



SIPCOT

P-III/EC/I/47323/2023-CH

Date: 30.11.2023

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

Sir/Madam,

Sub: SIPCOT Industrial Park at Cheyyar – Submission of Half Yearly Compliance Report for December 2023 (i.e., for the period of April 2023 to September 2023) - 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 Cheyyar, Thiruvannamalai District, Tamil Nadu for December 2023 (i.e., for the period of April 2023 to September 2023) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,
Sd/-
MANAGING DIRECTOR

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.
2. The Chairman,
Tamil Nadu Pollution Control Board,
No-76, Mount Road, Guindy,
Chennai-600 032

P.T.O.

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

CIN : U74999TN1971SGC005967

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



SIPCOT

/2/

3. The Project Officer
SIPCOT Industrial Park,
Cheyyar

/Forwarded by Order/

ASSISTANT GENERAL MANAGER (P-III)

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

CIN : U74999TN1971SGC005967

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

HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of April 2023- September 2023

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 PROMOTION CORPORATION OF TAMILNADU LIMITED,

19/A , Rukmani Lakshmi pathy Road,

Egmore, Chennai-600008.



Prepared by



**HUBERT ENVIRO CARE SYSTEMS (P) LTD
CHENNAI
(ENVIRONMENTAL CONSULTANT)**

November 2023

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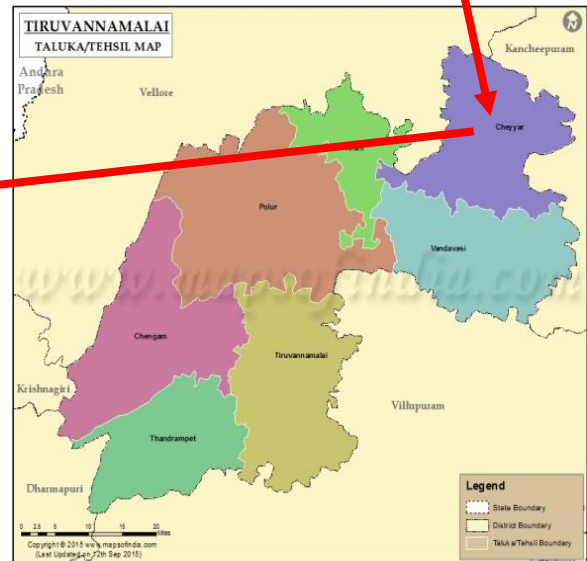
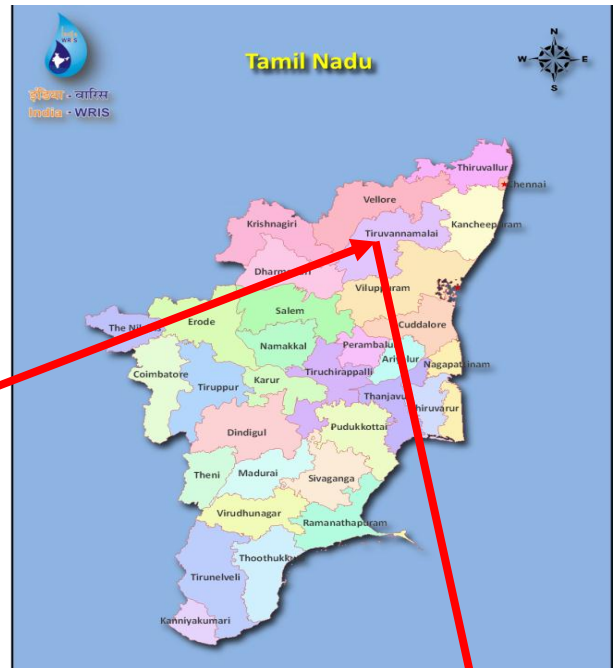
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1.0 PROJECT DETAILS

Name of the Project	Cheyar Industrial Park
Name of the Proponent	State Industries Promotion Corporation of Tamil Nadu Ltd.
Location	Mangal, Kunnavakkam, Mathur, Karanai, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu, Mahajanambakkam Villages, Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu
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	1 MGD Source: Cheyyar River and Approval letter is enclosed as Annexure - 6

2.0 LOCATION MAP



3.0 SITE PHOTOGRAPHS





4.0 SIX MONTH ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

PART A- SPECIFIC CONDITIONS

I. 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.	Condition complied. Consent to Establishment has been obtained from Tamil Nadu Pollution Control Board. CTE copy 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.	Greenbelt is being developed with indigenous native plant species. All the member industries will be instructed to provide greenbelt in the allotted plot area. Photos of development of green belt are enclosed as Annexure 3.
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.	Condition will be complied.
iv.	Special purpose vehicle shall be established for implementation monitoring and compliance of the environmental safeguards.	Condition complied. Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure-4.

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.	Condition noted.
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.	The member units are mandated to have their own ETP with zero liquid discharge system and to handle their own domestic waste water as per the prescribed standards.
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.	The member industries are mandated to have their own ETP with zero liquid discharge system and to reuse the treated wastewater for their process / utilities as per the prescribed standards.
viii.	Member industries shall treat the effluent to meet the prescribed CETP inlet norms.	The member units are mandated to have their own ETP with zero liquid discharge system as per the prescribed standards.
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	Condition complied. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure-4.
x.	Internal Road widths within the industrial area shall be minimum 24 m ROW.	Condition will be complied.
xi.	Common facilities such as repair shops, rest rooms for drivers and attendants shall be provided.	Condition will be complied. All the member industries will be instructed to comply with.
xii.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Condition will be complied.

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.	Condition is being complied. Soil and ground water monitoring reports are enclosed as Annexure- 5 .
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.	Condition will be complied. All the member industries will be instructed to comply with.
xv.	Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.	All the member industries will be instructed to comply with.
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.	All the member industries will be instructed to obtain necessary clearances / approvals.
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.	All the member industries will be instructed to follow applicable rules and guidelines.
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.	All the member industries will be instructed to comply with.
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.	Condition will be complied.
xx.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the	Condition is being complied. Ambient noise level and Ambient air quality monitoring reports are

	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.	enclosed as Annexure-5.
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.	All the member industries will be instructed to follow applicable rules and guidelines.
xxii.	Ready mixed concrete must be used in site development and building construction.	Condition will be complied. All the member industries will be instructed to comply with.
xxiii.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	All the member industries will be instructed to comply with.
xxiv.	Water demand during development/construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Condition will be complied.
xxv.	Permission to draw ground water shall be obtained from the competent Authority prior to construction/ operation of the project.	No Ground water will be drawn from the project site. Water Requirement will be met from the Cheyyar River. Approval letter is enclosed as Annexure-6.
xxvi.	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	All the member industries will be advised to comply with.
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.	All the member industries will be advised to comply with.
xxviii.	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use	All the member industries will be advised to comply with.

	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 fulfil requirement.	All the member industries will be instructed to follow applicable rules and guidelines.
xxx.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	All the member industries will be instructed to follow applicable rules and guidelines.
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.	All the member industries will be advised to obtain all necessary clearances / approvals.
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 will be complied.
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.
xxiv.	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 commitments made during the public hearing are being complied. Compliance statement for public hearing is enclosed as Annexure-7 .
xxxv.	2% of the project cost shall be earmarked for Corporate Environment Responsibility	Condition will be complied.

	activities.	
xxvi.	Necessary provision to develop facilities for disabled people shall be made under Corporate Environment Responsibility.	Condition will be complied.
xxvii.	<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>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.</p>	<p>Condition complied.</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 assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards.</p> <p>Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure-4.</p>

PART -B

GENERAL CONDITIONS

S.NO	CONDITION	STATUS OF COMPLIANCE
(i)	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	Condition noted.
(ii)	Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.	Condition will be complied.

(iii)	Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office, Chennai.	Condition is being complied. Six monthly monitoring reports are being submitted at Regional Office of MoEF&CC.
(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 noted.
(v)	The project proponent shall set up a separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Condition complied. Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure-4 .
(vi)	The funds earmarked for environment management plan shall be include in the budget and this shall not be diverted for any other purpose.	Condition noted.
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.
6.	Officials from the Regional Office of MoEF & CC at Chennai who would be monitoring the implementation of environmental	Condition Noted.

	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.	Condition noted. There is no change in scope of the project.
8.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Condition Noted.
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.	All the member industries will be instructed to obtain all necessary statutory clearances and approvals.
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	Condition complied. Newspaper advertisement photos are enclosed as Annexure -8.

	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.	Condition Noted.
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.	No appeal lies against this environmental clearance.
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.	Condition complied. Acknowledgement copy is enclosed as Annexure -9 . Environment Clearance is uploaded on the website is enclosed as Annexure – 13 .
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	Condition is being complied. Screenshot of compliance report uploaded in our website along with monitoring data is enclosed as Annexure 10 .

	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.	Condition is being complied. Form V submission acknowledgment is attached as Annexure -11 .

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 April 2023 to September 2023.

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 April 2023 to September 2023 is enclosed as **Annexure - 5**.

5.2 Ambient Noise level monitoring

Ambient noise levels were monitored and the test report of ambient noise recorded during the period of April 2023 to September 2023 is enclosed as **Annexure - 5**.

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 April 2023 to September 2023 is enclosed as **Annexure - 5**.

5.4 Ground water quality monitoring

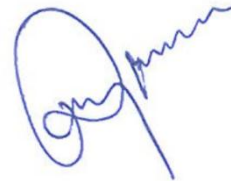
Ground water was tested for various water quality parameters during the period of April 2023 to September 2023. The test report of ground water collected and analyzed is enclosed as **Annexure- 5**.

5.5 Surface water quality monitoring

The surface water was collected and tested for various water quality parameters during the period of April 2023 to September 2023. The test report of surface water collected and analyzed is enclosed as **Annexure- 5**.

6.0 CONCLUSION

1. The environmental monitoring was carried out at site during the period of April 2023 to September 2023.
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

ANNEXURE

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 Lakshmi Pathy 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.


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

Copy to: -

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


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

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.

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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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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
VIJAYABASKARAN

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

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

GENERAL CONDITIONS

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

RATNAM
VIJAYABASKARAN

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

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

Cheyar – SIPCOT Greenbelt Photograph





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**.

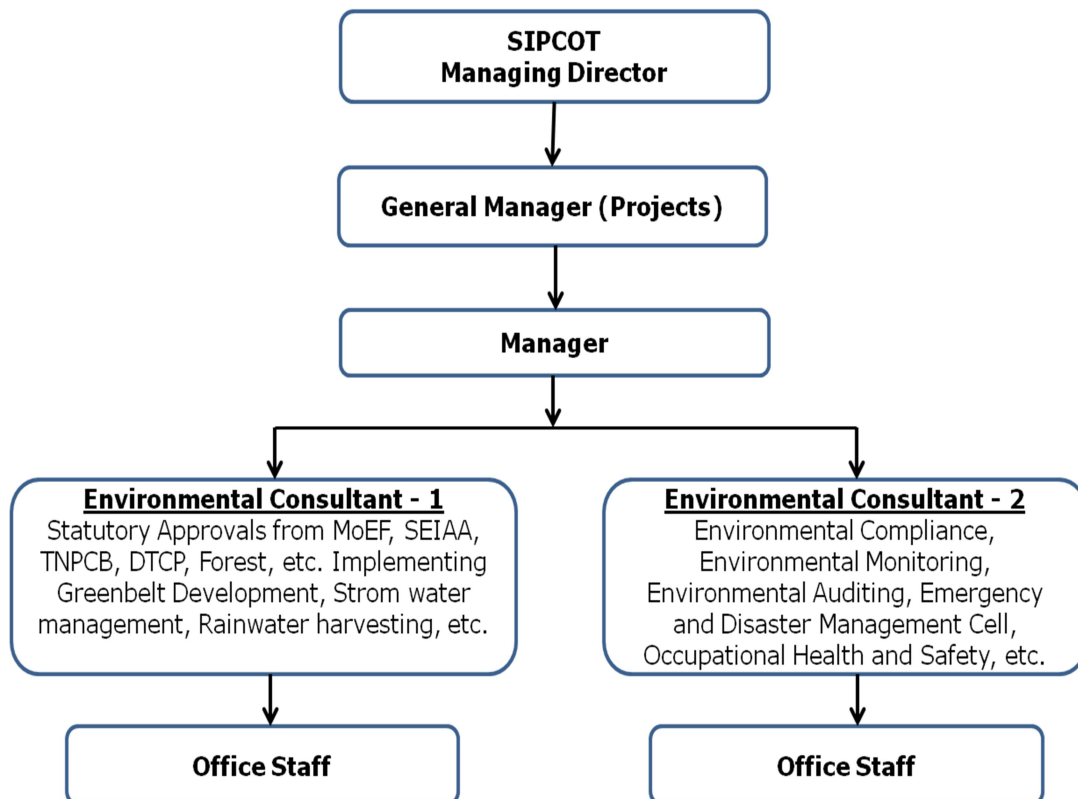


Figure - 1 Organogram for Environmental Management Cell

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.

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

Annexure - 5 Laboratory Services Division

(Chemical & Biological Testing)
Recognized by MoEF, 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-Post EC

Report No. : HECSL/AA/77/150923
Report Date : 21/09/2023

Sample Description : Ambient Air Quality
Sampling Location : Project Area
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On: 21/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	12.48	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	23.05	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	42.83	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	24.16	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	10.86	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	7.75	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 -Milligrams per cubic meter, ng/m^3 -Nanograms per cubic meter.

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

End of Report




Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 1 of 1

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/AA/88/150923
Report Date : 21/09/2023Sample Description : Ambient Air Quality
Sampling Location : Menallur
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On: 21/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	8.55	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	18.29	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	38.15	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	23.49	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 10)	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	5.58	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 -Milligrams per cubic meter, ng/m^3 -Nanograms per cubic meter.

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

End of Report


Authorized Signatory**SIVAPRAKASAM. M**
Lab Manager

TEST REPORT

Page : 1 of 1

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/AA/99/150923
Report Date : 21/09/2023Sample Description : Ambient Air Quality
Sampling Location : Kunnavakkam
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On :21/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	10.49	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	21.75	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	46.38	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	23.18	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 10)	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	6.22	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 -Milligrams per cubic meter, ng/m^3 -Nanograms per cubic meter.

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

End of Report



Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
Recognized by MoEF, 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-Post EC

Report No. : HECSL/AA/1010/150923
Report Date : 21/09/2023

Sample Description : Ambient Air Quality
Sampling Location : Pandiyambakkam
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On :21/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	9.38	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	21.15	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	45.86	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	23.16	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 10)	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	7.05	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 -Milligrams per cubic meter, ng/m^3 -Nanograms per cubic meter.

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

End of Report



M. Sivaprakasam
Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

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-Post EC

Report No. : HECSL/AA/1111/150923
Report Date : 21/09/2023

Sample Description : Ambient Air Quality
Sampling Location : Mathur
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	8.16	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	17.48	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	43.18	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	24.05	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m^3	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 10)	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	5.08	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m^3	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m^3	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m^3	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	$\mu\text{g}/\text{m}^3$	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter, mg/m^3 -Milligrams per cubic meter, ng/m^3 -Nanograms per cubic meter.

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

End of Report




Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT
 Address of the Client : Cheyyar - Post EC
 Sample Description : WATER
 Sample Mark Sample : Mangal Lake – Surface water
 Drawn By : Hubert Enviro Care Systems (p) Ltd
 Sampling/received Date : 13/09/2023 -15/09/2023

Report No. : HECSL/WT/014/150923
 Report Date : 21/09/2023

Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296 Class-A)
1	pH (at 25 °C)	-	7.41	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO ₃	mg/l	100.0	IS 3025 (Part - 23):1986	NA
3	Electrical conductivity	µS/cm	642.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	BLQ(LOQ:0.1)	IS 3025(Part - 10):1984	1
6	Total Hardness as CaCO ₃	mg/l	161.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	37.27	IS 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	122.73	4500 Cl --- B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	16.52	IS 3025 (Part - 46):1994	NA
10	Total Dissolved Solids	mg/l	360.0	IS 3025(Part -16):1984	500
11	Sulphate as SO ₄	mg/l	25.63	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	0.34	IS 3025 (Part - 60):1986	1.5
13	Nitrate as NO ₃	mg/l	6.59	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	0.027	IS 3025 (Part - 53):2003	0.3
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	NA
16	Zinc as Zn	mg/l	BLQ(LOQ:0.1)	USEPA Method 200.8:1994	15
17	Copper as Cu	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.5
19	Cadmium as Cd	mg/l	BLQ(LOQ:0.001)	USEPA Method 200.8:1994	0.001
20	Lead as Pb	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.1
21	Selenium as Se	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ:0.0005)	USEPA Method 200.8:1994	0.001



M. SIVAPRAKASAM
 Authorized Signatory

SIVAPRAKASAM. M
 Lab Manager

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT
Address of the Client : Cheyyar - Post EC

Report No. : HECSL/WT/014/150923
Report Date : 21/09/2023

Sample Description : WATER
Sample Mark Sample : Mangal Lake – Surface water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 - 15/09/2023
Analysis Commenced On : 15/09/2023


Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296 Class-A)
24	Sodium as Na	mg/l	58.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	5.0	IS3025 (Part - 45):1993	NA
26	Phosphate as PO ₄	mg/l	0.081	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 17):1984	NA
28	Nickel	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	NA
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05
30	Total Chromium	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8 : 1994	0.05
31	BOD,3 days @27°C as O ₂	mg/l	2.0	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as O ₂	mg/l	12.0	IS 3025 (Part - 58):2006	NA
33	Dissolved oxygen	mg/l	6.1	IS 3025 (Part - 38):1989	6
34	Total Phosphorous as P	mg/l	0.025	IS 3025 (Pt 31) : 1988	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA
36	Bi Carbonate	mg/l	122.0	IS 3025 (Part - 23):1986	NA
37	Phenolic compounds as C ₆ H ₅ OH	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	NA
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	NA
39	Percent Sodium as Na	%	42.81	IS 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	1
41	Chromium as Cr ⁶⁺	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA
44	Sodium Absorption Ratio	-	1.96	IS 11624 - 1986	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report




Authorized Signatory
SIVAPRAKASAM. M
Lab Manager

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
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TEST REPORT

Page : 1 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post EC

Report No. : HECSL/WT/013/150923
Report Date : 21/09/2023

Sample Description : WATER
Sample Mark Sample : Lake Near Mamandur-Surface Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 - 15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296 Class-A)
1	pH (at 25 °C)	-	8.24	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO ₃	mg/l	115.0	IS 3025 (Part - 23):1986	NA
3	Electrical conductivity	µS/cm	646.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	1.4	IS 3025(Part - 10):1984	1
6	Total Hardness as CaCO ₃	mg/l	204.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	38.48	IS 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	106.89	4500 Cl --- B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	26.24	IS 3025 (Part - 46) 1994	NA
10	Total Dissolved Solids	mg/l	362.0	IS 3025(Part -16):1984	500
11	Sulphate as SO ₄	mg/l	35.28	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	0.41	IS 3025 (Part - 60):1986	1.5
13	Nitrate as NO ₃	mg/l	5.67	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	0.051	IS 3025 (Part - 53):2003	0.3
15	Boron as B #	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	NA
16	Zinc as Zn	mg/l	BLQ(LOQ:0.1)	USEPA Method 200.8:1994	15
17	Copper as Cu	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.5
19	Cadmium as Cd	mg/l	BLQ(LOQ:0.001)	USEPA Method 200.8:1994	0.001
20	Lead as Pb	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.1
21	Selenium as Se	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ:0.0005)	USEPA Method 200.8:1994	0.001



Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

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TEST REPORT

Page : 2 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post EC

Report No. : HECSL/WT/013/150923
Report Date : 21/09/2023

Sample Description : WATER
Sample Mark Sample : Lake Near Mamandur-Surface Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On :21/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
24	Sodium as Na	mg/l	48.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	4.0	IS3025 (Part - 45):1993	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	2.0	IS 3025 (Part - 17):1984	NA
28	Nickel	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	NA
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05
30	Total Chromium	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8 : 1994	NA
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as O2	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA
33	Dissolved oxygen	mg/l	6.5	IS 3025 (Part - 38):1989	6
34	Total Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 (Pt 31) : 1988	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA
36	Bi Carbonate	mg/l	140.3	IS 3025 (Part - 23):1986	NA
37	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	NA
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	NA
39	Percent Sodium as Na	%	33.12	IS 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	1
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA
44	Sodium Absorption Ratio	-	1.46	IS 11624 - 1986	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report

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SIVAPRAKASAM. M
Lab. or

TEST REPORT

Page : 1 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/WT/010/150923
Report Date : 21/09/2023Sample Description : WATER
Sample Mark : Menallur - Ground Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	6.98	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO ₃	mg/l	180.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	883.0	IS 3025 (Part - 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NTU	BLQ(LOQ:0.1)	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO ₃	mg/l	259.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	50.90	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	145.99	4500 Cl --- B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	32.08	IS 3025 (Part - 46) 1994	30	100
10	Total Dissolved Solids	mg/l	495.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO ₄	mg/l	45.63	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.39	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO ₃	mg/l	4.15	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.036	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ:0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ:0.001)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ:0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation



 Authorized Signatory

SIVAPRAKASAM. M
 Lab Manager

TEST REPORT

Page : 2 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/WT/010/150923
Report Date : 21/09/2023Sample Description : WATER
Sample Mark : Menallur - Ground Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
24	Sodium as Na	mg/l	75.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	5.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as O2	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.3	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 (Pt 31) : 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bi Carbonate	mg/l	219.6	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	37.89	IS 3025(Part-45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	-	2.02	IS 11624 - 1986	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report


Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 1 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/WT/011/150923
Report Date : 21/09/2023Sample Description : WATER
Sample Mark : Kunnavakkam - Ground Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.58	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO ₃	mg/l	150.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	764.0	IS 3025 (Part - 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NTU	BLQ(LOQ:0.1)	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO ₃	mg/l	262.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	63.33	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	105.41	4500 Cl --- B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	25.27	IS 3025 (Part - 46):1994	30	100
10	Total Dissolved Solids	mg/l	428.0	IS 3025(Part-16):1984	500	2000
11	Sulphate as SO ₄	mg/l	58.63	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.42	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO ₃	mg/l	2.36	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.045	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B #	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ:0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ:0.00)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	mg/l	BLQ(LOQ:0.00)	USEPA Method 200.8:1994	0.01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ:0.00)	USEPA Method 200.8:1994	0.01	No Relaxation
22	Arsenic as As	mg/l	BLQ(LOQ:0.00)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ:0.00)	USEPA Method 200.8:1994	0.001	No Relaxation



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SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 2 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/WT/011/150923
Report Date : 21/09/2023Sample Description : WATER
Sample Mark : Kunnavakkam - Ground Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
24	Sodium as Na	mg/l	51.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	4.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	0.13	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as O2	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.8	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	0.045	IS 3025 (Pt 31) : 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bi Carbonate	mg/l	183	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	29.21	IS 3025(Part -45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	-	1.37	IS 11624 - 1986	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report



Authorized Signatory
SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 1 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/WT/012/150923
Report Date : 21/09/2023Sample Description : WATER
Sample Mark : Pandiyambakkam - Ground Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	8.14	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO ₃	mg/l	160.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	752.0	IS 3025 (Part - 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NTU	BLQ(LOQ:0.1)	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO ₃	mg/l	260.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	59.32	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	85.61	4500 Cl --- B APHA 23rd Edn:	250	1000
9	Magnesium as Mg	mg/l	27.22	IS 3025 (Part - 46):1994	30	100
10	Total Dissolved Solids	mg/l	421.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO ₄	mg/l	76.25	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.43	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO ₃	mg/l	5.67	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.035	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B #	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ:0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ:0.001)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ:0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation


Authorized Signatory**SIVAPRAKASAM. M**
Lab Manager

TEST REPORT

Page : 2 of 2

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/WT/012/150923
Report Date : 21/09/2023Sample Description : WATER
Sample Mark : Pandiyambakkam - Ground Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
24	Sodium as Na	mg/l	42.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	3.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as O2	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.2	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	(BLQ(LOQ:0.02)	IS 3025 (Pt 31) : 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bi Carbonate	mg/l	186.1	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	25.59	IS 3025(Part -45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	-	1.13	IS 11624 - 1986	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report



Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 1 of 1

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/SD/66/150923
Report Date : 21/09/2023Sample Description : SOIL
Sample Mark : Project Area
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 20/03/2023 -22/03/2023
Analysis Commenced On : 22/03/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		0.36	ASTM D421/422
3	Soil Texture i)Sand	%	28.4	ASTM D421/422
4	Soil Texture ii)Silt	%	34.3	ASTM D421/422
5	Soil Texture iii)Clay	%	37.3	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.82	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	136.72	IS:14767:2000
8	Cation exchange capacity	meq/100g	8.64	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.63	IS:2720 (Part-22): 1972)
10	Nitrogen	mg/kg	144.17	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	23.21	IS 10158:1982
12	Potassium	mg/kg	16.31	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	4.57	US EPA 200.8 Method
16	Iron	mg/kg	3.52	US EPA 200.8 Method
17	Manganese	mg/kg	142.21	US EPA 200.8 Method
18	Zinc	mg/kg	41.23	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	4.11	ASTM D6391-11
21	Bulk density	gm/cc	3.66	ASTM D6683-14
22	Moisture Content	%	4.31	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	21.42	IS 14765
24	Calcium as Ca	mg/kg	131.33	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	47.12	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	17.2	US EPA 200.8 Method

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

End of Report


Authorized Signatory
SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 1 of 1

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/SD/77/150923
Report Date : 21/09/2023Sample Description : SOIL
Sample Mark : Menallur
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		0.76	ASTM D421/422
3	Soil Texture i)Sand	%	36.2	ASTM D421/422
4	Soil Texture ii)Silt	%	31.6	ASTM D421/422
5	Soil Texture iii)Clay	%	32.2	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	8.35	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	176.31	IS:14767:2000
8	Cation exchange capacity	meq/100g	4.22	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.61	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	104.33	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	6.12	IS 10158:1982
12	Potassium	mg/kg	369.15	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	5.11	US EPA 200.8 Method
16	Iron	mg/kg	7.62	US EPA 200.8 Method
17	Manganese	mg/kg	146.37	US EPA 200.8 Method
18	Zinc	mg/kg	39.32	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	6.44	ASTM D6391-11
21	Bulk density	gm/cc	3.21	ASTM D6683-14
22	Moisture Content	%	6.33	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	52.72	IS 14765
24	Calcium as Ca	mg/kg	146.72	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	94.33	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	29.39	US EPA 200.8 Method

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

End of Report


Authorized Signatory
SIVAPRAKASAM. M
Lab

TEST REPORT

Page : 1 of 1

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/SD/88/150923
Report Date : 21/09/2023Sample Description : SOIL
Sample Mark : Kunnavakkam
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		0.84	ASTM D421/422
3	Soil Texture i)Sand	%	37.2	ASTM D421/422
4	Soil Texture ii)Silt	%	28.4	ASTM D421/422
5	Soil Texture iii)Clay	%	34.4	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.52	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	342.51	IS:14767:2000
8	Cation exchange capacity	meq/100g	8.55	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.42	IS:2720 (Part-22): 1972)
10	Nitrogen	mg/kg	113.61	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	34.12	IS 10158:1982
12	Potassium	mg/kg	41.28	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	6.86	US EPA 200.8 Method
16	Iron	mg/kg	4.37	US EPA 200.8 Method
17	Manganese	mg/kg	141.73	US EPA 200.8 Method
18	Zinc	mg/kg	32.46	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	6.56	ASTM D6391-11
21	Bulk density	gm/cc	4.32	ASTM D6683-14
22	Moisture Content	%	7.22	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	34.54	IS 14765
24	Calcium as Ca	mg/kg	126.47	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	53.16	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	22.52	US EPA 200.8 Method

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

End of Report


Authorized Signatory
SIVAPRAKASAM, M
Lab Manager

TEST REPORT

Page : 1 of 1

Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/SD/99/150923
Report Date : 21/09/2023Sample Description : SOIL
Sample Mark : Pandiyambakkam
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Loam	ASTM D421/422
2	Organic Carbon		0.43	ASTM D421/422
3	Soil Texture i)Sand	%	34.5	ASTM D421/422
4	Soil Texture ii)Silt	%	44.2	ASTM D421/422
5	Soil Texture iii)Clay	%	21.3	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	8.46	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	106.37	IS:14767:2000
8	Cation exchange capacity	meq/100g	4.76	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	2.16	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	126.67	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	13.67	IS 10158:1982
12	Potassium	mg/kg	16.83	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	14.18	US EPA 200.8 Method
16	Iron	mg/kg	4.22	US EPA 200.8 Method
17	Manganese	mg/kg	139.31	US EPA 200.8 Method
18	Zinc	mg/kg	35.63	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	7.73	ASTM D6391-11
21	Bulk density	gm/cc	2.55	ASTM D6683-14
22	Moisture Content	%	6.11	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	22.83	IS 14765
24	Calcium as Ca	mg/kg	126.47	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	91.33	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	21.32	US EPA 200.8 Method

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

End of Report


Authorized Signatory
SIVAPRAKASAM. M
Lab Manager

TEST REPORT

Page : 1 of 1


Name of the Client : M/S. SIPCOT
Address of the Client : Cheyyar-Post ECReport No. : HECSL/SD/1010/150923
Report Date : 21/09/2023Sample Description : SOIL
Sample Mark : Mathur
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 14/09/2023 -15/09/2023
Analysis Commenced On : 15/09/2023

Completed On : 21/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Silty Clay Loam	ASTM D421/422
2	Organic Carbon		0.59	ASTM D421/422
3	Soil Texture i)Sand	%	19.1	ASTM D421/422
4	Soil Texture ii)Silt	%	51.3	ASTM D421/422
5	Soil Texture iii)Clay	%	29.6	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.83	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	121.26	IS:14767:2000
8	Cation exchange capacity	meq/100g	4.32	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.53	IS:2720 (Part-22): 1972)
10	Nitrogen	mg/kg	117.36	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	21.31	IS 10158:1982
12	Potassium	mg/kg	18.32	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	7.32	US EPA 200.8 Method
16	Iron	mg/kg	4.22	US EPA 200.8 Method
17	Manganese	mg/kg	148.78	US EPA 200.8 Method
18	Zinc	mg/kg	28.25	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	5.21	ASTM D6391-11
21	Bulk density	gm/cc	3.52	ASTM D6683-14
22	Moisture Content	%	8.38	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	36.76	IS 14765
24	Calcium as Ca	mg/kg	173.54	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	76.46	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	24.38	US EPA 200.8 Method

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

End of Report


Authorized Signatory
SIVAPRAKASAM. ...
Lab Manager

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)
Recognized by MoEF, 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-Post EC

Report No. : HECSL/AN/001-005/150923
Report Date : 21/09/2023

Sample Description : Noise Monitoring
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 13/09/2023 - 15/09/2023

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	59.4	50.2
2	Menallur	53.2	47.3
3	Kunnavakkam	48.5	45.4
4	Pandiyambakkam	48.2	45.2
5	Mathur	53.5	49.6

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.

Remarks:- The noise level meets the requirement of CPCB Limits.

End of Report




Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

31, Kamarajar Salai, Chepauk, Chennai.5

**Dr.C.N.Mahesvaran., I.A.S.,
Managing Director**Lr No F.SIPCOT Cheyyar/ AE2/ PDC/ 2020-1/ dt.19.08.2020

To

The Managing Director
SIPCOT Ltd,19-A,
Rukmani Lakshimapathy road,
Egmore,
Chennai 600 008.

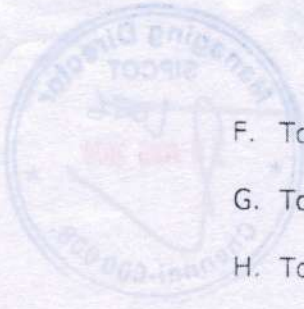
Sir,

Sub: TWAD Board -- SIPCOT Industrial park, Cheyyar- Requirement of 4.50 mld water supply from Palar river- reg

Ref: MD/ SIPCOT/ Lr No SIPCOT/IWC/ Cheyyar SIP/ Ext water supply/2020/ dt 30.07.2020.

With reference to your letter cited, it is informed that in order to enable TWAD Board to take up the detailed investigation works and preparation of Detailed project report for providing water supply to SIPCOT Industrial park, Cheyyar, Application has to be made through the online web portal (<https://www.twadedb.in>) for registration. Further,

- Consent on the following "Terms and condition" of TWAD Board is to be furnished.
 - A. To take up detailed investigation by TWAD Board.
 - B. To implement as 100% deposit work and maintenance by TWAD Board.
 - C. To remit the applicable upfront deposit amount of Rs.11.00 Lakhs towards investigation charges as per BP Ms.No.49 dated 27.07.2018., and to remit 2% of DPR cost on finalization of DPR on intimation from TWAD in excess over and above the upfront amount.
 - D. To remit the project cost in one lump sum, on receipt of intimation from TWAD Board.
 - E. To bear the excess project cost if any, arising during actual implementation, on receipt of intimation from TWAD Board



- F. To enter up on MoU with TWAD Board on finalization of DPR.
- G. To obtain permission from PWD for source clearance.
- H. To pay the water tariff of Rs 45.00 per KL (who have paid proportionate cost) as per BP Ms.No.88, O&M wing dated 08.11.2017.

Hence, I request you to register the request for water supply through online web portal and to send the above consent at the earliest, so as to enable TWAD Board to proceed with further course of action.

Sd/-19.08.2020
Managing Director,
TWAD Board, Chennai-5.

[Handwritten Signature] 19/8/2020
for Managing Director,
TWAD Board, Chennai-5.
[Handwritten Signature] 19/8/2020

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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

From
Er K.V.Babudhanachandran, B.E,M.B.A, M.C.A,
Executive Engineer, TWAD Board,
Project Formulation Division
No.3, 6th Street, Gopalapuram
Vellore-632006.
E-mail : eepfdnvlr6@gmail.com
Phone : 0416-2241178

To
The Superintending Engineer,
TWAD Board,
VLR-TVM circle,
Vellore-6

Letter No. 289/F.WSS to SIPCOT-Cheyyar/DO/PF/VLR/Dt 28-9-2020

Sir,

Sub:- WSS to SIPCOT, Cheyyar – Upfront amount Rs 11.00 Lakhs received – Hydrogeological investigation under progress - report submitted – Reg

- Ref:-
1. Online web portal (<https://www.twadedb.in>)
Application No. TWAD20200304 dated 10-8-2020
 2. MD/TWAD Lr.No. F. SIPCOT-Cheyyar/AE2/PDC/2020-1 /dt.19.08.20 addressed to MD/SIPCOT
 3. MD/TWAD Lr.No. F. SIPCOT-Cheyyar/AE2/PDC/2020-2 /dt.19.08.20 addressed to CE/TWAD/Vellore
 4. MD/SIPCOT/Chennai Lr.No. SIPCOT/IWC/Cheyyar SIP/ Ext. of Water supply /2020/ dt 21-8-2020 addressed to MD, TWAD

With ref. to the above, I submit that an amount of Rs 11.00 Lakhs has been received from SIPCOT towards the Upfront amount for preparation of DPR for WSS to SIPCOT, Cheyyar. I herewith submit the copy of receipt for the same.

In this connection it is submitted that, Hydrogeological investigation is under progress for identifying the source. After receipt of Hydrogeological report from the Deputy Hydrogeologist, TWAD Board, VLR-TVMalai circle, Vellore, the Pre-feasibility report for providing WSS to SIPCOT, Cheyyar will be submitted.

Enc : Copy of Receipt for Rs 11 Lakhs

Sd/- K.V.Babudhanachandran/Dt.28.09.2020
Executive Engineer, TWAD Board,
Project Formulation Division, Vellore-6.

Copy with original receipt for Rs 11.00 Lakhs submitted to the Managing Director, SIPCOT, 19-A, Rukmani Lakshmi pathi Road, Egmore, Chennai - 600008 for favour of information.

Copy (w.e) submitted to the Joint Chief Engineer(PDC), TWAD Board, Chennai for favour of information.

Copy (w.e) submitted to the Chief Engineer, TWAD Board, Vellore for favour of information.

Executive Engineer, TWAD Board
P.F.Division, Vellore-6.

28/09/2020

PC
file.
28/9/2020
CSII

ORIGINAL

Receipt for money received by an official in the

TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD

Book No. 198

Receipt No. 19753

Executive Engineer
TWAD BOARD
P.F. Division, Vellore S.

Place

Date 26/09/2020

Division / Sub-Division

Received from SIPCOT, Cheyyar

Rs. 11,00,000/- Rupees Eleven Lakhs only

on account of Towards the upstart amount for water supply
Scheme to SIPCOT, Cheyyar.

Through "ECS"
DT 26.09.2020

Cashier or Accountant { Signature: *[Signature]*
Executive Engineer
TWAD BOARD
Designation: P.F. Division, Vellore S.
[Signature]
26/09/2020

8

13



Tamil Nadu Water Supply and Drainage Board (TWAD)

Application Ref: *

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Page (/index.do)

Application Details

Application #	: TWAD20200304	Registered Date	: Mon Aug 10 17:16:01 IST 2020
Legal Name of Company	: SIPCOT Industrial Park,Cheyyar	Name of contact person	: Mrs P Maheswari
Mobile Number	: 9443747170	Land line number	:
Email Id	: poch@sipcot.in	Survey Field No	: 58B/1 & 58B/2 , Mangal Village
Address for Correspondence	: Plot No.2 Cheyyar Road,Perumbulimedu Village, Cholavarm, Vembakkam Taluk, Thiruvannamalai Dist. 631701	Site Address	: Plot No.11 Mangal Junction Cheyyar Road 631701
District	: Tiruvannamalai	Taluk	: Vembakkam
Village	: Mangal	Type of category	: Industry-undertaking-state
Is this New Connection?	: YES	Upfront Charges	: 0
Requirement of water in MLD (Million Litres per day)	: 4500	Total Amount (Application Fee + GST Amount)	: 11800
Application Fee	: 10000	GST Amount	: 1800
Work Type	: Treated (Chloronated)	Application Status	: Application fee paid and Under HO user verification
Uploaded Documents By Company	: 2.Location sketch .dwg Ownership.pdf Google Map Location.dwg		

19.



Tamil Nadu Water Supply and Drainage Board (TWAD)

Acknowledgement

Transaction Ref No : SINB9133887439
Bank Ref No : 2207862745
Application No : TWAD20200304
Paid Amount : 11800.0
Payment Type : Application Fee

Note: Please note the application registration number for future reference.

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SIPCOT INDUSTRIAL PARK,CHEYAR
Public Hearing Minutes Compliance Report

S.No.	Queries/Suggestions from Public Hearing	Compliance	Status of Compliance
1.	<p>He raised objection for the contention of DRO / Chairman (I/C) because without knowing the details of the project chairman cannot comment about the project.</p> <p>He also stated that the proposed industrial park will pollute the surrounding area as happened in other SIPCOT industrial parks such as Perundurai. He noted that agriculture lands are being acquired for the park and the lands for the proposed park are surrounded by lakes and ponds. He stated that only condensed version of Environment Impact Assessment (EIA) report was made available in Tamil and that Tamil version of entire report should have been made available in the public domain. He also noted that enough publicity was not given. He further noted that the report did not mention the heritage site located in the mamandur village. He noted that palar river is located within 5 kms of the project area and the project will affect the river which is already dry.</p> <p>He further stated that only agro based industries should be encouraged and Multinational Companies should not be encouraged.</p>	<p>The Chairman clarified that he only talked on introducing the Project and the proponent and their EIA Consultant will explain the project in detail.</p> <p>It was clarified by the Proponent that the nature of proposed classified industries are not water intensive as in the case of Perundurai which is largely textile processing.</p> <p>Executive Summary of the EIA was already circulated in Tamil as per EIA Notification, 2006.</p> <p>The heritage site is well away from the project location and assured that it will be addressed in the final EIA report.</p> <p>The proponent of the IP,SIPCOT, took a decision to address the concern of the water availability and hence, industrial classifications of Synthetic Organic Chemicals - 5(f) and Isolated Storage & Handling of Hazardous Chemicals - 6(b) were removed and now seeking EC only to accommodate: Metallurgical Industries - 3(a) Induction/Arc Furnaces/Cupola Furnaces 5TPH or more - 5(k)</p>	<p>MoEF has issued Environmental Clearance on 30.09.2016 for SIPCOT Industrial Park, Cheyyar and it will house industrial units namely, metallurgical industries [item 3(a)] and induction / Arc Furnace / Cupola Furnaces of TPH or more [item 5(k)] and any other industries which are not under the purview of EIA Notification 2006 and amendments thereof. However, if any other EC category industry is approached then the individual unit shall apply and seek Environmental Clearance under the EIA</p>

			Notification, 2006.
2.	<p>Mr. Tamil Iniyan, Ex-President, Mathur Village.</p> <ul style="list-style-type: none"> • He stated that the villages surrounding the project area is already facing water shortage and the drawl of additional water from Cheyyar River for the park will affect the drinking water supply. • He also noted that the EIA report did not cover the impact of the existing industries. He further stated that foundry / steel melting industries will affect the air environment and the proposed park will affect the grazing of cattle which is important livelihood of the local population. He also noted that the details of projects to be established in the park are not covered in the EIA report. • He stated that the environment Impact Assessment was done during Feb, Mar & Apr, and based on that report was submitted. There is lot of discrepancies in the report and there is no enough publicity given for the project, and there is lot differences were found in the Tamil & English Executive summaries. Executive summary Report is not given to local 3 bodies & public. It seems that the government is only supporting the foreign investors /entrepreneurs and not supporting the agriculturists. • Also, the EIA report did not mentioned historical places, Archeological important places, GO attracting water bodies such Mamandur Lake & Dusi Lake. Further, it is stated that for establishment of Red categories industry, GO related issues are not taken in to account and there is no details about the Agriculture land acquisition. • He noted that the workers in the Special Economic Zone (SEZ) located at the existing SIPCOT Park are 	<p>SIPCOT took a decision to address the concern of the water availability and hence, industrial classifications of Synthetic Organic Chemicals -5(f) and Isolated Storage & Handling of Hazardous Chemicals-6(b) were removed.</p> <p>Industry classification specific impacts and Management Systems, in generic, were presented in EIA report.</p> <p>Individual Industries will be mandated to implement activity-specific control mechanisms while they will be issued CONSENT by State Pollution Control Board.</p> <p>Executive Summary of the EIA was already circulated in Tamil and as well in English as per EIA Notification,2006.</p> <p>The heritage site is well away from the project location and it is addressed in the final EIA report.</p> <p>This will be implemented by SIPCOT by strategically allocating the lands in the closer vicinity to Mamandur lake only to Industries which are not attracted under EIA Notification. As a policy commitment, SIPCOT will allot such land mass only to Engineering Fabrication / Manufacturing Industries.</p> <p>Accordingly, the conceptual plan for allocation of classified industries was modified by SIPCOT.</p> <p>SIPCOT took a decision to address the concern of the water availability and hence, industrial</p>	<p>MoEF has issued Environmental Clearance on 30.09.2016 for SIPCOT Industrial Park, Cheyyar. It will house industrial units namely, metallurgical industries [item 3(a)] and Induction / Arc Furnace / Cupola Furnaces of TPH or more [item 5(k)] and any other industries which are not under the purview of EIA Notification 2006 and amendments thereof.</p> <p>Individual industries will be mandated to have Zero Liquid Discharge System and to have individual sewage treatment system.</p> <p>Individual industries will be mandated to obtain Consent to Establish and Consent to Operate from Tamil Nadu Pollution Control Board.</p> <p>Being Complied.</p> <p>IP Cheyyar will house industrial units namely, metallurgical industries [item 3(a)] and induction / Arc Furnace / Cupola Furnaces of TPH or more [item</p>

	<p>exploited and there is no enough water for the existing SIPCOT, in this juncture how the SIPCOT will go for expansion activities without the enough water?</p> <ul style="list-style-type: none"> • He also noted that Cheyyar River is a seasonal river, Instead of constructing the Dam across the river by the government, how they can propose water consuming projects like SIPCOT. • He also noted that the EIA does not contain the nature of industries coming up in the SIPCOT Expansion project and also there is no mention about the process, production details, water consumption details and emission details in the EIA. There is no mention about the existing industries located the SIPCOT, and damaged caused to the environment. • He also stated that the industrialists are considering the employees as bonded labors in the existing units located in the SIPCOT, and requested the DEE, TNPCB, Tiruvannamalai to safe guard the interest of agriculturalist. And also stated that shall not conduct the public hearing without redressal of their grievances. • Finally, he requested to exempt the villages such as Chellaperumpulimedu, perumpulimedu, Alinjalpattu and Chozhavaram Villages from the project proposals, and hence he requested to ban the upcoming of the project. 	<p>classifications of Synthetic Organic Chemicals -5(f) and Isolated Storage & Handling of Hazardous Chemicals-6(b) were removed.</p> <p>Individual Industries will be mandated to implement activity-specific control mechanisms while they will be issued CONSENT by State Pollution Control Board.</p> <p>It was assured as per the guidelines of all Environmental Acts; TNPCB will monitor the SIPCOT activity and ensure protection to peoples in the project location.</p> <p>SIPCOT assured the Environmental Quality Management Systems to prevent Pollution from the proposed IP.</p>	<p>5(k)] and any other industries which are not under the purview of EIA Notification 2006 and amendments thereof.</p> <p>Individual industries will be mandated to have Zero Liquid Discharge System and to have individual sewage treatment system. SIPCOT has obtained Consent to Establish from TNPCB. Individual industries will be mandated to obtain Consent to Establish and Consent to Operate from Tamil Nadu Pollution Control Board.</p> <p>In order to upkeep the environmental quality in and around industrial park, SIPCOT is in the process of developing greenbelt all along the periphery and in OSR area. Individual industries will be mandated to have Zero Liquid Discharge System and to have individual sewage treatment system.</p>
3.	<p>Mr.Tamilmurugan, S/o. Mr.Tamilmani, Cheyyar stated that diversion of agricultural land for industries will affect agricultural production. He noted that polluting industries should not be started. He wanted SIPCOT to return the lands acquired to the original owners.</p>	<p>The land allocation for the promotion of the proposed IP was done by Government of Tamilnadu, considering all these aspects.</p>	-

4.	<p>Mr.Radhakrishnan, Exemployee, Cheyyar SEZ, stated that no public hearing was done for establishment of Cheyyar SEZ which is employing around 23000 people. He noted that the foot wear manufacturing industry in Cheyyar SEZ is not following the labour laws and the employees are illtreated. He stated that only women are preferred for employment in the foot wear manufacturing industry as they are submissive and do not ask questions. He noted that the industry is exploiting and illtreating the workers. He stated that agriculture is not given water as given for industries.</p> <p>He further stated that the footwear industry is giving stiff production targets against the labour laws, and hence exploiting the labours.</p>	<p>SIPCOT assured that the proposed member industries will be mandated to have all their activities in compliance to Rules and Acts.</p>	<p>Individual industries will be mandated to have Zero Liquid Discharge System and to have individual sewage treatment system.</p> <p>Individual industries will be mandated to obtain Consent to Establish and Consent to Operate from Tamil Nadu Pollution Control Board.</p>
5.	<p>Mr.Elangovan, Panchayat President, Cholavaram, stated that the lands acquired for the park were owned by small and marginal farmers. He noted that 1500 cows and 5000 sheep will be deprived of grazing land due to the diversion of land for the industries. The lands they proposed to utilize for the industrial park was acquired from farmers and they were farming lands before acquisition contrary to claims of the lands being barren. He wanted the proposed industrial park project to be dropped.</p>	<p>The land allocation for the promotion of the proposed IP was done by Government of Tamilnadu, considering all these aspects.</p>	<p>-</p>
6.	<p>Mr.Jeganathan, President, Fishermen Welfare Association, Alinjalpattu, stated that setting up of industrial park will affect fishing since catchment area of fishing lakes and ponds lie in the proposed park. He also noted about the lack of transport facility in the area. Since the industrial SIPCOT Park is in the upstream incase of discharge of effluent may affect water source in the downstream. Hence, he wanted the proposed industrial park project to be dropped.</p>	<p>The land allocation for the promotion of the proposed IP was done by Government of Tamilnadu, considering all these aspects.</p> <p>SIPCOT took a decision to address the concern of the water availability and hence, industrial classifications of Synthetic Organic Chemicals -5(f) and Isolated Storage & Handling of Hazardous Chemicals-6(b) were removed.</p>	<p>MoEF has issued Environmental Clearance on 30.09.2016 for SIPCOT Industrial Park, Cheyyar and It will house industrial units namely, metallurgical industries [item 3(a)] and induction / Arc Furnace / Cupola Furnaces of TPH or more [item 5(k)] and any other industries which are not under the purview of EIA Notification 2006 and amendments thereof.</p>

			However, if any other EC category industry is approached then the individual unit shall apply and seek Environmental Clearance under the EIA Notification, 2006.
7.	Mr.Saravanan, State Treasurer, People Union for Civil Liberty, Cheyyar stated that wide publicity for the Public hearing was not given as mandated in MOEF guidelines. He noted that the Tamil version of entire EIA report should have been given to the public. In absence of Tamil version of the report, it is not possible to understand the impact of the project. He noted that impact of existing industries is not discussed in the EIA study report. Hence, he wanted the proposed industrial park project to be dropped.	Executive Summary of the EIA was already circulated in Tamil and as well in English as per EIA Notification,2006. Advertisements were made by Tamilnadu Pollution Control Board in leading News Papers, both in Tamil and English,well ahead of this Public Consultation, a month ago, as per EIA Notification,2006.	Complied.
8.	Mr.K.R.Ravi, Tamil People Cultural Movement, Kancheepuram noted that the District Collector should have attended the public hearing instead of District Revenue Officer. He noted that SEZs in Sriperumbudur area is not doing well and several units such as Nokia are closed. He stated that Government is encouraging only multinational companies and industries not allowed in other states are allowed in Tamilnadu.	SIPCOT assured to enable the member industries in the proposed IP to function in compliance to all Rules & Regulations.	Individual industries will be mandated to have Zero Liquid Discharge System and to have individual sewage treatment system. Individual industries will be mandated to obtain Consent to Establish and Consent to Operate from Tamil Nadu Pollution Control Board.
9.	Mr.Bhaskaran, Cheyyar stated that the existing foot wear unit is exploiting and ill treating the workers and no benefit has accrued to the local population. Hence, he wanted the proposed industrial park project to be dropped.	SIPCOT assured to mandate all member industries in the proposed IP to function in compliance to all Guidelines.	
10.	Mr.Kuppan, Deputy Secretary, Dalit Panthers, Cheyyar stated MNCs are exploiting the workers. He noted that poor people depend on agriculture and animal husbandry for their livelihood and acquisition of their land will affect their security. He	The land allocation for the promotion of the proposed IP was done by Government of Tamilnadu, considering all these aspects. SIPCOT assured to enable the member industries in the proposed IP to function in compliance to all Rules	

	noted that Panchami lands lands given to the dalits) should not be acquired and such lands should be recovered.	& Regulations.	
11.	Mr.Ulaganathan, S/o. Chinnasamy, Secretary, Tamilnadu Farmers Association, Mathur stated that Tiruvannamalai is primarily an agrarian district. He noted that the industries are bringing labour from other states and local population is not benefitted. He wanted Government to encourage agro based industries such as milk processing instead of polluting industries. Hence, he requested that the District Administration to consider his request.	SIPCOT proposal for the proposed IP is need based and to fulfil the policies of Government to ensure industrial development.	-
12.	Mr.Devaraj, Tamilnadu Farmers Movement, Mathur stated that small and marginal farmers depend on agriculture for their livelihood and therefore their lands should not be acquired. He noted that local people do not want industries at the cost of agriculture.	The land allocation SIPCOT for the promotion of the proposed IP was done by Government of Tamilnadu, considering all these aspects.	-
13.	Mr.Ananthazhwar, Kunnavakkam stated that climate change is happening due to industrial emissions. He wanted the Government to allot funds for reducing industrial emissions.	Central and State Governments are undertaking several initiatives towards mitigation and adaptation for the impacts of Climate change.	-
14.	Mr.Kanniappan, Cholavaram noted that Panchami lands (lands given to Dalits) should not be acquired since the livelihoods depend on the land. He noted that several representations given by them to various Authorities against the acquisition of Panchami lands did not yield desired results.	The land allocation SIPCOT for the promotion of the proposed IP was done by Government of Tamilnadu, considering all these aspects.	-
15.	Mr.Meganathan, Kancheepuram stated that the details of the companies to be located in the park are not given. He noted that the industries are giving only low end jobs such as security guards for the local population. He further noted that agriculture in 2300 acres can give more employment for the local people	SIPCOT assured to enable the member industries in the proposed IP to function in compliance to all Rules & Regulations.	Individual industries will be mandated to obtain Consent to Establish and Consent to Operate from Tamil Nadu Pollution Control Board. Further, individual industries will be to adopt Zero Liquid Discharge concept

	than industries. He also expressed apprehension about the possible water shortage due to setting up of industries. He also stated that industries denied permission in other states is permitted in Tamilnadu.		and reuse the treated water.
16.	Mr.Vetritamilan, Kancheepuram stated that industries are destroying natural wealth and Govt is not attending peoples' needs by means of giving fertile lands to foreign investors. He also stated that industries are following Anti-people approach.	SIPCOT assured to enable the member industries in the proposed IP to function in compliance to all Rules & Regulations.	
17.	Mr. Abdul Bazeer, Kancheepuram stated that the TTRO water supply from Kancheepuram Municipality as stated by the Consultant will bring sewage to the area and pollute the environment.	It was Clarified that sewage of Kancheepuram will be treated in state-of-the-art technology based Treatment Plant. The treated effluent from treatment plant will be processed and re-used in the membrane based tertiary treatment plant, as known as Tertiary Treated Reverse Osmosis (TTRO), to reclaim water .	SIPCOT proposed to obtain approval from TWAD for supply of 4.5 MLD of water from Palar river.
18.	Mr.Ramesh, Kancheepuram stated that Govt officials are only supporting MNCs, not farmers. He noted that the lands inherited for generations are acquired for industries and agriculture lands should not be acquired.	The land allocation SIPCOT for the promotion of the proposed IP was done by Government of Tamilnadu, considering all these aspects.	-
19.	Mr.Kannan, Cheyyar noted that the area is experiencing drop in rainfall due to industrial emissions.	It was clarified that from the existing industries, the level of stack emissions is insignificant.	-
20.	Mr.Selvamani, Ukkul Village noted that all the people in the area are not involved in the public hearing. He stated that perennial rivers have become dry due to sand mining and Cheyyar River is affected by sand mining. He expressed apprehension about shortage of water for agriculture due to drawl of water for industries. 1. What are the Terms of Reference (ToR) for the EIA study?	Dr.Nehrukumar clarified that the ToR prescribed by MoEF for Industrial Estates were followed. Further, additional ToR stipulated by Expert Appraisal Committee (EAC) of MoEF were also	-

	<p>2. How 1 MGD water requirement estimated for the park would be met?</p> <p>3. Why manufacturing process of projects to be located in the Park not covered?</p> <p>4. Whether socioeconomic impact of the Park was studied?</p> <p>5. Whether public hearing will be conducted for individual industries?</p>	<p>studied and presented in EIA report.</p> <p>It was clarified that besides augmenting the existing water supply from Cheyyar River, TTRO water from Kancheepuram Municipality would be made available. Tamilnadu Water Supply & Drainage Board (TWAD), which is mandated to supply water for the park, is working on the TTRO water supply proposal.</p> <p>It was clarified that only Mahindra & Mahindra has signed MoU to set up an Automobile project in the Park. That is also in the initial stage. It was informed that several technology/process options are available for the manufacture of each product. It will be ensured that the projects with state of art technologies which involve less natural resources and less emissions/residues would be considered for land allotment in the park. It was also noted that the details of individual industries will be submitted to TNPCB in the Form I for seeking Consent for Establishment for the park.</p> <p>Dr. Nehru Kumar clarified that socioeconomic impact was studied and presented in the EIA study report.</p> <p>It was clarified that individual industries has to conduct public hearing separately if they do not fall within the scope of ToR issued by EAC for the park and EIA study report.</p>	<p>SIPCOT proposed to obtain approval from TWAD for supply of 4.5 MLD of water from Palar river.</p> <p>SIPCOT has obtained Consent to Establish (CTE) from TNPCB. Individual industries will be mandated to obtain Consent to Establish and Consent to Operate from Tamil Nadu Pollution Control Board.</p> <p>-</p> <p>-</p>
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தினகர்தி

நாள் : 14-10-2016

 **சிப்காட் தொழிற் பூங்கா**
செய்யாறு தாலுகா, திருவண்ணாமலை மாவட்டம்
CIN U74999TN1971SGC005967

சுற்றுச்சூழல் இசைவாணை

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

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

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

செ.ம.தொ.இ/065/வரைகலை/2016

The New Indian Express dt. 14-10-2016



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

CIN U74999TN1971SGC005967

ENVIRONMENTAL CLEARANCE

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

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

MANAGING DIRECTOR
SIPCOT

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

DIPR/1065/DISPLAY/2016



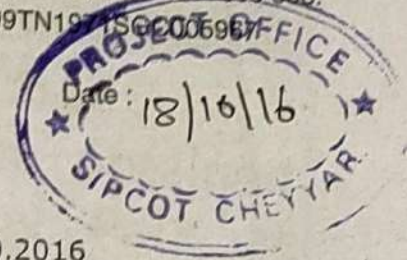
State Industries Promotion Corporation of Tamil Nadu Limited

(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 U74999TN1971SG0006967

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
ASSISTANT GENERAL MANAGER (D-I)

Encl.: As above.

1/3

copy send

[Signature]
DY. B.D.O. (ADMIN)
P.U., VEMBAKKAM



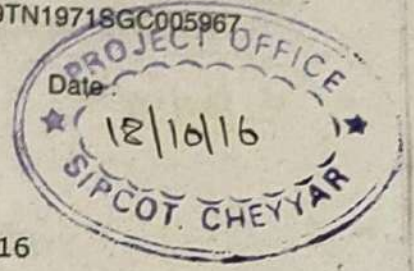
State Industries Promotion Corporation of Tamil Nadu Limited

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

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

527

Ref. No. :



D-I/EIA/CHEYYAR/2016

Date :08.10.2016

- 1. The Block Development Officer, Vembakkam.
- 2. The Block Development Officer, Cheyyar

Sir,

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

Ref :F.No.21-181/2014 -IA-III, Government of India, Ministry of 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. Parakkavathy
ASSISTANT GENERAL MANAGER(D-I)

2/3

Encl.: As above.

Recd a copy
20.10.2016
Cheyyar
19/10/16

The screenshot displays the SIPCOT website interface. At the top, there is a navigation menu with links for HOME, ABOUT US, DASHBOARD, DOCUMENT, OFFICE ORDERS / CIRCULARS, TENDERS, GALLERY, WATER AUDIT, CONTACT US, and APPLY ONLINE. The main content area features a table of compliance reports and a sidebar for environment management.

Sl.no.	Title
1	Compliance Report -Thervoy Kandigai for June 2023
2	Compliance Report - Pillaipakkam for June 2023
3	Compliance Report - Vallam Vadagal I for June 2023
4	Compliance Report - Vaipur Mathur for June 2023
5	Compliance Report - Aerospace Park for June 2023
6	Compliance Report - Cheyyar for June 2023
7	Compliance Report - Manaparai for June 2023
8	Compliance Report - Tindivanam for June 2023
9	Compliance Report - Manallur for June 2023
10	Compliance Report - Vallam Vadagal II for June 2023
11	Compliance Report - Thoothukudi for June 2023
12	Compliance Report - Nemili for June 2023
13	Compliance Report - Mambakkam for June 2023
14	Compliance Report - Marudhandapalli for June 2023
15	Compliance Report - Theni for June 2023
16	Environmental Statement for the Financial Year - 2022 - 2023

ENVIRONMENT MANAGEMENT

- > Environment Policy
- > Environmental Clearance
- > Compliance Report

The bottom of the image shows the Windows taskbar with the search bar, various application icons, and the system tray displaying the time as 2:56 PM on 15-Nov-23.



SIPCOT

P-III/EC/I/27207/2023/CH

Date: 25.09.2023

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

/RPAD/

Sir,

Sub: SIPCOT Industrial Park, Cheyyar - Environmental Statement for the Financial Year ending 31st March 2023 - 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 2023.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

ASSISTANT GENERAL MANAGER (P-III)

S I P C O T	DESPATCHED	
	27 SEP 2023	
	36	
	S.L. No.	Signature

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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

SIPCOT – CHEYYAR MONITORING PHOTOS

AMBIENT AIR QUALITY MONITORING PHOTOS:



Project site



Menallur



Kunnayakkam



Pandiyavakkam

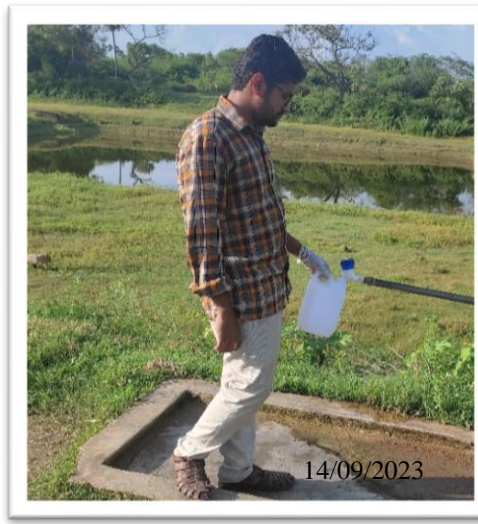


Mathur

Ground water sampling photos



Menallur



Kunnavakkam



Pandiyavakkam

Surface water sampling photograph



Mamandur Lake



Mangal Lake

Soil sampling photograph



Project area



Menallur



Kunnavakkam



Pandiyavakkam



Mathur

Noise monitoring photograph



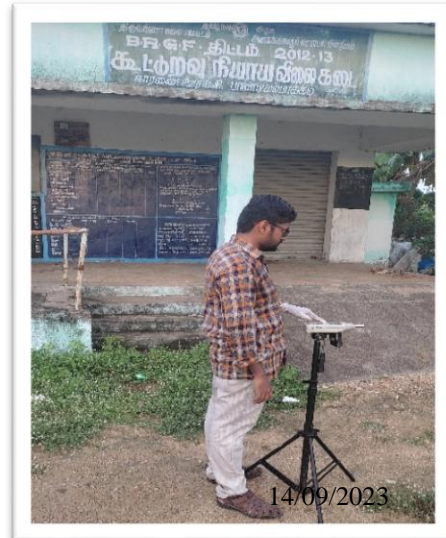
Project area



Menallur



Kunnavakkam



Pandiyavakkam



Mathur

17	Cheyyar	Thiruvannamalai	
	a) Cheyyar - I		Download
	b) Cheyyar - II		Download
18	Oragadam	Kancheepuram	
	a) Oragadam		Download
	b) Vaipur Mathur		Download
19	Thervoykandigai	Thiruvallur	Download
20	Pillaipakkam	Kancheepuram	Download
21	Vallam Vadagal	Kancheepuram	
	a) Vallam Vadagal - I		Download
	b) Aerospace Park		Download
	c) Vallam Vadagal - II		Download
22	Manaparai	Tiruchirappalli	Download
23	Tindivanam	Villupuram	Download
24	Manallur	Thiruvallur	Download
25	Thoothukudi - II	Thoothukudi	Download
26	Nemili	Kancheepuram	Download
27	Marudhandapalli (Hosur Phase-IV)	Krishnagiri	Download
28	Mambakkam	Kancheepuram	Download <small>new</small>
29	Theni	Theni	Download <small>new</small>

