological Testing)
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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Area

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULN : TC1231025000016409F

Report No. : HECS/AP/019/220325

Sample ID No : 220325145

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No. 01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No. 01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	ug/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene	ug/m ³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH ₃	ug/m ³	9.66	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO ₂	ug/m ³	19.49	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O ₃	ug/m ³	14.49	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	ug/m ³	88.54	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	ug/m ³	33.92	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO ₂	ug/m ³	13.34	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	ug/m ³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No. 01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ug/m³- Micrograms per cubic meter, mg/m³- Milligrams per cubic meter, ng/m³- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report

D.Amshya
Lab Manager
Authorized Signatory



Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,

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Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Area

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/019/220325/N

Sample ID No : 220325145

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.01 Issue Date:02-07-2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report



D.Anusuya

Lab Manager

Authorized Signatory

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016410F

Report No. : HECS/AP/020/220325

Sample ID No : 220325146

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	µg/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene	ng/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH ₃	µg/m ³	BLQ(LOQ: 5)	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m ³	BLQ(LOQ: 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO ₂	µg/m ³	13.39	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O ₃	µg/m ³	BLQ(LOQ: 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m ³	87.64	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m ³	28.33	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO ₂	µg/m ³	8.43	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m ³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³- Milligrams per cubic meter, ng/m³- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report

D.Amavaya

Lab Manager

Authorized Signatory



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Laboratory Services Division(Chemical & Biological Testing)
Recognized by CPCB (MoEF & CC)
BIS, FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Cheyyar
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Mennalur
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/020/220325/N
Sample ID No : 220325146
Sampling Date : 22/03/2025
Received Date : 22/03/2025
Commenced Date : 22/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.01 Issue Date:02.07.2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report

D. Anusuya
Lab Manager
Authorized Signatory

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavaikkam

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016411F

Report No. : HECS/AP/021/220325

Sample ID No : 220325147

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	ug/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzene (a) pyrene	ng/m ³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	ug/m ³	6.79	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxide as NO2	ug/m ³	14.70	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	ug/m ³	12.20	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	ug/m ³	93.92	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	ug/m ³	30.75	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	ug/m ³	9.06	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	ug/m ³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ug/m³- Micrograms per cubic meter, ng/m³- Milligrams per cubic meter, ug/m³- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report

D.Anusuya
Lab Manager
Authorized Signatory



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Laboratory Services Division

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Cheyyar
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Kunnavaikkam
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/021/220325/N
Sample ID No : 220325147
Sampling Date : 22/03/2025
Received Date : 22/03/2025
Commenced Date : 22/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No. 01 Issue Date: 02/07/2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report

D. Annaya
Lab Manager
Authorized Signatory



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mathur

Environmental Condition : Temperature (°C) : 31.0 | Humidity (%) : 55.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

U/LR : TC1231025000016412F

Report No : HECS/AP/022/220325

Sample ID No : 220325148

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	µg/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene	ng/m ³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH ₃	µg/m ³	8.15	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO ₂	µg/m ³	21.01	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O ₃	µg/m ³	16.61	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m ³	89.57	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m ³	34.26	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO ₂	µg/m ³	14.61	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m ³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³- Milligrams per cubic meter, ng/m³- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report

D.Amsoya
Lab Manager
Authorized Signatory



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(Chemical & Biological Testing)

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Cheyyar
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Mathur
Environmental Condition : Temperature (°C) : 31.0 | Humidity (%) : 55.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/022/220325/N
Sample ID No : 220325148
Sampling Date : 22/03/2025
Received Date : 22/03/2025
Commenced Date : 22/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV-AAQ-SOP/005 Issue No. 01 Issue Date 02.07.2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report

D.Anusuya
Lab Manager
Authorized Signatory



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016413F

Report No. : HECS/AP/023/220325

Sample ID No : 220325149

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No. 01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m ³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No. 01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	µg/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benz[a] pyrene	ng/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH ₃	µg/m ³	BLQ(LOQ:5)	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m ³	BLQ(LOQ:0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO ₂	µg/m ³	12.53	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O ₃	µg/m ³	BLQ(LOQ:10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m ³	90.92	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m ³	26.98	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO ₂	µg/m ³	7.83	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m ³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No. 01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³- Milligrams per cubic meter, ng/m³- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report

D. Anusuya

Lab Manager

Authorized Signatory



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/023/220325/N

Sample ID No. : 220325149

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No. 01 Issue Date 02/07/2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report

D.Anusuya

Lab Manager

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**TEST REPORT**

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavakkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TC1231025000016549F

Report No. : HECSL/WT/101/220325

Sample ID No : 220325151

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	427.0	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	144.29	IS 3025 Part 40: 1991(1,171A Titrimetric Method)	25	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	282.08	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Ser 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	1910.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.45	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.046	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	55.89	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	31.48	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	7.12	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation

D.Anusuya
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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavakkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TCT231025000016549F

Report No. : HECSL/WT/101/220325

Sample ID No : 220325151

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	12.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	130.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	108.33	IS 3025 Part 24 Sec 1: 2012 (Turbidity Method & Turbidity Method)	300	400
17	Total dissolved solids	mg/l	993.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	590.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
24	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
25	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5
26	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation



D.Anusuya
Lab Manager
Authorized Signatory

**TEST REPORT**

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavakkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016549F

Report No. : HECSL/WT/101/220325

Sample ID No : 220325151

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
28	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
29	Fluoride	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
30	Phenolic compounds as C ₆ H ₅ OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
31	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
32	Percent Sodium	%	31.70	HECS /WT/SOP002: 2019	NA	NA
33	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
34	Residual Sodium Carbonate	meq/l	BLQ (LOQ: 1.0)	IS 11624: 2019	0.2	1.0
35	Ammonia as NH ₃	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34 Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio (SAR)	Square root of (millimole/litre)	2.3	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.5	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA

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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavaikham

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016549F

Report No. : HECST/WT/101/220325

Sample ID No : 220325151

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No calculation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO3	mg/l	350.0	IS 3025 (Part 23): 1986	200	600

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report

D.Anusuya

Lab Manager

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavaikkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

Report No : HECS/LWT/101/220325/N

Sample ID No : 220325151

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

End of Report



D. Anusuya

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**TEST REPORT**

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016550F

Report No. : HECSL/WT/102/220325

Sample ID No : 220325152

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bicarbonate	mg/l	390.4	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	164.33	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	173.2	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	1450.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.42	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.038	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	24.30	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	29.95	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	7.05	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation

D. Anusuya
Lab Manager
Authorized Signatory



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HECS-G/Q/FMT/049

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**TEST REPORT**

Page: 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016550F

Report No. : HECSL/WT/102/220325

Sample ID No : 220325152

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	9.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	80.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	93.82	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method/ Turbidity Method)	200	400
17	Total dissolved solids	mg/l	785.0	IS 3025 (Part 16): 1984	300	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorus as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	510.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
24	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
25	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5
26	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016550F

Report No. : HECSL/WT/102/220325

Sample ID No : 220325152

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
28	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
29	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
30	Phenolic compounds as CMHSOH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
31	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B - C): 2017	0.2	1
32	Percent Sodium	%	24.93	HECS /WT/SOP/002: 2019	NA	NA
33	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
34	Residual Sodium Carbonate	meq/l	BLQ (LOQ: 1.0)	IS 11624: 2019	0.2	1.0
35	Ammonia as NH3	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34 Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio(SAR)	Square root of (millimole/litre)	1.5	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.6	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016550F
Report No. : HECSL/WT/102/220325
Sample ID No : 220325152
Sampling Date : 22/03/2025

Received Date : 22/03/2025
Commenced Date : 22/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen Demand (BOD) ₅ @ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Phosphorus as PO ₄	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO ₃	mg/l	320.0	IS 3025 (Part 23): 1986	200	600

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SHPCOT
Address of the Client : Cheyyar
Group : Water
Sample Name : Ground Water
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Mennalur
Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 46.8
Sampling Method & Plan : IS 17614(Part-I):2021

Report No. : HECST/WT/102/220325/N
Sample ID No. : 220325152
Sampling Date : 22/03/2025
Received Date : 22/03/2025
Commenced Date: 22/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr ⁶⁺	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

End of Report



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TC1231025000016551F

Report No. : HEC/SL/WT/103/220325

Sample ID No : 220325153

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	597.8	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	88.18	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	153.41	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	1620.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.48	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.062	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	48.60	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	20.69	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	7.32	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation

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Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.L.R. : TC1231025000016551F

Report No. : HECSL/WT/103/220325

Sample ID No : 220325153

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	14.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	160.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	70.0	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method/ Turbidity Method)	200	400
17	Total dissolved solids	mg/l	877.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	2.0	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	0.174	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	420.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	0.7	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
24	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
25	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5
26	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation

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Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016551F

Report No. : HECSL/WT/103/220325

Sample ID No : 220325153

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
28	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
29	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
30	Phenolic compounds as C ₆ H ₅ OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
31	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
32	Percent Sodium	%	44.10	HECS /WT/SOP/002: 2019	NA	NA
33	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
34	Residual Sodium Carbonate	meq/l	1.3	IS 11624: 2019	0.2	1.0
35	Ammonia as NH ₃	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34: Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio (SAR)	Square root of (millimole/litre)	3.4	IS 11624: 2019	NA	NA
37	Dissolved oxygen	mg/l	6.4	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA

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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016551F

Report No : HEC/SL/WT/103/220325

Sample ID No : 220325153

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Phosphate as PO4	mg/l	0.174	IS 3025 Part 31: Sec 1: 2022	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO3	mg/l	490.0	IS 3025 (Part 23): 1986	200	600

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Cheyyar
Group : Water
Sample Name : Ground Water
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Pandiyambakkam
Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0
Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/103/220325/N
Sample ID No : 220325153
Sampling Date : 22/03/2025
Received Date : 22/03/2025
Commenced Date: 22/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr ⁶⁺	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

End of Report



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**TEST REPORT**

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Lake Near Mamandur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TC1231025000016670F

Report No. : HECSL/WT/104/220325

Sample ID No. : 220325154

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Total alkalinity as CaCO ₃	mg/l	170.0	IS 3025 Part 23: 1986	NA
2	Bi carbonate	mg/l	207.4	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD ₅) 27°C For 3 days	mg/l	3.0	IS 3025 Part 44: 1992	30
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	44.09	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	NA
6	Chemical Oxygen Demand (COD)	mg/l	24.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	183.1	IS 3025 Part 32: 1988 (Argentometric Method)	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	5.9	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µS/cm	1084.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.37	APHA 23rd edition Method 4500 F -B.D: 2017	2.0
12	Iron as Fe	mg/l	0.16	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO ₃	mg/l	4.12	APHA 23rd edition Method 4500 NO ₃ B: 2017	NA

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Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Lake Near Mamandur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016670F

Report No. : HECSL/WT/104/220325

Sample ID No : 220325154

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	APHA 23rd edition Method 4500-P B, D : 2017	NA
17	pH at 25°C	-	8.49	IS 3025 Part 11: 2022 (Electrometric Method)	5.5 - 9.0
18	Total dissolved solids	mg/l	359.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	29.16	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	NA
22	Potassium as K	mg/l	10.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	112.0	IS 3025 Part 45: 1983	NA
24	Sulphate as SO4	mg/l	60.64	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBSA5	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B , C: 2017	NA

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Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Lake Near Mamandur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016670F

Report No. : HECSL/WT/104/220325

Sample ID No : 220325154

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 L, litres

S.No	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Percent Sodium	%	49.89	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12- 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	BLQ (LOQ: 1.0)	IS 11624: 2019	NA
30	Ammonia as NH3	mg/l	0.42	IS 3025 Part 34 Sec 2: 2021	50
31	Sodium Adsorption Ratio(SAR)	Square root of (millimole/litre)	3.20	IS 11624: 2019	NA
32	Total Hardness as CaCO3	mg/l	230.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	7.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	3.4	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0

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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Lake Near Mamandur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016670F

Report No : HECSL/WT/104/220325

Sample ID No : 220325154

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
40	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
41	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.01
42	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.0
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5.0

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Lake Near Mamandur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

Report No : HECSL/WT/104/220325/N

Sample ID No : 220325154

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VT)
Discipline : Chemical					
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003	0.1

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification. mg/l: milligram per Litre, % - Percentage.

End of Report

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TEST REPORT

Page: 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mangal Lake

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016671F

Report No : HECSL/WT/105/220325

Sample ID No : 220325155

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Total alkalinity as CaCO ₃	mg/l	100.0	IS 3025 Part 23: 1986	NA
2	Bi carbonate	mg/l	122.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD) ₅ 27°C For 5 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	10
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Carcamin Method)	NA
5	Calcium as Ca	mg/l	24.05	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	NA
6	Chemical Oxygen Demand (COD)	mg/l	12.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	76.7	IS 3025 Part 32: 1988 (Argentometric Method)	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	6.1	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µS/cm	465.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.28	APHA 23rd edition Method 4500 F -B.D: 2017	2.0
12	Iron as Fe	mg/l	0.13	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO ₃	mg/l	5.41	APHA 23rd edition Method 4500 NO ₃ B: 2017	NA

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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mangal Lake

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000816671F

Report No. : HECSL/WT/105/220325

Sample ID No : 220325155

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO4	mg/l	BLQ (LOQ: 0.02)	APHA 23rd edition Method 4500-P B.D. 2017	NA
17	pH at 25°C	-	8.91	IS 3025 Part 11: 2022 (Electrometric Method)	5.5 - 9.0
18	Total dissolved solids	mg/l	242.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	40.0	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ (LOQ: 0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	19.44	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	NA
22	Potassium as K	mg/l	4.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	34.0	IS 3025 Part 45: 1983	NA
24	Sulphate as SO4	mg/l	4.31	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C6H5OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition Method 5540 B, C: 2017	NA



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mangal Lake

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016671F

Report No. : HECSL/WT/105/220325

Sample ID No : 220325155

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Percent Sodium	%	33.57	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12- 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	BLQ (LOQ: 1.0)	IS 11624: 2019	NA
30	Aluminium as NH3	mg/l	0.35	IS 3025 Part 34 Sec 2: 2021	50
31	Sodium Adsorption Ratio(SAR)	Square root of (millimole/litre)	1.24	IS 11624: 2019	NA
32	Total Hardness as CaCO3	mg/l	140.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	4.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	1.7	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mangal Lake

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.L.R : TC1231025000016671F

Report No. : HECSL/WT/105/220325

Sample ID No : 220325155

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
40	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
41	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.01
42	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.0
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5.0

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mangal Lake

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/105/220325/N

Sample ID No : 220325155

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003	0.1

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report

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**TEST REPORT**

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Area

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017056F

Report No. : HECS/PF/013/220325

Sample ID No. : 220325156

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP- 042 Issue No.01 Issue Date:01.03.2021
2	Chromium	mg/Kg	73.48	HECS-G/INS/SOP/042 Issue No.01 Issue Date:01.03.2021
3	Copper	mg/Kg	10.64	HECS-G/INS/SOP- 042 Issue No.01 Issue Date:01.03.2021
4	Zinc	mg/Kg	30.16	HECS-G/INS/SOP- 042 Issue No.01 Issue Date:01.03.2021
5	Soil Texture	-	Silt Inam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	29.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	54.8	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	15.6	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.56	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	132.4	IS 14767: 2000
11	Bulk Density	gm/cm3	1.03	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.27	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.47	IS 2720 (Part 22) Section I 1972

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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Area

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017056F

Report No : HECS/PE/013/220325

Sample ID No : 220325156

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorous as P	µg/g	9.96	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	20.30	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0000	IS 14684 Clause 4 1999
18	Exchangeable Calcium as Ca	mEq/L	7.85	FAO of United Nations, Rome Chapter - III 2008
19	Exchangeable Magnesium as Mg	mEq/L	11.78	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.2	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	32.8	IS 14765: 2000
22	Colour	-	Red	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage.

End of Report

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Cheyyar
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Project Area
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0
Sampling Method & Plan : ICARDA : 2013

Report No. : HECS/PE/013/220325/N
Sample ID No : 220325156
Sampling Date : 22/03/2025
Received Date : 22/03/2025
Commenced Date : 22/03/2025
Completed On : 07/04/2025
Report Date : 07/04/2025
Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.67	HECS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date: 02.07. 2020
2	Manganese	mg/kg	187.68	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	9.22	Inhouse method
4	Infiltration Rate	-	1.5	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

End of Report



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**TEST REPORT**

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017057F

Report No : HECS/PE/014/220325

Sample ID No : 220325157

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
2	Chromium	mg/Kg	24.17	HECS-G/INS/SOP/042 Issue No. 01 Issue Date: 01.03.2021
3	Copper	mg/Kg	38.57	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
4	Zinc	mg/kg	17.46	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	22.4	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	40.6	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	36.8	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 °C (1 : 2.5)	-	7.78	IS 2720 (Part - 26) 1987
10	Electrical conductivity @ 25 °C (1 : 2)	µS/cm	93.6	IS 14767: 2000
11	Bulk Density	gm/cm ³	1.00	FAO of United Nations Rome: 2007
12	Organic Carbon	%	0.26	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.46	IS 2720 (Part 22) Section 1 1972

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**TEST REPORT**

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017057F

Report No. : HECS/PE/014/220325

Sample ID No : 220325157

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorus as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	35.63	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/01R Issue No.01 Issue Date:02/07/2020
17	Total Nitrogen as N	%	0.0103	IS 14694 Class 4 1999
18	Exchangeable Calcium as Ca	mEq/L	15.89	FAO of United Nations, Rome Chapter - III 2008
19	Exchangeable Magnesium as Mg	mEq/L	2.94	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.7	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	18.8	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/01R Issue No.01 Issue Date:02/07/2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage.

End of Report

D.Anusuya

Lab Manager

Authorized Signatory



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Laboratory Services Division

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mennalur

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

Report No. : HECS/PE/014/220325/N

Sample ID No : 220325157

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	1.60	HECS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date: 02-07-2020
2	Manganese	mg/kg	167.91	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	3.37	Inhouse method
4	Infiltration Rate	-	0.6	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

End of Report

D. Anusuya

Lab Manager

Authorized Signatory



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavakkam

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

ULR : TCT231025000017058F

Report No : HECS/PE/015/220325

Sample ID No : 220325158

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
2	Chromium	mg/Kg	25.93	HECS-G/INS/SOP/042 Issue No. 01 Issue Date: 01.03.2021
3	Copper	mg/Kg	42.81	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
4	Zinc	mg/Kg	18.20	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	20.8	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	43.6	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	35.6	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 °C (1 : 2.5)	-	7.94	IS 2720 (Part - 26) 1987
10	Electrical conductivity @ 25 °C (1 : 2)	µS/cm	156.0	IS 14767: 2000
11	Bulk Density	gm/cm ³	0.98	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.34	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.59	IS 2720 (Part 22) Section I 1972



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavaikkam

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017058F

Report No. : HECS/PE/015/220325

Sample ID No : 220325158

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	16.59	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0893	IS 14634 Clause 4 1999
18	Exchangeable Calcium as Ca	mEq/L	11.74	FAO of United Nations, Rome Chapter - III 2008
19	Exchangeable Magnesium as Mg	mEq/L	7.83	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.1	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	17.8	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnavaikkam

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

Report No. : HECS/PE/015/220325/N

Sample ID No : 220325158

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date: 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	2.69	HECS-G/ENV/SSW/SOP/003 Issue No.01 Issue Date:02.07. 2020
2	Manganese	mg/kg	161.5	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	6.16	Inhouse method
4	Infestation Rate	-	0.5	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

End of Report

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Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mathur

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017126F

Report No : HECS/PE/016/220325

Sample ID No : 220325159

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
2	Chromium	mg/Kg	32.85	HECS-G/INS/SOP/042 Issue No. 01 Issue Date: 01.03.2021
3	Copper	mg/Kg	26.68	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
4	Zinc	mg/Kg	73.03	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
5	Soil Texture	-	Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	28.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	46.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	25.0	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.04	IS 2720 (Part - 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	115.2	IS 14767: 2000
11	Bulk Density	gm/cm ³	0.97	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.68	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	1.17	IS 2720 (Part 22) Section I 1972



D. Anusaya

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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Mathur

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017126F

Report No : HECS/PE/016/220325

Sample ID No : 220325159

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorus as P	µg/g	9.28	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	15.08	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0149	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	11.22	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	3.90	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	1.7	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	30.4	IS 14765: 2000
22	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage.

End of Report

D.Anusuya

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Cheyyar
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Mathur
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0
Sampling Method & Plan : ICARDA : 2013

Report No : HECS/PE/016/220325/N
Sample ID No : 220325159
Sampling Date : 22/03/2025
Received Date : 22/03/2025
Commenced Date : 22/03/2025
Completed On : 07/04/2025
Report Date : 07/04/2025
Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	9.68	HECS-G/ENV/SSW/SOP/003 Issue No.01 Issue Date:02.07. 2020
2	Manganese	mg/kg	115.44	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	7.13	Inhouse method
4	Infiltration Rate		0.9	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

End of Report



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000017059F

Report No : HECS/PE/017/220325

Sample ID No : 220325160

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP-042 Issue No. 01 Issue Date: 01.03.2021
2	Chromium	mg/Kg	17.90	HECS-G/INS/SOP/042 Issue No. 01 Issue Date: 01.03.2021
3	Copper	mg/Kg	38.13	HECS-G/INS/SOP-042 Issue No. 01 Issue Date: 01.03.2021
4	Zinc	mg/Kg	22.63	HECS-G/INS/SOP-042 Issue No. 01 Issue Date: 01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	24.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	42.8	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	32.6	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.86	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	64.2	IS 14767: 2000
11	Bulk Density	gm/cm ³	0.99	FAO of United Nations, Rome: 2007
12	Organic Carbon	%	0.15	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.52	IS 2720 (Part 22) Section I 1972

D. Anusuya

Lab Manager

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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pandiyambakkam

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

U/LR : TC1231025000017059F

Report No. : HECS/PE/017/220325

Sample ID No : 220325160

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorus as P	µg/g	8.11	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	15.80	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0090	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	11.91	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	11.91	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.5	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	17.8	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage.

End of Report

D.Anusuya
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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
 Address of the Client : Cheyyar
 Group : Pollution & Environment
 Sample Name : Soil
 Sample Mark : NA
 Sample Reference : NA
 Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
 Sample Location : Pandiyambakkam
 Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0
 Sampling Method & Plan : ICARDA : 2013

Report No. : HECS/PE/017/220325/N
 Sample ID No : 220325160
 Sampling Date : 22/03/2025
 Received Date : 22/03/2025
 Commenced Date : 22/03/2025
 Completed On : 07/04/2025
 Report Date : 07/04/2025
 Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.20	HECS-G/ENV/SSW/SOP/003 Issue No.01 Issue Date:02.07. 2020
2	Manganese	mg/kg.	141.7	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	3.17	Inhouse method
4	Infiltration Rate		1.2	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Cheyyar

Group : Atmospheric Pollution

Sample Name : Noise Levels (Excluding vibration) (Env)

Sample Mark : Ambient Noise

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 9989:1981

ULR : TC1231025000016414F

Report No : HECS/AP/024/220325

Sample ID No : 220325150

Sampling Date : 22/03/2025

Received Date : 22/03/2025

Commenced Date : 22/03/2025

Completed On : 04/04/2025

Report Date : 05/04/2025

Sample Qty : NA

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Area	52.9	42.7
2	Mensalur	51.7	41.8
3	Kumavakkam	52.0	42.9
4	Mathur	53.1	43.8
5	Pandiyambakkam	52.7	43.5

Noise Standards - CPCB:

- | | | |
|-----------------------|-----------------------|-----------------------|
| i. Industrial Area | : Day Time-75 dB (A); | Night Time-70 dB (A). |
| ii. Commercial Area | : Day Time-65 dB (A); | Night Time-55 dB (A). |
| iii. Residential Area | : Day Time-55 dB (A); | Night Time-45 dB (A). |
| iv. Silence Zone | : Day Time-50 dB (A); | Night Time-40 dB (A). |

- Note:**
1. Day Time shall mean from 6.00 am to 10.00 pm.
 2. Night Time shall mean from 10.00 pm to 6.00 am.
- ***End of Report***

D.Anusuya
Lab Manager
Authorized Signatory



KUNNAVAKKAM LAKE AND POND





4 Nov 2024 16:44:27
12°42'31.497"N 79°38'14.401"E
Cholavaram
Tamil Nadu



4 Nov 2024 16:43:59
12°42'31.164"N 79°38'15.51"E
Cholavaram
Tamil Nadu



INDIVIDUAL INDUSTRIES PARKING



SIPCOT TRUCK PARKING





SIPCOT Project Office parking area



FLY ASH MIXED HOLLOW BLOCK



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

Annexure - 17

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



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

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

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

2. SIPCOT EMC Meeting dt. 12.10.2006.

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

... will be executed by TWAD Board as "Deposit Work"

and TWAD Board will accord technical sanction for this estimate.

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

Encl: Annexure "A"

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

To

The Managing Director
TWAD Board
Chepauk
Chennai-6

Copy to:

The Engineering Director
TWAD Board
Chepauk
Chennai - 5.

The Chief Engineer
TWAD Board
Vellore

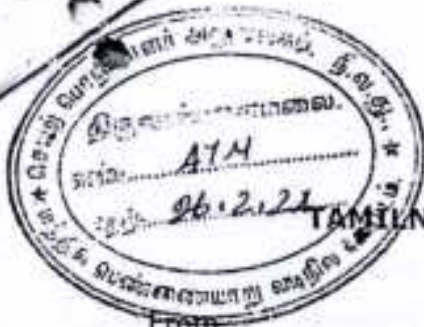
The Superintending Engineer
TWAD Board
V.T. Circle
Vellore

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

AGM(F), SIPCOT

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


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



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

செயற் பொறியாளர் அலுவலகம். நீ.வ.து., திருவள்ளூர்.	
செ.பொ.	✓
நே.மு.உ.	✓
கோ.க.அ.	✓
Executive Engineer, PWD, WRO, Middle Pennaiyar Basin Division, Tiruvannamalai.	26.2.24 24/2/24

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

Sir,

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

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

=====

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

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

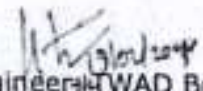
SIPCOT has remitted an amount of Rs. 11.00 Lakhs to TWAD Board towards the upfront amount for taking up investigation vide reference 2nd cited.

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

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

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

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


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

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

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

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

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

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

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Grasim Emergency drill





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Roof Top Solar - schwing stetter



SIPCOT - LED Street light


















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Address bar: sipcotweb.tn.gov.in/Compliance_Report

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2	Compliance Report - Pillaipakkam for Dec 2024	 Download
3	Compliance Report - Vallam Vadagal I for Dec 2024	 Download
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5	Compliance Report - Aerospace Park for December 2024	 Download
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11	Compliance Report - Thoothukudi for December 2024	 Download
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13	Compliance Report - Mambakkam for Dec 2024	 Download
14	Compliance Report - Marudhandapalli for Dec 2024	 Download
15	Compliance Report - Theni for Dec 2024	 Download

Taskbar: 18:16 08-04-2025

தினகர்தி

நாள் : 14-10-2016

 **சிப்காட் தொழிற் பூங்கா**
செய்யாறு தாலூகா, திருவண்ணாமலை மாவட்டம்
CIN U74999TN19715GC005967

சுற்றுச்சூழல் இசைவானை

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

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

மேலாண்மை இயக்குநர்
சிப்காட்
19-அ, ருக்மணி இலட்சுமிபதி சாலை,
எழும்பூர், சென்னை-600 008.

For info. 4999 19715 GC005967

The New Indian Express dt. 14-10-2016



**SIPCOT INDUSTRIAL PARK, CHEYYAR,
CHEYYAR TALUK
THIRUVANNAMALAI DISTRICT**
CIN U74999TN1971SGC005967

ENVIRONMENTAL CLEARANCE

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

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

MANAGING DIRECTOR
SIPCOT
19-A, Rukmani Lakshmipathy Road,
Egmore, Chennai-8

DIPR/1065/DISPLAY/2016



State Industries Promotion Corporation of Tamil Nadu Limited

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

Regd. Office : 19-A, Rukmani Lakshmi Pathy Road, Post Box No. 7223, Egmore, Chennai - 600 008
Phone : 28554787 Fax : 044-28553746/42177333 CIN U74999TN190000900

Ref. No. :



D-I/EIA/CHEYYAR/2016

Date : 08.10.2016

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

✓ 2. The Block Development Officer,
Cheyyar

Sir,

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

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

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

Yours faithfully,
Sd/xxx
GENERAL MANAGER (II)

/ Forwarded by Order /

H. Prathavarathy
1/3 ASSISTANT GENERAL MANAGER (D-I)

Encl.: As above.

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

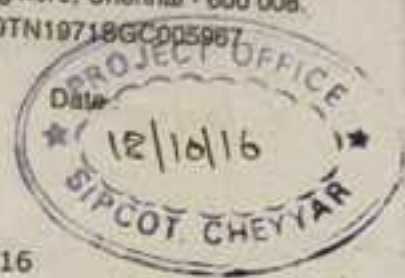


State Industries Promotion Corporation of Tamil Nadu Limited

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

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Phone : 28554787 Fax : 044-28553746/42177333 CIN U74999TN19718GC005967

Ref. No. :



D-I/EIA/CHEYAR/2016

Date : 08.10.2016

1. The Block Development Officer,
Vembakkam.

2. The Block Development Officer,
Cheyyar

Sir,

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Cheyyar - Forwarded- Regarding.

Ref : F.No.21-181/2014 -IA-III, Government of India, Ministry of
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from the Ministry of Environment, Forest and Climate Change, Government of
India vide reference cited. We enclose a copy of the same.

Yours faithfully,
Sd/xxx
GENERAL MANAGER(II)

/ Forwarded by Order /

H. Prabhavathy
2/3 ASSISTANT GENERAL MANAGER(D-I)

Encl.: As above.

Recd a
copy
20.10.2016
St. Cheyyar
19/10/16

SIPCOT - State Industries Promotion Corporation of Tamil Nadu

https://sipcotweb.tn.gov.in/Environment_clearance

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26	Manapalai			Tiruchirappalli	Download				
27	Tindivanam			Villupuram	Download				

31°C Haze

Search

ENG IN

12:18 PM 11-11-2024

P-IV/EC/I/179105/2024/CH

Date: 30.09.2024

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

(BY RPAD)

Sir,

Sub: SIPCOT Industrial Park, Cheyyar - Environmental Statement for the Financial Year ending 31st March 2024 - Submitted - Reg.

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

With reference to the above, we hereby submit the Environmental Statement in Form-V as prescribed under the Environmental (Protection) Rules, 1986 and its subsequent amendment in respect of SIPCOT Industrial Park at Mangal, Kunnavakkam, mathur, Karanai, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu and Mahajanambakkam Villages in Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu for the Financial Year ending 31st March 2024.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/



ASSISTANT GENERAL MANAGER (P-IV)

Sir,
Fc compared.
o/c
30/9/24

AIR QUALITY INDEX DISPLAY BY INDUSTRIES



Schwing shutter Hazardous waste storage



Autoliv - Hazardous waste storage



Annexure 5:

Hazardous waste agreement



தமிழ்நாடு தமிழ்நாடு TAMILNADU

3.09.2023

Green Gena Enviro Protection
and Infrastructure Private Ltd

AS 312094

G. GRASIM INDUSTRIES LTD.

செயல்பாட்டு, திருவள்ளூர், தமிழ்நாடு.

Green Gena Enviro Protection and
Infrastructure Private Limited
Plot No. S-60, Phase-III,
SIPCOT Industrial Estate,
S.S. NIPET - 632 405.

AGREEMENT

THIS AGREEMENT is made on this 15th Day of September 2023 between M/s.Green Gena Enviro Protection and Infrastructure Private Limited (Unit – Raniger), (hereinafter referred to as "GGEPIPL") a company incorporated and registered under the provisions of the Companies Act 1956 and having its registered office at 370, SVP Road, Shop 8, Plot 384, Cigarette Bldg., Opp. CBI, Prothma Samaj, Nr. Harkishandas Hospital, Mumbai - 400004, Maharashtra, India which expression shall unless repugnant to the context or meaning thereof shall mean and include its successors, assigns etc. of FIRST PART

AND

M/s.GRASIM INDUSTRIES LIMITED (CIN:L17124MP1947PLC000410), a company incorporated under the Companies Act, (1 of 1963) and having its registered office at Birlagram, Nagda, Madhya Pradesh, 456331, India and factory/works at Plot No: A-3/1 & A-4/2, Phase 2, SIPCOT Industrial Complex, Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai-631701, (hereinafter referred to as "the Generator" which expression shall unless repugnant to the context or meaning thereof, shall mean and include its successors, assigns and affiliates) of the OTHER PART

For GRASIM INDUSTRIES LTD.

For Green Gena Enviro Protection and
Infrastructure Private Limited

Signed for & on behalf of GGEPIPL
Authorized Signatory

N. K. Kathiravan
Authorized Signatory
Signed for & on behalf of Generator



31/07/23

தமிழ்நாடு தமிழ்நாடு TAMILNADU

Green Gens Enviro Protection and
Infrastructure Private Limited
Plot No. S-60, Phase-III,
SIPCOT Industrial Estate,
RANIPET - 632 405.

899640
FL a/c Group
SIPCOT Industrial Estate
Plot No. S-60, Phase-III
RANIPET - 632 405

Whereas

- 1) GGEPIPL is inter alia engaged in the business activities of development, operations and maintenance of infrastructure projects for hazardous waste management. The Waste Mix Processing Facility Project has been granted EC & Consent To Establish. The CC&A has been granted to operate the 'Alternate Fuel Resource Facility' (AFRF) located at Plot No. S-60, Phase-III, SIPCOT Industrial Estate, Ranipet, Vellore, Tamil Nadu, 634205 by TamilNadu Pollution Control Board (TNPCB) as per The Environment (Protection) Act, 1986 and Hazardous Waste (Management, Handling and Transboundary) Rules, 2016 and amended thereafter (Herein after referred to as "The Rules").
- 2) The Other Party (also referred to as "the Generator") is inter alia engaged in the business manufacturing inter-alia paints and allied products and will be generating Hazardous Liquid /Semi Solid /Solid Waste (hereinafter referred to as "Hazardous Waste")
- 3) The Generator is desirous of sending its Hazardous Waste at 'Alternate Fuel Resource Facility' (AFRF) Facility for the purpose of making alternate fuel resource. GGEPIPL, Ranipet and have all the regulatory approvals and permits issued by TNPCB, CPCB (defined herein), MOEF (defined herein) or any other competent authority to send hazardous waste at GGEPIPL, Ranipet.

Signed for & on behalf GGEPIPL
Infrastructure Private Limited
Authorized Signatory

Page 2 of 16

Signed for & on behalf of Generator
For GRASIM INDUSTRIES LTD.
Authorized Signatory

Whereas

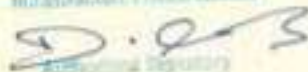
- 1) GGEPIPL is inter alia engaged in the business activities of development, operations and maintenance of infrastructure projects for hazardous waste management. The Waste Mix Processing Facility Project has been granted EC & Consent To Establish. The CC&A has been granted to operate the 'Alternate Fuel Resource Facility' (AFRF) located at Plot No. S-60, Phase-III, Sipcot Industrial Estate, Ranipet, Vellore, Tamil Nadu, 634205 by Tamil Nadu Pollution Control Board (TNPCB) as per The Environment (Protection) Act, 1986 and Hazardous Waste (Management, Handling and Transboundary) Rules, 2016 and amended thereafter (Herein after referred to as "The Rules").
- 2) The Other Party (also referred to as "the Generator") is inter alia engaged in the business manufacturing inter-alia paints and allied products and will be generating Hazardous Liquid /Semi Solid /Solid Waste (hereinafter referred to as "Hazardous Waste")
- 3) The Generator is desirous of sending its Hazardous Waste at 'Alternate Fuel Resource Facility' (AFRF) Facility for the purpose of making alternate fuel resource, GGEPIPL Ranipet and have all the regulatory approvals and permits issued by TNPCB, CPCB (defined herein), MOEF (defined herein) or any other competent authority to send hazardous waste at GGEPIPL Ranipet.
- 4) GGEPIPL has agreed to accept and manage the Hazardous Waste of the Generator at its Ranipet Unit and whereas the Generator agrees to send its Hazardous Waste to GGEPIPL during the Term on the terms and conditions stated hereunder.

DEFINITIONS & INTERPRETATIONS

- 1.1 "TIME" shall be stated in Hours and shall mean Indian Standard Time.
- 1.2 "DAY" means a period of twelve (12) consecutive hours beginning at 08.00 hours and ending at 20.00 hours.
- 1.3 "WEEK" means a period of seven (7) consecutive days beginning from a day
- 1.4 "MONTH" means a period beginning at 8.00 hours on the first day of Calendar Month and ending at 20.00 hours on the last day of same Calendar Month.
- 1.5 "YEAR" means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February beginning at 8.00 hours from a day.
- 1.6 "FINANCIAL YEAR" means a year starts from 1st day of April month of the year and ending on 31st day of March month of next year.

Signed for & on behalf GGEPIPL

For Director, Environment Protection and
Infrastructure Private Limited


Authorized Signatory

Page 2 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


Authorized Signatory

- 1.7 "CONTRACTED QUANTITY" means the quantity of suitable waste streams for which the generator is entering into the agreement.
- 1.8 The headings of or title to the Clauses in this AGREEMENT shall not be deemed to be a part thereof or be taken into consideration in the interpretation of construction thereof of the AGREEMENT.
- 1.9 Word imparting the singular only also include the plural and vice versa where the contexts so require.
- 1.10 Reference to an individual shall include his legal representative, successor, legal heir, executor and administrator.
- 1.11 "AFRF": Alternate Fuel Resource Facility'
- 1.12 Abbreviations:
- a.) TNPCB means- TamilNadu Pollution Control Board
 - b.) CPCB means-Central Pollution Control Board
 - c.) MOEF means-Ministry of Environment and Forests

Now Therefore Those Present Witnesses and it is hereby declared and agreed by andbetween the Parties hereto as follows:

01. SCOPE OF AGREEMENT

GGEPIPL shall collect the Hazardous Waste of Generator and thereafter manage and process the same at its Alternate Fuel Resource Facility', GGEPIPL Ramipet as specified in the Rules in accordance with the applicable laws.

02. DATE OF AGREEMENT & PERIOD OF CONTRACT:

Subject to what is stated herein, this Agreement shall commence from 15th Day September, 2023 and shall continue to be valid for a period of 5 (five) years terms i.e. until 14th Day September, 2028 ("Term").

03. EXTENSION OF AGREEMENT

- (a) If the Generator wishes to send its Hazardous waste suitable for co-processing after the expiry of the present agreement, it shall give three months advance written notice prior to expiry of this Agreement to GGEPIPL of its desire of extended period of facility and GGEPIPL shall subject to the available capacity, consider the request and may in its absolute discretion, offer terms for fresh agreement, both the parties hereto shall after reaching an agreement on the offered terms shall execute a fresh agreement at least one month before the date of expiry of this agreement.

Signed for & on behalf GGEPIPL

For GRASIM INDUSTRIES LTD.
Infrastructure Private Limited


Authorized Signatory

Page 3 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


Authorized Signatory

(b) The agreement to be terminated with mutual consent in the following eventualities:

- (i) On Authorization to GGEPIL being cancelled, refused, or not granted by TNPCB.
- (ii) On expiry of Authorization granted to the Generator and the same having not been renewed by the Generator or of the same having been not granted by TNPCB.
- (iii) On expiry of the present Agreement, where no fresh agreement is signed and executed between parties hereto as mentioned above.

(c) Both the parties hereto further agree, in case of the present agreement coming to an end owing to any of the aforesaid eventualities, it will be the sole responsibility of the Generator to manage its Hazardous Waste in accordance with the relevant provisions of law and that GGEPIL will not be responsible in any manner whatsoever with respect to Hazardous Waste of the Generator.

(d) Renewal of Registration can be done as per clause 03(a) above after payment of appropriate renewal fees mutually agreed between Parties.

04. REGISTRATION FEE & MANAGEMENT CHARGES

- 4.1 Post generation of Hazardous Waste by Generator, the Generator shall have to make the payment of **Rs.25,000/- (Twenty Five Thousand Rupees Only)** plus all goods and service as one time membership fees taxes simultaneously with the execution of this Agreement.
- 4.2 The registration under this agreement is not transferable in any manner whatsoever except change in name of company or firm without change in management or control.
- 4.3 The management charges exclusive of applicable goods and service taxes which is presently in force for the type of hazardous wastes suitable to co-processing agreed for sending to GGEPIL by Generator is described as follows:

Sl.No	Type of wastes	Schedule Number	Physical Status	Gross Calorific Value(MJ)	Chloride %	Sulphur%
1.	Cargo residue, washing water and sludge Containing oil	3.1	-	-	-	-
2.	Sludge and filters contaminated with oil	3.3	-	-	-	-
3.	Contaminated aromatic aliphatic or naphthenic solvents, may or may not be fit for reuse	20.1	-	-	-	-
4.	Process wastes, residues and sludges	21.1	-	-	-	-
5.	Wastes or residues (not made with Vegetable or animal materials)	23.1	-	-	-	-

Signed for & on behalf GGEPIL

For State Govt. Safety Protection and
Subsidiary Police Control


Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


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6.	Empty Barrels/Containers/Liners Contaminated With Hazardous Chemicals /Wastes	33.1	-	-	-	-
7.	Exhaust Air or Gas Cleaning residue	35.1	-	-	-	-
8.	Chemical sludge from waste water treatment	35.3	-	-	-	-

Sr. No.	Type of Wastes	Schedule Name	Accumulated QTY. in MT	Annual Commitment QTY. in MT	Annual Generation QTY. in MT	Management Charges* (Rs. per MT)
1.	Cargo residue, washing water and sludge Containing oil	3.1	1.25 MT	15 MT	15 MT	Rs.10,000/-
2.	Sludge and filters contaminated with oil	3.3	1.25 MT	15 MT	15 MT	Rs.10,000/-
3.	Contaminated aromatic aliphatic or naphthetic solvents, may or may not be fit for reuse	20.1	14.16 MT	170 MT	170 MT	Rs.10,000/-
4.	Process wastes, residues and sludges	21.1	10 MT	120 MT	120 MT	Rs.10,000/-
5.	Wastes or residues (not made with Vegetable or animal materials)	23.1	7.5 MT	90 MT	90 MT	Rs.10,000/-
6.	Empty Barrels/Containers/Liners Contaminated With Hazardous Chemicals /Wastes	33.1	10 MT	120 MT	120 MT	Rs.10,000/-
7.	Exhaust Air or Gas Cleaning residue	35.1	0.83 MT	10 MT	10 MT	Rs.10,000/-
8.	Chemical sludge from waste water treatment	35.3	16.66 MT	200 MT	200 MT	Rs.10,000/-

(Attach sheets in case of more types of wastes)

4.4. The Generator shall be liable to pay GST apart from the above charges.

4.5 The management charges that the Generator shall pay to OGEP/PL and it shall be subject to annual upwards revision by 5% (percent).

4.6 OGEP/PL has agreed to test & provide Comprehensive Analysis of Hazardous Waste on identified parameters as required for the facility at a cost (Rs. 5000/- per sample)+ 18% GST Extra . This payment will be adjusted in the billing.

Signed for & on behalf OGEP/PL

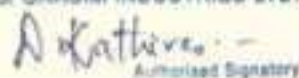
For Senior Civil Engineer/Production and
Infrastructure Maintenance



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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.



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- 4.7 The Comprehensive Analysis Report shall determine the acceptance of waste based on the Waste Characteristics & Waste Acceptance Criteria given by the operator of the GGEPIPL.

05. TRANSPORTATION

- 5.1 As agreed herein above, M/s. GGEPIPL as part of its obligation under authorization granted by TNPCB or as per Rules to ensure effective handling of hazardous waste shall provide Dumpers/ Tractors / Tankers/ Trucks duly authorized by TNPCB to the Generator for transporting its Hazardous Waste to the authorized facility of GGEPIPL at the cost of the Generator.
- 5.2 Transportation cost per MTKM (Two way KM) of waste from location of GGEPIPL Ranipet to Generator unit and from Generator Unit to "Alternate Fuel Resource Facility (I.e.GGEPIPL Ranipet)" shall be recovered at the following rates;

Sr.	Description	Rate (Rs.)	Unit
1	Transportation Charge	Rs.6.31*KMs*MT (Vehicle capacity or waste capacity whichever is higher)	MT * Kms

The Generator shall be liable to pay GST apart from the above charges.

The above transportation rates are subject to Annexure - '1' attached with this agreement. The transportation Rate shall be revised based on the "Annexure - 1" & when changes in the cost of fuel charge.

- 5.3 GGEPIPL shall within 48 hours from the receipt of request by Generator, provide Dumpers / Tractors / Tankers / Trucks for waste lifting if waste to be transported available with Generator are equal to more than one vehicle capacity. In other circumstances GGEPIPL shall provide Dumpers / Tractors / Tankers / Trucks for waste lifting once in month. In either case the Generator shall be charged on the capacity of vehicle being provided for waste lifting, however, the capacity of the vehicle shall not be more than the quantity pre-notified by Generator in its request for collection sent to GGEPIPL.
- 5.4 In case the transportation rates are given per MT basis or composite rates then the capacity of the vehicle usage would be considered 90% of the vehicle capacity.

06. OBLIGATION OF THE GENERATORS

- 6.1 While entering into the present agreement with GGEPIPL, the Generator shall submit all categories of Hazardous Waste they desire to send at AFRF in writing. The said categories of Hazardous Waste shall be as per the parameters specified in the Schedules of the Rules. The Generator shall also give true and correct information related to the quantity, Physical and chemical characteristics, nature, and toxicity of Hazardous Waste Substance.

Signed for & on behalf GGEPIPL

For Green Creek Capital Production and Infrastructure Private Limited


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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


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- 6.2 The Generator shall get the Authorization from TNPCB permitting the Generator to send its Hazardous Waste to GGEPIPL and that it shall be the responsibility of the Generator to get the same renewed from time to time.
- 6.3 The Generator has agreed to declare Hazardous Waste Quantities on annual/monthly basis (as per the Rules) and confirm to a set schedule of waste supply to the GGEPIPL.
- 6.4 The Generator shall provide basic information of its process/chemicals used along with MSDS, of its each product and hazardous waste generated there from and its characterization to GGEPIPL or facility operator.
- 6.5 GENERATOR has to maintain necessary detailed records and to provide details of Hazardous waste as follows:
- 6.5.1 Provide details of Waste on the storage container as per (Form 12- as per hazardous waste (M, H & T) Rules 2008 and as amended).
- 6.5.2 Provide details about the Hazardous waste and its characteristics like Explosive/ Ignitable/ Corrosive/ Toxic/ Odor compounds in the Transport Manifest Form (Form 13- as per hazardous waste (M,H&T) Rules 2008, and as amended).
- 6.5.3 TREM card (Form 11- as per hazardous waste (M,H&T) Rules 2008 and as amended) to the transporter of hazardous waste.
- 6.6 In the event of false information/declaration or withholding information (related to Clause 6) any time during this agreement being in force or until the existence of the facility, all liabilities during Transportation shall remain vested as the responsibility of the GENERATOR.
- 6.7 The Generator is obliged to intimate 48 hours in advance to GGEPIPL to arrange for Dumpers / Tractors / Tankers/ Trucks and on arrival of the same at the Generator's site, the Generator shall be responsible for loading its Hazardous Waste into the said Dumpers / Tractors / Tankers/ Trucks, as may be notified by GGEPIPL from time to time, from the said arrival. If the detention of the said Dumpers / Tractor/Tankers/ Trucks at the GENERATOR's site exceeds five hours, there shall be levied detention charges at the rate mentioned in the Annexure - '1'. The term or rates shall be revised by GGEPIPL from time to time and intimated to generator in time as per Annexure- '1'.
- 6.8 The Generator shall give undertaking to GGEPIPL that the Generator shall take all precautions while packing and loading hazardous wastes in order to ensure that there shall be no leakage or spillage occurs. The Generator shall take all practical steps to ensure that such Waste are properly loaded in the fleet without any adverse impacts on health and environment, which may result from such waste. In the event of such adverse impacts having been caused within the factory premises of the Generator, it shall be the sole liability of the Generator.

Signed for & on behalf GGEPIPL

For Green Earth Protection and
Infrastructure Private Limited


Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


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- 6.9 GGEPIPL shall accept the waste as per the specifications mentioned in Annexure I herein. In case the Waste does not meet with the specification by 10%, costs shall be discussed mutually between Parties.
- 6.10 GGEPIPL shall have the RIGHT TO REJECT the waste within three (3) working days from the date of its delivery at the Alternate Fuel Resource Facility and the Generator shall be bound to Accept such Hazardous Waste back without any delay and bear all the cost associated with return of hazardous waste rejected by GGEPIPL, if the same is rejected by GGEPIPL due to the any of the following reasons:
- 6.11 The variation in waste characteristics is beyond 10% of the agreed and are found non suitable for WMPF;
- 6.12 The improper packing and loading of wastes resulted in spillage and leakage;
The registration has expired with GGEPIPL;
- 6.13 The Generator is obliged to maintain waste characteristics as intimated by the GGEPIPL and/or as specified in the first analysis report (attached as Annexure 1 to this AGREEMENT). The variation beyond 10% will not be accepted by GGEPIPL. GGEPIPL is authorized to send it back or is authorized to charge additional charges of such waste resulted due to the change in waste characteristics provided such rejection of waste is intimated to Generator within three (3) working days from the date of its delivery at the Alternate Fuel Resource Facility.
- 6.14 GGEPIPL may by a Notice served on the GENERATOR require him to provide such additional Information as may be specified in the Notice and the GENERATOR shall send the said information to GGEPIPL within the relevant and justified time frame, immediately from the receipt of the said Notice.
- 6.15 Parties shall comply with the provision of Environment (Protection) Act, 1986 and the Rules as amended from time to time as also with the condition of the present agreement and that any breach committed thereof shall render the GENERATOR not eligible for disposing of such Hazardous Waste in GGEPIPL site.
- 6.16 The GENERATOR shall provide all information related to hazardous waste for Government / Non-Government requirements to GGEPIPL, as and when required.
- 6.17 Once the waste is unloaded and accepted at the facility by GGEPIPL, The Generator shall not claim any right, interest or privilege in or in relation / Connection with Hazardous Waste accepted at the site of GGEPIPL.
- 6.18 In case of any change in quality and/or production rate of products or waste quantity or characteristics, the GENERATOR shall intimate GGEPIPL by written notification to be given at least 15 days in advance by registered letter prior to proposed date of change.

Signed for & on behalf GGEPIPL

For GGEPIPL
Infrastructure Private Limited


Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


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- 8.3 GGEPIPL may reject Hazardous Waste in total, if the GENERATOR'S above mentioned Hazardous Waste is found not to be in consonance with the specifications provided by GGEPIPL subject to 10% variation and the decision of GGEPIPL in rejecting the Hazardous Waste of the GENERATOR for non-compliance of the provisions of the present Agreement will be final and it will not be called in question and the GENERATOR shall have to pay the extra amount which shall be charged by GGEPIPL for expenditure incurred in analyzing, transporting and returning of the rejected such Hazardous waste of the GENERATOR.

9. QUANTITY

9.1 Subject to the conditions mentioned under clause in this agreement, the Generator agrees to send on firm basis to GGEPIPL, its own hazardous waste subject to minimum of 1 MT per month and 12 MT per annum, which will be called the Contracted quantity which, if less than what is stated herein, shall be charged on the 90% of such minimum quantity committed.

10. GGEPIPL RESPONSIBILITY

10.1 GGEPIPL shall at all times comply with all the provisions of the Act and Rules from time to time in force and the Guidelines regarding handling of Waste involving the collection, storage, transportation and delivery thereof, and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. Further, GGEPIPL shall get all the regulatory approvals, licenses, and authorization from TNPCB permitting the GGEPIPL to carry out the purpose of its appointment as mentioned in clause 1 herein and that it shall be the responsibility of GGEPIPL to get such regulatory approvals, licenses and authorizations renewed from time to time.

10.2 GGEPIPL has agreed to manage the hazardous waste of Generator as per the applicable laws, and authorization to be granted by TNPCB from time to time.

10.3 GGEPIPL on receipt of information from Generator will plan and schedule for transport within 48 hours of intimation from the Generator.

10.4 GGEPIPL shall notify a responsible person to receive, authorize unloading and sign the relevant documents like manifests and establish communication with the Generator and with the relevant agencies statutory or otherwise.

10.5 GGEPIPL shall be obliged to carry out the transportation activity including the arrangement of Dumpers / Tractors / Tankers / Trucks within 48 hours of receipt of intimation from the Generator.

11. DEFAULT

11.1 If the Generator fails and/or defaults in the discharge of any of his obligation under the present agreement, the GGEPIPL may delist the Generator.

Signed for & on behalf GGEPIPL

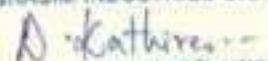
For Ozone Depleting Substances
Industrial Estate, Gurgaon


Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


Authorized Signatory

11.2 GGEPIPL reserves its right to accept or refuse Registration. In event of GENERATOR committing any breach / violation of the condition of the present agreement or any provision of Law / Act / Rules for the time being in force, GGEPIPL reserves its right to suspend / cancel the Registration for such period as it deem fit without giving any reason or prior notice.

11.3 Where an offence under the Environment Protection Act or under the Rules framed there under, has been committed by the GENERATOR or is attribute to any negligency on the part of the GENERATOR which shall include its Director, Partner, Proprietor, Manager, Secretary, Officer, Partner, etc. and if such GENERATOR is guilty of the offence or is liable to be prosecuted against and punished accordingly. No suit, prosecution or legal proceeding (s) shall be against GGEPIPL for the offence committed by its GENERATOR.

12. If the Generator fails and/or defaults in the discharge of any of his obligation under the present agreement, the GGEPIPL may delist the Generator. TRANSFER OF RIGHTS

GGEPIPL may at any time transfer or assign its rights and obligations under the AGREEMENT to any other company or business concern by giving intimation in writing to the GENERATOR. Upon such transfer or assignment, only the transferee or assignee shall be liable for the obligations herein contained.

13. INDEMNITIES

13.1 Generator and GGEPIPL severally shall at all times comply with all the provisions of the relevant Act and Rules from time to time in force and the Guidelines regarding managing of the said Waste and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. In the event of GENERATOR and (or) GGEPIPL committing any breach of the terms of this clause of the Agreement, GENERATOR and GGEPIPL as the case may be shall indemnify and keep indemnified the Generator GGEPIPL of, from and against all claims, payments, costs and actions of whatsoever nature brought against or sustained or incurred by the Generator / GGEPIPL as the case may be and whether paid for or not arising from or as a result of such breach committed by GENERATOR/ GGEPIPL of the facility in that behalf.

13.2 GENERATOR shall indemnify and keep indemnified GGEPIPL at all times from and against all actions, suits, proceedings, claims, third party claims, costs, payments and expenses of whatsoever nature made or suffered or incurred by operator of the facility, whether by reason of or by virtue of non-performance or non-observance or non-compliance by GENERATOR of any terms and conditions of this Agreement or of the Act, the Rules and the Guidelines.

Signed for & on behalf GGEPIPL

For Grasim Green Environment and
Infrastructure Private Limited

Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.

Authorized Signatory

13.3 GGEPIPL shall at all times comply with all the provisions of the Act and Rules from time to time in force and the Guidelines regarding handling of Waste involving the collection, storage, transportation and delivery thereof, and shall, without prejudice to the generality of the foregoing, also comply with all Environmental Protection Laws, Safety Laws and Regulations from time to time in force and the Rules, Regulations and Notifications made or issued there under from time to time. In the event of GGEPIPL committing any breach of the terms of this clause of the Agreement, GGEPIPL shall indemnify and keep indemnified GENERATOR of from and against all claims, payments, costs and actions of whatsoever nature brought against or sustained or incurred by GENERATOR and whether paid for or not arising from or as a result of such breach committed by the operator of the facility in that behalf, gross negligence, willful misconduct, non-performance, non-observance, non-compliance of any terms and conditions of this Agreement or of the Act, the Rules, Regulations, Notifications and the Guidelines under Applicable Laws.

14. FORCE MAJEURE

14.1 In case of any environment risk arising during the performance of this Agreement at the storage site of GGEPIPL either due to force majeure or due to circumstances beyond the control of the parties hereto, the GENERATOR hereby covenants that any liabilities and/or responsibilities which may consequently arise shall be undertaken generally by GGEPIPL.

14.2 Both the parties hereto agree that in any event of there being order in form of any injunction, stay, or otherwise from any Court, TNPCB, or any other Authority stopping the functioning of the Site or otherwise whereby GGEPIPL becomes unable to accept Hazardous Waste of the GENERATOR, GGEPIPL shall not be responsible or made responsible and / or be liable in any manner in that regard and that in such an eventuality, it shall be the responsibility of the GENERATOR to get the needful done in respect of disposal of its Hazardous Waste.

14.3 The term FORCE MAJEURE in the CONTRACT means act of God, war, revolt, riot, fire, tempest, flood, earthquake, lightning, direct or indirect consequences of war (declared / Undeclared), sabotage, hostilities, national emergencies, civil disturbance, commotion, embargo or any law or promulgation, regulation or ordinance whether Central or State or Municipal, breakage, bursting or freezing or stoppage and / or reduction in quantum of Hazardous Waste to be disposed of at the site. Upon occurrence of such cause and on its termination, the parties rendered unable as aforesaid shall notify the other party in writing within twenty four (24) hours of the beginning and the ending, giving full particulars and satisfactory evidence thereof. Any action of labour employed by the GENERATOR shall not be considered as FORCE MAJEURE.

14.4 Notwithstanding anything else contained herein, neither PARTY hereto shall be liable for damages or to have this AGREEMENT terminated for any delay or default in the performance of such PARTY hereunder if such delay or default in performance derives from conditions beyond the reasonable control of such PARTY, including but not limited to, acts of God, strikes, fires, floods, extreme drought, shortage of supply, riots, work stoppages, embargoes, governmental actions or damage to the plant or facility or any cause unavoidable or beyond the control of either party including any arbitrary ruling by the Government prohibiting the handling of the Waste or continuing domestic or international problems such as wars or insurrections.

Signed for & on behalf GGEPIPL

For Green Green Earth Environment and
Infrastructure Private Limited



Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.



Authorized Signatory

14.5 This Agreement shall be deemed to represent the entire Agreement between the parties hereto regarding the subject matter hereof and shall supersede, cancel and replace any and all prior agreements or arrangements, if any, in this behalf, by and between the parties hereto.

14.6 Nothing contained herein shall be deemed to constitute a partnership, joint venture or Agency by and between the parties hereto.

14.7 This Agreement may be modified or amended only by writing, duly executed by or on behalf of the parties hereto.

14.8 Any terms and conditions of this Agreement may be waived at any time by the party that is entitled to the benefit thereof. Such waiver must be in writing and must be executed by an authorized officer of such party. A waiver on one occasion will not be deemed to be a waiver of the same or any other breach or non-fulfillment on a future occasion.

14.9 In the event that any provisions of this Agreement is held to be illegal, invalid or Unenforceable under any present or future law such provisions shall be deemed Terminable and the remaining parts & provisions of this Agreement shall remain in full force & effect.

14.10 Either party shall have no right to terminate this agreement and in the event of dispute arising out of and in the course of the pendency of this agreement shall settle the same mutually, within reasonable time frame keeping in view the greater interest of the Organizations i.e. Generator and GGEPIPL with due allegiance to the applicable legislations and regulations laid down from time to time.

15. PREVIOUS CORRESPONDANCE

15.1 Save and except all discussions and meeting held and correspondence exchanged between GGEPIPL and the GENERATOR in respect of the AGREEMENT and any decisions arrived at therein in the past and before the coming into force of the present AGREEMENT and no reference of such discussions or the GENERATOR for interpreting the present AGREEMENT or otherwise. Whereas solid waste data sheet and application form, will be treated to be the part of this agreement.

16. ARBITRATION

16.1 In case of any dispute or difference of opinion arising out of the present agreement the matter shall be referred to an Arbitrator mutually agreed upon by the GENERATOR and the GGEPIPL, whose decision on the issue shall be final and binding on both the parties.

- a) The place of Arbitration will be Mumbai
- b) The cost of Arbitration will be borne by the respective party.

17. LAWS GOVERNING THE AGREEMENT

17.1 The present agreement shall be subject to Indian Laws, rules and regulation and notifications etc. issued under such laws.

Signed for & on behalf GGEPIPL

For Green Gate Capital Fundation and
Infrastructure Private Limited


Authorized Signatory

Page 13 of 16

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


Authorized Signatory

18. AMENDMENTS

18.1 GGEPIPL may at any point of time make suitable change in the present Agreement after serving a notice to the said GENERATOR.

19. TERMINATION OF AGREEMENT

19.1 This AGREEMENT can be terminated by either party after giving prior written Notice of at least 120 days to the other party.

19.2 GGEPIPL has the unrestricted right to terminate this AGREEMENT and deduct its all pending Claims the deposit of the GENERATOR.

20. GOVERNING LAW, JURISDICTION AND DISPUTE RESOLUTION

20.1 Any dispute arising out of or in connection with this Agreement, including any question regarding its existence, validity, interpretation, non-compliance or non-performance or termination, controversies and conflicts ("Disputes"), as far as possible, be settled amicably between the Parties hereto at the first instance within a period of thirty (30) days of notifying such Dispute for negotiation, and such period of negotiation may be mutually agreed and extended in writing.

20.2 910.2 Any unresolved Disputes shall be finally settled in accordance with the rules promulgated by the Mumbai Centre For International Arbitration (MCIA) ("Rules"). Notwithstanding the foregoing, either Party may seek injunctive relief in any court of competent jurisdiction. Parties agree that the seat of the arbitration shall be at Mumbai and there shall be three arbitrators, each Party selecting one arbitrator within 15 days after the claimant commences the arbitration by giving written notice of the arbitration and the third (and presiding) arbitrator selected by the two arbitrators so selected within 30 days after their appointment. If the two arbitrators cannot agree on the third arbitrator within such 30-day period, the third arbitrator shall be appointed in accordance with the Rules; The language of the arbitration shall be English and the award shall be in writing and shall set forth in reasonable detail the facts of the Dispute and the reasons for the tribunal's decision. The award in such arbitration shall be final and binding upon the Parties and judgment thereon may be entered in any court having jurisdiction for its enforcement. The addresses of the parties hereto unless changed by written notification to be given at least 15 days in advance by registered letter prior to proposed date of charge, shall be as follows:

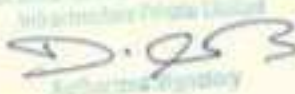
- a) **M/s.GREEN GENE ENVIRO PROTECTION AND INFRASTRUCTURE PRIVATE LIMITED (GGEPIPL) (UNIT-RANIPET)**

Reg. Office: 370, S V P Road, Shop 8, Plot 384, Cigaretwala Bldg., Opp. CBI, PrathmaSamaj, Nr. Harkishandas Hospital, Mumbai - 400004, Maharashtra
Site: Plot No. Plot No. S-60, Phase-III, Sipcot Industrial Estate, Ranipet, Vellure, Tamil Nadu, 634205

- b) **GENERATOR Address: Plot No: A-3/1 & A-4/2, Phase 2, SIPCOT Industrial Complex, Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai-631701.**

Signed for & on behalf GGEPIPL

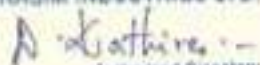
For Green Gene Enviro Protection and
Infrastructure Private Limited


Authorized Signatory

Page 14 of 18

Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


Authorized Signatory

IN WITNESS WHEREOF the parties hereto acting through their properly constituted representatives have set their hands to cause this AGREEMENT signed and executed in their respective names and on their behalf.

For and on behalf of GGEPIPL

(Sign & Stamped by Authority)

Witness:

1

Name :Gajendrabapu D
Designation :Marketing Manager
Address :GGEPIPL, RANIPET

2

Name :Mobi Hashim
Designation :Marketing Executive
Address :GGEPIPL, RANIPET

For and on behalf of GENERATOR

(Sign & Stamped by Authority)

Witness:

1

Name :
Designation :
Address :

2

Name :
Designation :
Address :

Signed for & on behalf GGEPIPL

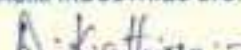
For Green Gas Emission Reduction and
Innovation Private Unit


Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


Authorized Signatory

Annexure - I

The Current Diesel Price is **Rs.95.98/-** Per Liter.

The Service Tax or any other taxes if applicable shall be extra. The Toll Tax, Packing Material shall be extra.

The Transportation, Loading and unloading costs are subject to revision on Monthly basis due to escalations in fuel price and other costs. The transportation rates shall be revised based on the formula below as & when changes in the cost of fuel and other charge.

The effect of increase in diesel price shall be given in Prevailing Transportation Rate on monthly basis when price increase by Rs. 1.00 Per Liter or more otherwise on quarterly basis.

A. Increase in Transportation Rate due to increase in Diesel Price =

Prevailing Transportation Rate X 70% (Considering Fuel Component) X % increase in Diesel Price

Revised Transportation Rate =

Prevailing Transportation Rate + Increase in Transportation Rate due to increase in Diesel Price

Further also the Transportation Rates are subject to annual increase towards other than fuel cost @ 5.00% considering 30% of prevailing Transportation Rate and formula shall be as under;

B. Increase in Transportation Rate on annual basis =

Prevailing Transportation Rate X 30% (Considering other cost Component) X 5.00%

Revised Transportation Rate =

Prevailing Transportation Rate + Increase in Transportation Rate on annual basis

The maximum loading time and detention charges beyond the free loading time for different capacity vehicles are as given below:

SN	Vehicle Capacity	Free Loading Time	Detention Charges/ hr
(i)	9 MT, 16 MT	4 hrs	Rs. 200/- per hour will be charged after loading the waste above 04 Hours

Signed for & on behalf of OCEPIPL

For Green Gate Cement Works Ltd.
Infrastructure Private Limited


Authorized Signatory

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Signed for & on behalf of Generator

For GRASIM INDUSTRIES LTD.


Authorized Signatory

ANNEXURE-II

AMENDMENT IN AGREEMENT

In the continuation of the Agreement dated on 15th Day of September 2023 , this Annexure-II is made on this 15th Day of September 2023

Existing:-

4.5 The management charges that the Generator shall pay to GGEPIPL and it shall be subject to annual upwards revision by 5% (percent).

Amended:-

4.5 The Management Charges that the member shall pay to GGEPIPL shall be subject to annual upwards revision by 5% (percent) shall be Applicable only upon mutual acceptance by the Generator & GGEPIPL.

Signed for & on behalf of GGEPIPL

For Green Green Energy Protection and
Infrastructure Private Limited


Authorized Signatory

Signed for & on behalf of Generator

Page 1 of 1

For GRASIM INDUSTRIES LTD.


Authorized Signatory

ANNEXURE III

In the continuation of the Agreement dated on 15th Day of September 2023 , this Annexure-III is made on this 15th Day of September 2023

Customer Name: M/s.GRASIM INDUSTRIES LIMITED (BIRLA PAINTS DIVISION),
Registered office:Birlagram, Nagda, Madhya Pradesh, 456331, India

Factory works at:Plot No: A-3/1 & A-4/2, Phase 2, SIPCOT industrial Complex,
Mahajanambakkam Village, Cheyyar Taluk, Tiruvannamalai-631701

Agreement dated: 15th day of September 2023 to 14th day of September 2028

Dear sir,

Kindly note that the main agreement has been issued for the purpose of your CTO.
We have not done the Finger Print Analysis (FPA), for the wastes you intend to generate.

Hence, the prices we have indicated in our agreement is only for your budgetary purpose.

Actual price will be agreed mutually by both of us based on your actual generation of wastes and the corresponding FPA report, will be declared by Annexure

In case of your waste being non compatible for our AFRF process, M/s Green Gene Enviro Protection and Infrastructure Private Limited (Unit - Ranipet), (GGEPIPL) has the right to modify/ reject a portion or the entire agreement itself.

For Green Gene Enviro Protection and
Infrastructure Private Limited
Authorized Signatory 
Authorized Signatory

Seal:

Date: 15.09.2023

Name: Gajendrashekhar D

For GRASIM INDUSTRIES LTD.

Authorized Signatory

Seal:

Date:

Name:

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For Green Gene Enviro Protection and
Infrastructure Private Limited
Authorized Signatory 
Authorized Signatory

Seal:

Date: 15.09.2023

Name: Gajendrashekar D

For GRASIM INDUSTRIES LTD.

Authorized Signatory
Authorized Signatory

Seal:

Date:

Name:



தமிழ்நாடு வமிலநாடு TAMILNADU

த.நா. 21/08/2023
ரூபாய் 100/-

Sri Gowri Industries

DD 494533
R. K. Ganesan
முத்தியத்தூர் வித்யாநாயகர்
உயர்வ. எண். 11/2011
அப்துல்வாஹித்
வணிகவகலம் (த.ப.வ.வ.வ.)

AGREEMENT FOR DISPOSAL OF HAZARDOUS WASTE

This agreement is Effective from 23-Aug-2023 between 23-Aug-2025

M/s. GRASIM INDUSTRIES LIMITED which is a Company incorporated under the provisions of the Companies Act, 1956 and having its registered office at GRASIM INDUSTRIES LIMITED (Birla Paints Division) Plot No. A-3/1 & A-4/2, Phase -2, SIPCOT Industrial Complex, Mahajanambakkam Village, Cheyyar Taluk, Tamilnadu-631701. (hereinafter referred to as "the Generator" which expression shall unless repugnant to the context or meaning thereof, shall mean and include its successors, assigns and affiliates) of the FIRST PARTY

I

AND

M/s. SRI GOWRI INDUSTRIES located at , 79/4, KONDALANGKUPPAM Village, VANUR Taluk, Villupuram District, Tamil Nadu 605502. Here in after called BUYER represented by its PROPRIETOR which expression unless repugnant to the subject or context shall include its successors and assigns of the SECOND PARTY.

SCOPE OF THE CONTRACT WORK:

M/s. SRI GOWRI INDUSTRIES shall collect and dispose the used/spent oil from M/s. GRASIM INDUSTRIES LIMITED as per the terms as agreed under.

For Grasim Industries Limited

D. K. Thiagarajan
Authorised Signatory

J. Natarajan



M/s. SRI GOWRI INDUSTRIES should comply and shall continue to comply and operate with all applicable permits and all applicable environment and other relevant laws, whether central or state and any local laws, regulations and ordinances enacted and / or notified by all duly constituted authorities.

M/s. SRI GOWRI INDUSTRIES should have obtained all necessary and relevant permits, licenses and other central, state, or local authorizations required to purpose and handle materials and to provide processing services.

All such permits and licenses shall be kept valid by M/s. SRI GOWRI INDUSTRIES even during any extended/renewed terms of this agreement.

M/s. SRI GOWRI INDUSTRIES shall promptly issue certification of disposal for each and every lot of material bought by it from FIRST PARTY.

Each such certificate shall be submitted to FIRST PARTY, within a calendar month of the lot having been picked up by SRI GOWRI INDUSTRIES.

M/s. SRI GOWRI INDUSTRIES shall be solely responsible for processing, disposing and / or destructing all Used/Spent Oil as per the prevailing government/regulatory norms picked by it

from FIRST PARTY and shall indemnify the Generator for any loss arising out of any obligations, claims, actions, suits, judgments, orders, litigations, enforcements and/or proceedings, incurred or sustained by the Generator in connection with and as a consequence of: (i) breach of the terms of this Agreement; (ii) fraud, theft, misconduct, negligence or deficiency of Service by Buyer; (iii) any negligent act or omission committed in the course of Services hereunder, or any misrepresentation made during the course of Services hereunder.

For any materials bought by SRI GOWRI INDUSTRIES from Generator FIRST PARTY,

M/s. GRASIM INDUSTRIES LIMITED, undertakes to keep and retain adequate passbooks and records and any documentation consistent with and for the periods required by applicable regulatory requirements said records, books and documentation shall be available for inspection by Generator FIRST PARTY upon reasonable advance notice

M/s. SRI GOWRI INDUSTRIES shall provide all labour, materials, transport, tool and equipment (all collectively referred to for purpose of these clauses "tools") for performance of this agreement.

TERMS OF PAYMENT

The material will be cleared from the site against cheque / demand draft / Net banking in favor of M/s. GRASIM INDUSTRIES LIMITED, by M/s. SRI GOWRI INDUSTRIES in witness whereof the parties here unto have signed on the day and year mentioned above

1 PURPOSE OF THE AGREEMENT

For Grasim Industries Limited

D. Kathiresan
Authorised Signatory

J. N. N. N. N.



3

2 BUSINESS CONTRACTS

The business contracts related to these agreement are

GRASIM INDUSTRIES LIMITED

(Birla Paints Division)

Plot No. A-3/1 & A-4/2, Phase -2, SIPCOT Industrial Complex,

Mahajarambakkam Village.

Cheyyar Taluk, Tamilnadu-631701

Add

M/s. SRI GOWRI INDUSTRIES.

794, KONDALANGKUPPAM Village.

VANAJR Taluk, Villupuram District, Tamil Nadu 605502.

1 OTHER DOCUMENTS

It is hereby agreed that a non-disclosure agreement entered into between the parties shall remain in force and is applied to this agreement, to the extent that the terms of such non-disclosure agreement shall prevail.

2. TENURE OF THE AGREEMENT

This agreement shall be effective from the date of signing this agreement (i.e. 23rd Aug 2023) and will be valid till 23rd Aug 2025 for a period of Two Year and it may be extended based on mutual agreement between these parties.

IN WITNESS WHEREOF this agreement and Non-Disclosure agreement has been duly signed and executed by the parties hereto in two original copies on the date written above.

3. AUDIT:

M/s. GRASIM INDUSTRIES LIMITED, or its authorized agent has the right to perform environment services for the purpose of verifying environmental safety procedures

followed by M/s. SRI GOWRI INDUSTRIES. Should the audit indicate questionable procedures of M/s GRASIM INDUSTRIES LIMITED or its sole judgment, not with standing any other provision of this agreement, M/s. GRASIM INDUSTRIES LIMITED, shall have the right to terminate this agreement, in whole or in part.

For Grasim Industries Limited

A. Kathiresan -
Authorised Signatory

J. Natvig



4 Compliance with Laws :-

M/s. SRI GOWRI INDUSTRIES shall comply with all applicable laws, regulations, directives, guidelines, rules, orders, conventions, ordinances and standards of the country(ies) of origin and destination or that relate to the manufacture, labeling, transportation, importation, exportation, licensing, approval or certification of the goods or services, including, but not limited to, those relating to environmental matters, data protection and privacy, wages, hours and conditions of employment, subcontractor selection, discrimination, occupational health/safety and motor vehicle safety. Supplier hereby represents and warrants that it shall not, directly or indirectly through its directors, partners, employees, agents or subcontractors, in India.

5 FORCE MAJEURE:

Neither Party will be liable for any failure or delay in performing an obligation under this Agreement that is due to any of the following causes, to the extent beyond its reasonable control: acts of God, accident, riots, war, terrorist act, epidemic, pandemic, quarantine, civil commotion, breakdown of communication facilities, breakdown of web host, breakdown of internet service provider, natural catastrophes, governmental acts or omissions, changes in laws or regulations, national strikes, fire, explosion, generalized lack of availability of raw materials or energy.

If a Force Majeure occurs and is preventing or delaying performance of a party's obligation under this Agreement, the party will be excused from the performance, or the timely performance, as the case may be, of such obligation for so long as the circumstances giving rise to such prevention or delay may continue and provided the party has provided reasonably prompt written notice of the Force Majeure. Notwithstanding the foregoing, a party will not be excused from its obligations as a result of any event contributed to by the fault of the party, nor will a party be excused from its obligations due to the effects of a Force Majeure that could have been avoided or mitigated by the exercise of reasonable care and diligence by the party.

For the avoidance of doubt, Force Majeure shall not include (a) financial distress nor the inability of either party to make a profit or avoid a financial loss, (b) changes in market prices or conditions, or (c) a party's financial inability to perform its obligations hereunder.

For Grasim Industries Limited

D. Kathera
Authorized Signatory

J. Nalliyar



6 ARBITRATION:-

All disputes and differences, controversies or claims directly or indirectly arising out of or relating to this agreement, which shall arise between the parties hereto at any time including after termination of this agreement or the interpretation, Construction, enforceability, breach, termination or invalidity thereof, shall be referred for arbitration to sole arbitrator to be appointed by authorized person of M/s. GRASIM INDUSTRIES LIMITED

at their discretion. This arbitration shall be conducted in accordance with the Arbitration and Conciliation Act, 1996 or and statutory modification or Re- Enactment thereto for the time being in force shall apply. The place of arbitration and jurisdiction for the settlement of all matters under dispute shall be at Chennai.

For
M/s. GRASIM INDUSTRIES LIMITED
(Birla Paints Division)

D. Kathiresan

(AUTHORISED SIGNATORY)

For
M/s. SRI GOWRI INDUSTRIES

J. Nuthiy

(AUTHORISED SIGNATORY)



SIPCOT - CHEYYAR MONITORING PHOTOS

AMBIENT AIR QUALITY MONITORING PHOTOS:

PROJECT SITE



MENALLUR



KUNNAVAKKAM



PANDIYAVAKKAM



MATHUR



GROUND WATER SAMPLING PHOTOS

MENALLUR



KUNNAVAKKAM



PANDIYAVAKKAM



SURFACE WATER SAMPLING PHOTOGRAPH

MAMANDUR LAKE



MANGAL LAKE



SOIL SAMPLING PHOTOGRAPH

PROJECT AREA	MENALLUR
 <p>Chotavaram, Tamil Nadu, India Pondy-061, Chotavaram, Tamil Nadu 601701, India Lat 12.322893° Long 78.642032° Coordinates WGS 84 Proj UTM Zone 48Q</p>	 <p>Menallur, Tamil Nadu, India Pondy-061, Menallur, Tamil Nadu 601701, India Lat 12.344897° Long 78.712887° Coordinates WGS 84 Proj UTM Zone 48Q</p>
KUNNAVAKKAM	PANDIYAVAKKAM
 <p>Kunnavakkam, Tamil Nadu, India Pondy-061, Kunnavakkam, Tamil Nadu 601701, India Lat 12.322893° Long 78.642032° Coordinates WGS 84 Proj UTM Zone 48Q</p>	 <p>Chotavaram, Tamil Nadu, India Pondy-061, Chotavaram, Tamil Nadu 601701, India Lat 12.322893° Long 78.642032° Coordinates WGS 84 Proj UTM Zone 48Q</p>
MATHUR	
 <p>Mathur, Tamil Nadu, India Pondy-061, Mathur, Tamil Nadu 601701, India Lat 12.322893° Long 78.642032° Coordinates WGS 84 Proj UTM Zone 48Q</p>	

NOISE MONITORING PHOTOGRAPH

PROJECT AREA	MENALLUR
	
KUNNAVAKKAM	PANDIYAVAKKAM
	
MATHUR	
	