



SIPCOT

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

Date: 30.11.2023

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

Sir/Madam,

Sub: SIPCOT Industrial Park at Nemili – Submission of Half Yearly Compliance Report for December 2023 (i.e., for the period of April 2023 to September 2023) - Reg.

Ref: EC vide Letter No. SEIAA - TN/F.7640/EC/8(b)/835/2022 dated: 30.05.2022

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram 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,
The Ministry of Environment and Forest & Climate Change,
Integrated Regional Office,
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai – 600 006
2. The Director,
CPCB Zonal Office,
77-A, South Avenue Road,
Ambattur Industrial Estate,
Ambattur Taluk, Thiruvallur District,
Chennai - 600 058.

P.T.O.

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

CIN : 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

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

/Forwarded by Order/

DEPUTY MANAGER (P-I)

del.
30/11/23

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HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of April 2023 to September 2023

For

**“Development of Industrial Park at Mannur and Nemili
Village, Kancheepuram District, Tamil Nadu”**

EC OBTAINED Vide Letter No. SEIAA – TN/F.7640/EC / 8 (b)/835/2022 dated: 30.05.2022

Submitted by



**M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD
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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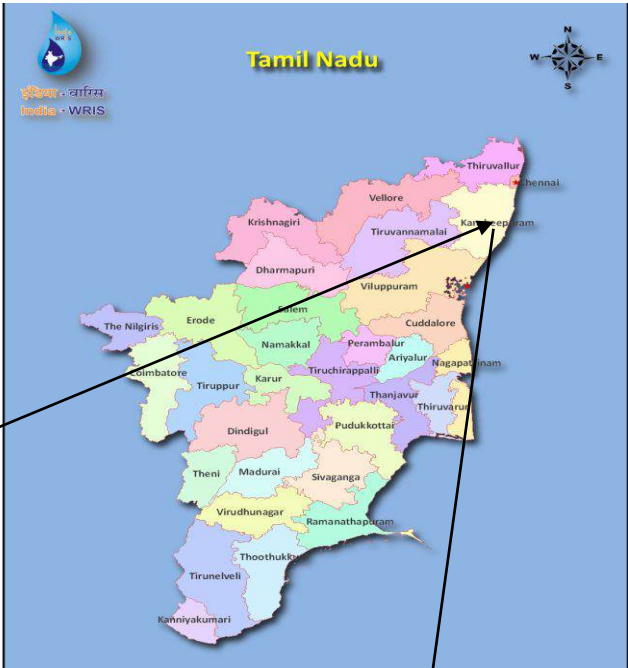
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1.0 PROJECT DETAILS

Name of the Project	SIPCOT Industrial Park, Nemili
Name of the Proponent	State Industries Promotion Corporation of Tamil Nadu Ltd.
Location	Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
EC. No	EC22B039TN164245 dt. 14.06.2022 SEIAA Letter No. SEIAA-TN/F.No/7640/EC/8(b)/835/2022 dt.30.05.2022 (Enclosed as Annexure 1)
Total Extent	92.66 Hectares
Water Requirements	Total water requirement: 2211 KLD Fresh water – 200 KLD, TTRO water – 993 KLD and Recycled water – 1018 KLD Source: CMWSSB (Fresh water: Chembarambakkam Lake, Tertiary Treated water: Koyambedu 45 MLD TTRO Plant)
Project Cost	Rs.550 Crores

2.0 LOCATION MAP



3.0 SITE PHOTOGRAPHS



4.0 SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

SEAC Specific Conditions:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	All the water bodies shall be maintained properly.	Condition will be complied. All the water bodies shall be maintained as is where condition is.
2.	The Project proponent shall consult with Auroville Foundation Government India Organisation-for the development of water bodies inside the Park.	Condition noted.
3.	The Proponent shall ensure that no schedule A & B industries as per EIA Notification 2006 shall be allowed in the Park.	Condition noted.
4.	The proponent shall construct ARHC complex to benefit a minimum of 5000 workers, as a part of the development of the Park' before obtaining CTO.	Condition will be complied.
4.	The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.	Condition will be complied. All the member units will be mandated to adopt ZLD system and use the treated water for their process and utilities as per the norms.
5.	The Project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in certificate.	Condition will be complied.
6.	The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to SEIAA.	Condition will be complied.

7.	The height of the stacks of DG sets shall be provided as per the CPCB norms.	All the member units will be instructed to follow applicable rules and guidelines.
8.	The project proponent shall allot necessary area for the collection of E-waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
9.	The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.	Condition will be complied. All the member units will be instructed to have their own STP as per the requirement and to reuse the treated wastewater as per norms.
10.	The purpose of Green belt around the Project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species Should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. Miyawaki method of planting i.e planting different types of trees at very close intervals may be tried which will give a good green cover. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be include in the layout out plan to be	Condition will be complied. Greenbelt will be developed in minimum of 33% of total developable area with native and indigenous species.

	submitted for CMDA, DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,	
11.	The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed.	Condition will be complied. Entry and Exit points will be provided for the OSR area.
12.	The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.	Condition will be complied.
13.	The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016. as amended for the generation of Hazardous waste within the premises.	All the member units will be instructed to obtain necessary approvals / clearances and to follow applicable rules and guidelines.
14.	No waste of any type to be disposed Off in any other way other than the approved one.	Condition noted. All the member units will be instructed to comply with.
15.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.	Condition will be complied.
16.	All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	Condition will be complied.
17.	The project proponent shall furnish commitment for post-COVID health management for construction workers as	Condition will be complied.

	per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.	
18.	The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post – COVID period.	Condition will be complied.
19.	Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.	Condition noted.
20.	As per the MoEF& CC Office Memorandum F.No. 22-6512017-IA.I Dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.	Condition noted.
21.	As accepted, by the project proponents, 2 acres of land shall be earmarked for the development of AHRC Facility.	Condition will be complied.

SEIAA Additional conditions:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project proponent shall in-house Only non - EIA attracting industries as per EIA notification as amended as proposed & committed.	Condition will be complied.
2.	The project proponent shall start establishment only after complete alienation of Patta lands. Govt. Poramboke lands & water bodies within the proposed site in concurrence with the	Condition will be complied.

	competent authority before obtaining consent from TNPCB.	
3.	The project proponent shall obtain necessary permission for water bodies such as Ponds Canals / Channels etc. within the proposed site from the competent authority before obtaining CTE from TNPCB.	Government of Tamil Nadu has issued Administrative sanction for acquisition of lands vide G.O.Ms. No: 167 dated 02.12.2017.
4.	The project proponent shall ensure that Non – EIA attracting Industries to be in- by providing adequacy individual ETP with ZLD followed by reject management system and shall reuse the treated effluent for the process activity.	Condition will be complied. All the member units will be mandated to adopt ZLD system and use the treated water for their process and utilities as per the norms.
5.	The project proponent shall ensure that Non – EIA attracting industries to be in housed shall treat the Sewage generated by providing adequate individual STP and shall reuse the treated sewage for the toilet flushing & greenbelt/gardening.	Condition will be complied. All the member units will be mandated to have individual STP. The treated water will be used for greenbelt as per the norms.
6.	The project proponent shall ensure that non – EIA attracting industries to be in-housed shall provide elevated STP/ETP of adequate capacity & its utilities above the ground level with adequate height considering highest rainfall & flood level /inundation point of view as recommended by the competent authority) for the proposed project site	All the member units will be instructed to follow all applicable rules and guidelines.
7.	The project proponent shall ensure that the industries to be in – housed shall adhere that no treated or untreated trade effluents/sewage is discharged outside the premises under any circumstances.	Condition noted. All the member units will be instructed have STP/ETP for treatment of wastewater and to reuse the treated water as per the norms.
8.	The project proponent and the non- EIA attracting Industries to be in-housed shall	Condition will be complied. All the member units shall comply with.

	provide the utilities / arrangement for fresh water supply, Storm/rain water management, and for reuse of treated sewage / effluent as proposed.	
9.	The project proponent shall provide & maintain adequate storm water management & rain water harvesting structure as committed for the project site.	Condition will be complied.
10.	The project proponent shall obtain necessary permission for disposal of storm water, to nearby storm water drain from competent authority, before obtaining CTO.	Condition noted.
11.	The project proponent shall ensure that industries to be in housed shall operate and maintain the proposed individual STP/ ETP efficiently and continuously to bring the quality of treated sewage/ effluent to satisfy the discharge standards prescribed by the CPCB at all times.	All the member units will be mandated to provide individual STP/ETP to treat the wastewater. The Treated water will be used for their process / utilities / greenbelt as per the norms.
12.	The recommendation for the issue of Environmental Clearance is subject to outcome of final orders of Hon'ble Madras High Court W.P Nos.27311/15. 31512115, 29691116,2885 I/16.3 8658/ 15,38659/ 15,3 1707/ I8 (Contempt Petition No.2041/19) 31711/18 (Contempt Petition No.2043/19), 31712/2018 (Contempt Petition No.2040/19)	Condition will be complied.
13.	All the construction of Buildings shall be energy efficient and conform to the green Building norms.	All the member industries will be instructed to follow all applicable rules and guidelines.
14.	The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean	Condition noted.

	traffic plan as committed.	
15.	The proponent shall adhere to the approval obtained for the source of fresh Water supply from the competent Authority.	Condition complied. The water requirement will be met from the TTRO plant (Koyambedu) and Chembarambakkam Lake through CMWSSB. CMWSSB allotment letter is enclosed as Annexure – 9 .
16.	All bio safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.	All the member industries will be instructed to follow applicable rules and guidelines.
17.	The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.	All the member industries will be instructed to follow applicable rules and guidelines.
18.	The proponent shall ensure that the EIA/EMP and disaster management Plan should be adhered strictly.	Condition noted. All the member units shall comply with.
19.	The activities should in no way cause emission and build-up Green House Gases. All actions to be eco friendly and support sustainable management of the natural resources within and outside the campus premises.	All the member industries will be instructed to follow applicable rules and guidelines.
20.	The proponent should strictly comply with. Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection Act, 1986.	Condition will be complied. All the member industries will be instructed to follow applicable rules and guidelines.
21.	The proponent shall ensure that provision should be given for proper utilization of recycled water.	All the member units will be mandated to provide individual STP/ETP to treat the wastewater. The Treated water will be used for their process / utilities / greenbelt as per the norms.
22.	The proponent shall ensure that all trees & biodiversity listed in EIA report to be	Condition noted. All the member units shall comply with.

	Protected within the premises.	
23.	The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.	All the member industries will be instructed to follow all applicable rules and guidelines.
24.	All the Buildings shall be energy efficient and conform to the green building norms.	All the member industries will be instructed to follow all applicable rules and guidelines.
25.	The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.	Condition noted.
26.	The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.	EMP for construction phase will be completed before CTO.
27.	The proponent shall ensure that the activities undertaken should not result in Carbon emission and temperature rise, in the area.	All the member industries will be instructed to follow all applicable rules and guidelines.
28.	The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.	All the member industries will be instructed to follow all applicable rules and guidelines.
29.	The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP.	Condition will be complied.
30.	The proponent shall provide the emergency exit in the buildings	All the member industries will be instructed to follow all applicable rules and guidelines.
31.	The proponent shall provide elevator as per rules CMDA/DTCP	Not applicable. All the member industries will be instructed to follow all applicable rules and guidelines.
32.	The proponent shall provide adequate capacity of DG set (standby) for the Proposed STP so as to ensure continuous and efficient operation.	Condition will be complied.

33.	The proponent shall adhere to the provision and norms regard to fire safety Prescribed by competent authority.	Condition will be complied. All the member industries will be instructed to follow all applicable rules and guidelines.
34.	The project proponent shall adhere to storm water management plan as committed.	Storm Water drain shall be provided all along the internal roads.

PART A - Common condition applicable for Pre-construction, Construction and Operational Phase:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	Any appeal against this environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	No appeal lies against this Environmental Clearance.
2.	The Construction of STP, Solid Waste Management Facility, E-waste Management Facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later.	Condition noted. Construction shall be carried out as per the layout approval.
3.	The project proponent shall obtain and adhere to flood inundation certificate and shall fix the level according to the condition issued recommended by competent authority.	Condition will be complied.
4.	The project proponent shall ensure to Provide and maintain adequate safety Distance & Safety measures/ Environmental mitigation measures periodically for the ecosystem such as water bodies, reserve forest/forest,	Condition will be complied.

	grazing fields. Agricultural fields & underground pipelines etc in & around the proposed site as recommended by competent authority time to time.	
5.	The Environmental safeguards contained in the application of the Proponent /mentioned during the Presentation before the State Level Environment impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.	Condition noted.
6.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) A, 1972, State/Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.	Condition noted. All the member industries will be instructed to obtain all necessary statutory clearances and approvals. Consent to Establish obtained from TNPCB and the copy of CTE is attached as Annexure-2 .
7.	The SEIAA reserves the right to add additional safeguard measures subsequently. if non-compliance of any of the EC conditions is found and to take action, including revoking of his Environmental Clearance as the case may be.	Condition noted.
8.	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	Condition noted.
9.	The environmental statement for each Financial year ending 31 st March in Form	Condition complied. Form V Acknowledgement is attached as

	<p>– V as is mandated to be submitted by the project proponent to the concerned Pollution Control Board as prescribed under the Environment (protection) Rules. 1986. as amended Subsequently. Shall also be put on the website of the company. The status of compliance of environmental Clearance conditions and shall also be, sent to the Regional Office of the Ministry of Environment and Forests. Chennai by e-mail.</p>	Annexure – 12.
10.	<p>The Regional Office of the Ministry Located at Chennai shall monitor Compliance of the stipulated conditions. The project authorities Should extend full cooperation to the Officer (s) of the Regional Office by furnishing the requisite data information monitoring reports.</p>	Condition noted.
11.	<p>Consent For Establishment" shall be obtained from the Tamil Nadu pollution Control Board and a copy shall be submitted to the SEIAA. Tamil Nadu.</p>	<p>Conditions complied. CTE obtained from TNPCB and the copy of CTE is attached as Annexure-2.</p>
12.	<p>In the case of any changes in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.</p>	<p>Condition noted. There is no change in the scope of project.</p>
13.	<p>The conditions will be enforced inter-alia. Under the provisions of the Water (Prevention & Control Of pollution) Act, 1974, the Air (prevention Pollution) Act, 1981, the Environment (protection) Act, 1986. The public Liability Insurance Act, 1991, along with their amendments, draft minor mineral Conservation & Development Rules Sale & Control of Act. 1986, the public ,draft Minor Mineral</p>	Condition noted.

	2010 framed Under MMDR Act 1957, National Commission for protection Of Child Right Rules, 2006 and rules Made there under and also any other orde6 passed by the Hon.ble Supreme Court of India ,/Hon'ble High Court of Madras and Any other Courts of Law. Including the Hon'ble National Green Tribunal relating To the subject matter.	
14.	The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.	Condition noted.
15.	Failure to comply with any of the condition mentioned above may result in withdrawal of this clearance and attract action under the provision of the Environment (Protection) Act, 1986	SIPCOT shall comply with all applicable conditions specified in the EC.
16.	The proponent shall upload the status of compliance of the stipulated EC condition, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bangalore and the TNPCB. The Criteria pollutant levels namely PM 10, PM 2.5, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectional parameters' indicated for the project shall be monitored.	Condition is being complied. Compliance of EC conditions uploaded in website is enclosed as Annexure – 11 .
17.	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of if it is found or if it comes to the Knowledge of this SEIAA. TN that the	Condition noted.

	project proponent has deliberately concealed and/or this environmental clearance. Submitted false or misleading Information or inadequate data for obtaining the environmental clearance.	
18.	The Environmental Clearance does not imply that the other statutory ,administrative clearances shall be granted to the project by the concerned Authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance'.	Condition noted.
19.	The SEIAA, TN may alter/modify the above condition in the interest of environmental protection, even during the subsequent period.	Condition noted.
20.	The Environmental Clearance does not absolve the applicant/ proponent of his obligation/ requirement to obtain other statutory and administration clearances from other statutory and administrative authorities.	Condition noted.
21.	Where the trees need to be cut, compensation plantation in the ratio of 1:10 (planting of 10 trees for every one tree that is cut) should be done with the obligation to continuous maintenance.	Condition noted.
22.	A separate environmental management cell with suitable qualified personnel should be set – up under the control of a senior Executive who will report directly to the head of the organization and the shortfall shall be strictly reviewed and addressed.	Condition complied. Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell

		with Roles and Responsibilities are enclosed as Annexure - 3.
23.	The EMP cost shall be deposited in a Nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	Condition noted.
24.	The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition will be complied.
25.	The project activity should not Impact the water bodies. A detailed inventory of the water bodies forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.	Condition will be complied. Surface water quality monitoring report is enclosed as Annexure - 4.
26.	All the assessed flora & fauna should be conserved and protected.	Condition noted.
27.	The proponent should strictly comply with. Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding Ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
28.	As per MoEF & CC Gol, Office Memorandum dated 30.03.2015. prior clearance from Forestry & wildlife angle as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10 Km from National Park and Sanctuaries.	Not applicable.
29.	Traffic congestion near the entry and exist points from the roads adjoining the proposed project site must be avoided.	Condition will be complied.

30.	The safety measures proposed in the report should be strictly followed.	Condition will be complied. All the member units will be instructed to comply with.
31.	The Developer shall ensure that no allotment letter/ sale deed in any form shall be made to house category A or category B industry as prescribed in the schedule of EIA notification 2006. However, in case any category A or category B type of industry as prescribed in the schedule of EIA notification 2006 is proposed then the individual unit shall apply and seek Environmental Clearance under the EIA notification 2006.	Condition will be complied.
32.	The Developer shall mandate the member industries of the Industrial Park to allot 33% of the plot area for green belt development and to install RWH structures.	Condition will be complied.
33.	The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents, solid waste & E waste management, gaseous emission and noise control measures to achieve the standards prescribed by the TNPCB.	Condition will be complied. All the member units will be mandated to provide individual ETP with Zero Liquid Discharge system and to handle the domestic wastewater as per the prescribed standards. Also the member units will be instructed to follow applicable rules and guidelines.
34.	The project proponent shall ensure that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of one time use on and throw away plastic.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
35.	The project proponent must submit the permissible land use classification certificate obtained from competent authority for the proposed project before	Condition will be complied. Application for obtaining land use classification certificate is submitted.

	obtain the CTE from TNPCB.	
36.	The CER fund shall be utilized as per the office memorandum of MoEF& CC dated 01.05.2018 before obtaining CTO from TNPCB.	Condition will be complied.
37.	The allotted industrial units shall obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.	All the member units will be instructed to obtain all necessary statutory clearances and approvals.
38.	The project proponent shall ensure that 33% of the total area of the project site should be covered with green belt.	Condition will be complied.
39.	The proponent shall provide Rain Water Harvesting pits so as to recharge the ground water table.	Condition will be complied.
40.	Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.	All the member units will be mandated to have individual STP. The treated water will be used for greenbelt as per the norms.
41.	It is the sole responsibility of the proponent that the treated sewage disposed for greenbelt development /avenue plantation should not pollute the soil/ groundwater/ adjacent canals/ lakes/ ponds, etc.	All the member units will be mandated to provide individual STP/ETP to treat the wastewater. The Treated water will be used for their process / utilities / greenbelt as per the norms.
42.	The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade Effluents.	Condition will be complied. All the member units will be mandated to provide individual ETP with Zero Liquid Discharge system and to handle the domestic wastewater as per the prescribed standards.
43.	The project proponent shall ensure that all the member units should treat and dispose solid waste & E-waste as per the Solid Waste Management Rule 2016 as amended and E-Waste Management Rules, 2016.	Condition will be complied. All the member units will be instructed to follow all applicable rules and guidelines.

44.	There shall be no discharge of effluent outside the Industrial Park at any time.	Condition will be complied. All the member units will be instructed to comply with. All the member units will be mandated to provide individual ETP with Zero Liquid Discharge system.
45.	The Developer shall mandate the member units of the Industrial Park to install adequate APC measures / Acoustic to achieve air emissions standards within permissible limits prescribed by the CPCB.	All the member units will be instructed to follow all applicable rules and guidelines.

Part- B – Specific Conditions – Pre Construction Phase:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that copy of the clearance letter is available with the state pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA- TN.	Condition complied. Newspaper advertisement copy is enclosed as Annexure - 5 . The copy of the press release has been forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA- TN. Acknowledgement copy of the same is enclosed as Annexure - 6 .
2.	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation	Condition noted. There is no change in the scope of project.
3.	A copy of the clearance letter shall be sent by the proponent to the Local Body.	Condition complied. The acknowledgement copy from the local

	The clearance letter shall also be put on the website of the Proponent.	bodies is attached as Annexure -7 . Screen shot of EC copy uploaded in the website is attached as Annexure -8 .
4.	The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc before commencement of the work.	All the member units will be instructed to obtain all necessary statutory clearances and approvals.
5.	All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.	Condition noted and will be complied. All the member units will be instructed to comply with.
6.	Design of building should be in conformity with the Seismic Zone Classifications.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
7.	The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.	Condition will be complied. All the member units will be instructed to comply with.
8.	No construction activity of any kind shall be taken up in the OSR area.	Condition noted and will be complied.
9.	Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.	STP is not proposed by SIPCOT. Individual industries will be instructed have their own STP as per their requirement and to reuse the treated wastewater as per norms.
10.	The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.	Condition is not applicable. Site does not fall in CRZ area.

11.	The Project Proponent shall provide car parking exclusively for the visiting guest In the proposed residential apartments as per CMDA norms.	Condition is not applicable. Proposed project is development of Industrial Park.
12.	The project proponent shall ensure the level of basement shall be above maximum flood level.	Condition noted and will be complied. All the member units will be instructed to comply with.
13.	The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details <ol style="list-style-type: none"> 1. Location of STP, compost system, underground sewer line 2. Pipe Line conveying the treated effluent for green belt development 3. Pipe Line conveying the treated effluent for toilet flushing 4. Water supply pipeline 5. Gas supply pipe line, if proposed 6. Telephone cable 7. Power cable 8. Storm water drains, and 9. Rain water harvesting system, etc., and it shall be made available to the owners. 	Condition applicable will be complied.
14.	A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.	Condition noted. All the member units shall comply with.
15.	The present land use surrounding the project site shall not be disturbed at any point of time.	Condition noted.
16.	The green belt area shall be planted With indigenous native trees.	Condition will be complied. Greenbelt will be developed with indigenous native species.
17.	Natural vegetation listed particularly the	Condition noted.

	trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be Replanted.	
18.	During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.	During construction and operation phase there will be no disturbance to the aquatic eco – system
19.	The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.	Not applicable.
20.	There should be Fire Fighting Plan and all required safety plan.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
21.	Regular fire drills should be held to create awareness among owners/ residents.	Condition will be complied. All the member units shall comply with.

Part - C – Specific Condition – Construction phase:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	Construction Schedule:	
	(i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.	Condition noted.
2.	Labour Welfare:	
	i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.	Condition noted. All the member units will be instructed to comply with.
	ii) Personnel working In dusty areas	Condition noted. All the member units will

	should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health Surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.	be instructed to follow applicable rules and guidelines.
	iii) Periodical medical examination of the workers engaged in the project shall be carried out and maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots, etc.	Condition noted. All the member units will be instructed to comply with.
3.	Water Supply:	
	i) The entire water requirement during construction phase may be met from ground water source from the source with approval of the PWD Department of water resources/ may be out source.	Condition noted and will be complied.
	ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Condition not applicable. Local labours will be employed for the project. There will not be any housing for labours.
	iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The	Condition noted and will be complied. All the member units will be instructed to comply with.

	treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.	
	iv) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices prevalent.	Condition noted. All the member units shall comply with.
	v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.	Condition noted. All the member units shall comply with.
4.	Solid Waste Management:	
	i) In the solid waste management plan, the STP sludge management plan for direct use as manure, gardens is not acceptable; it must be co-composted with biodegradables.	All the member units shall comply with.
	ii) House hold hazardous wastes such as batteries, small electronics, CFL bulbs expired medicines and used cleaning solvent bottles should be segregated at source, in a month from residences and disposed as per the SWM rules 2016.	All the member units will be instructed to follow applicable rules and guidelines.
	iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and solid waste management rules 2016.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
	iv) No waste of any type disposed of in any watercourse including drains, canals and the surrounding environment.	Condition will be complied. All the member units will be instructed to comply with.
	v) E-waste shall be disposed through Authorized vendor as per E-waste	Condition will be complied. All the member units will be instructed to follow applicable

	(Management and Handling) Rules, 2016 and subsequent amendment.	rules and guidelines.
5.	Top Soil Management:	
	i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Condition will be complied. All the member units will be instructed to comply with.
6.	Construction Debris disposal:	
	i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people, The construction and demolition waste shall be managed as per Construction & Demolition Waste Management rules, 2016.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
	ii) Construction spoils, including bituminous materials and other hazardous materials must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/lake/ stream etc.	Condition noted and will be complied. All the member units will be instructed to comply with.
7.	Diesel Generator sets:	
	i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.

	ii) The diesel required for stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of explosives shall be taken.	Condition noted. All the member units shall be instructed to obtain necessary approvals.
	iii)The acoustic enclosures installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.	Condition noted. All the member units shall comply with.
8.	Air & Noise Pollution Control:	
	i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
	ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.	Condition noted. Individual industries will be instructed to comply with their statutory approvals / clearances. Ambient Air and Noise Monitoring Reports are enclosed as Annexure - 4.
	iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per DTCP norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be meet before commissioning	Condition noted and will be complied.
	iv) The buildings should have adequate distance between them to allow free	All the member units shall comply with.

	movement of fresh air and passage of natural light, air and ventilation.	
9.	Building material:	
	i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.	All the member units will be instructed to follow applicable rules and guidelines.
	ii) Ready-mix concrete used in building construction and necessary cube tests should be conducted ascertain their quality.	All the member units shall comply with.
	iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.	All the member units shall comply with.
10.	Storm Water Drainage:	
	i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.	Storm water will be provided all along the internal road. All the member industries will be instructed to follow applicable rules and guidelines.
	ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.	Condition noted.
11.	Energy Conservation Measures:	
	i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement	All the member units will be instructed to follow applicable rules and guidelines.
	ii) Opaque wall should meet prescribed requirement as per Energy Conservation	All the member units will be instructed to follow applicable rules and guidelines.

	Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.	
	iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.	All the member units will be instructed to follow applicable rules and guidelines.
	iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.	Condition noted. All the member units will be advised to comply with.
	v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.	The proposed project is an establishment of industrial park which involves provision of roads, storm water drains, greenbelt, Power supply, water supply, etc. The member units will be instructed to follow applicable rules and guidelines.
	vi) Energy conservation installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.	Condition will be complied. All the member units shall comply with.
12.	Fire Safety:	
	i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.	Condition noted and will be complied. All the member units will be instructed to comply with.
	ii) Proper and free approach road for fire-fighting vehicles upto the buildings and	Condition noted and will be complied. All the member units will be instructed to

	for rescue in the event of emergency shall be made.	comply with.
13.	Green Belt Development:	
	i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.	Condition will be complied.
	ii) The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wild range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be plan ted. If possible Miyawaki method of planting i.e planting different types of trees at very close intervals may be tried which will give a good green cover. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout plan to be submitted for CMDA/ DTCP approval. The total green belt area should be minimum 15% of the total area and the same shall not be used for car parking/	Condition will be complied. Overall greenbelt of minimum 33% will be developed as per the layout approval with native and indigenous plant species.

	OSR.	
	iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.	Condition noted. Overall greenbelt of minimum 33% will be developed as per the layout approval.
	iv) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area and the same shall be included in the layout out plan to be submitted for DTCP approval.	Condition will be complied. Greenbelt will be developed as per the Layout Approval.
14.	Sewage Treatment Plant:	
	i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation, Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.	All the member units will be instructed to comply with.
	ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.	Condition noted. All the member units will be instructed to comply with.
	iii) The project proponent shall operate and maintain the Sewage treatment Plant effectively to meet out the standards prescribed by the CPCB.	Individual industries will be mandated to have their own STP for treatment of domestic wastewater and to reuse the treated water as per norms.
	iv) The project proponent shall continuously operate and maintain the Sewage treatment plant to achieve the standards prescribed by the CPCB.	All the member units will be instructed to comply with.
	v) The project proponent has to ensure	All the member units will be instructed to

	the complete recycling of treated sewage after achieving the standards prescribed by the CPCB	comply with.
	vi) The project proponent has to provide separate standby D.G set for the STP for the continuous operation of the STP in case of power failure.	All the member units will be instructed to comply with.
15.	Rain Water Harvesting:	
	i) The proponent/Owner of the Flats shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.	Condition noted. All the member units will be instructed to comply with.
	ii) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.	Condition noted. All the member units will be instructed to comply with.
	iii) The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition noted.
16.	Building Safety:	
	Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.	All the member units will be instructed to follow applicable rules and guidelines.

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

Not Applicable – Since the project is under construction phase.

5.0 ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit six monthly compliance report (Half Yearly Compliance) to MoEF & CC Regional Office by the project 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 – September 2023.

5.1 Ambient Air Quality Monitoring

The Ambient Air Quality parameters such as suspended particulate matter (PM₁₀), Respirable matter (PM_{2.5}), Sulphur dioxide, Oxides of Nitrogen (NO_x) and Carbon monoxide were monitored. The test report of ambient air quality for the period of April 2023 – September 2023 is attached as **Annexure - 4**.

5.2 Ambient Noise Level Monitoring

Ambient noise level was monitored during the period of April 2023 – September 2023 and the test report of ambient noise recorded is attached as **Annexure - 4**.

5.3 Soil Quality Monitoring

Soil samples were collected and analyzed for nutrients and heavy metals. The test report of soil samples collected and analyzed during the period of April 2023 – September 2023 is enclosed as **Annexure - 4**.

5.4 Ground Water Quality Monitoring

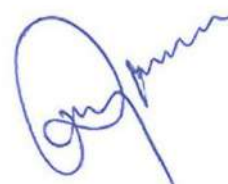
Ground water was tested for various water quality parameters during the period of April 2023 – September 2023. The test report of ground water samples collected and analyzed is enclosed as **Annexure - 4**.

5.5 Surface Water Quality Monitoring

The surface water was collected and tested for various water quality parameters during the period of April 2023 – September 2023. The test report of surface water collected and analyzed is enclosed as **Annexure - 4**.

6.0 CONCLUSION

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

ENVIRONMENTAL
CLEARANCE

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Tamil Nadu)

To,

The Managing Director
 STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU
 LIMITED (SIPCOT)
 19-A,Rukmani Lakshmipathy Road, Egmore,Chennai -600008

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/TN/MIS/59361/2020 dated 23 Dec 2020. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22B039TN164245 |
| 2. File No. | 7640 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 8(b) Townships and Area Development projects. |
| 6. Name of Project | Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu” |
| 7. Name of Company/Organization | STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED (SIPCOT) |
| 8. Location of Project | Tamil Nadu |
| 9. TOR Date | 23 Sep 2020 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 14/06/2022

(e-signed)
 Tmt.P.RAJESWARI,IFS
 Member Secretary
 SEIAA - (Tamil Nadu)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
 and Virtuous Environmental Single-Window Hub)





TMT. P. RAJESWARI, I.F.S.,
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY – TAMIL NADU

3rd Floor, Panagal Maaligai,
No.1 Jeenis Road, Saidapet,
Chennai-15.

Phone No.044-24359973

Fax No. 044-24359975

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA-TN/F.7640/EC/ 8(b)/835/2022 dated: 30.05.2022.

Sir,

Sub: SEIAA, TN - Environmental Clearance – Proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha by M/s. State Industries Promotion Corporation of Tamil Nadu Limited at S.F. Nos. 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E of Mannur Village & S.F.Nos. 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili village, Sriperumbudur Taluk, Kancheepuram District under Category 'B' and Schedule S.No. 8(b) under the Environment Impact Assessment Notification, 2006, as amended - Issued – Regarding.

Ref: 1. Your application for Terms of Reference dated: 13.07.2020

2. ToR Issued by SEIAA-TN Vide Lr.No.SEIAA-TN/F.No.7640/SEAC/8(b)/ToR-764/2020 dated: 23.09.2020

3. Online Application for EC vide SIA/TN/MIS/59361/2020, dated: 23.12.2020

4. EIA report submitted to SEIAA-TN on 24.12.2020

5. Minutes of the 223rd SEAC Meeting held on 30.07.2021

6. Proponent reply dated 29.04.2022

7. Minutes of the 268th SEAC Meeting held on 29.05.2022

8. Minutes of the 513rd SEIAA Meeting held on 30.05.2022


MEMBER SECRETARY
SEIAA-TN

This has reference to your application 3rd & 4th cited, the proposal seeking Environmental Clearance for the proposed development of industrial park at S.F. Nos. 511/9A, 512/2A1A, etc. of Mannur Village & S.F.Nos. 1, 2, 3, etc. of Nemili Village Sriperumbudur Taluk, Kancheepuram District under Category 'B' and Schedule S.No. 8(b) under the Environment Impact Assessment Notification, 2006, as amended.

The Competent Authority and Authorized signatory furnished detailed information in Form I and Form 1A and liquidate enclosures are as Annexures:

Annexure I

PROJECT DETAILS		
SL No	Description	Details
1)	Name of the Project proponent and address	The Managing Director M/s. State Industries Promotion Corporation of Tamil Nadu Limited. 19-A, Rukmani Lakshmipathy Road Post Box no.7223 Egmore Chennai-600 008
2)	Proposed Activity	Proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha
3)	Schedule No.	8(b)
4)	Project Location	
	i) Survey No	S.F. Nos. 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2,


MEMBER SECRETARY
SEIAA-TN

	543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E of Mannur Village & S.F.Nos. 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili Village Sriperumbudur Taluk, Kancheepuram District.																																													
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12	13°0'43.43"	79°56'39.51"																																												
13	13°0'45.86"	79°56'37.71"																																												
14	13°0'51.43"	79°56'39.32"																																												


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15	13°0'55.00"	79°56'47.68"
16	13°0'54.43"	79°56'47.44"
17	13°0'53.32"	79°56'50.53"
18	13°0'52.25"	79°56'49.22"
19	13°0'51.49"	79°56'51.69"
20	13°0'52.29"	79°56'51.76"
21	13°0'49.89"	79°56'57.22"
22	13°0'48.91"	79°56'57.77"
23	13°0'47.34"	79°56'57.25"
24	13°0'46.07"	79°57'0.04"
25	13°0'46.46"	79°56'58.05"
26	13°0'39.91"	79°56'57.41"
27	13°0'36.91"	79°57'7.55"
28	13°0'20.82"	79°57'4.54"
29	13°0'16.93"	79°57'5.27"
30	13°0'14.64"	79°57'4.36"
31	13°0'12.90"	79°57'6.93"
32	13°0'9.90"	79°57'0.31"
33	13°0'13.62"	79°56'49.37"

5) Details of area of the proposed industrial park

Village	Patta (ha)	Poramboke (ha)	Total (ha)
Mannur	26.250	1.450	27.700


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Nemili	56.535	8.425	64.960
Total	82.785	9.875	92.66

6) Breakup details of proposed development of Industrial park

Description	Area (Acre)	Ha	% of developable area
Plot Coverage	141.04	57.10	72.40
Common amenities	3.90	1.58	2.00
Commercial activities	5.84	2.36	3.00
Solid Waste Management	1.50	0.61	0.77
Road, Storm and drain	18.95	7.68	9.73
OSR area	17.59	7.12	9.03
Green Belt	5.98	2.42	3.07
Total developable area	194.8	78.87	100
Water bodies	23.39	9.47	
HT line with buffer (Line1 400Kv-46m ROW, Line2 110Kv-22m ROW)	6.73	2.72	
IOCL pipeline with 18m ROW	3.95	1.60	
Total area of the Industrial Park	228.87	92.66	


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7) Brief description of the project

The Industrial Park is proposed in 92.66 Ha (228.87 Acres) (Nemili village - 64.960 Ha, Mannur village -27.7 Ha) to accommodate only industries that will not fall under A or B Category as per EIA notification, 2006 and amendments.

Around 70% of the plotted area (40.23 Ha) is proposed to be allotted for Electronics and electrical parts manufacturing/ assembling industries.

20% of plotted area (11,15 Ha) is proposed for IT Parks and 10% of the plotted area (6.27 Ha) is proposed for Engineering industries (including fabrication), Auto ancillary industries, packaging industries falling under Red, Orange, Green and White category industries.

Industry Sector	Approximate % of Plot	Plot Nos	Area (Acres)	Area (Ha)	Schedule as per EIA Notification and its amendments	Category as per CPCB
Electronics & Electrical	70	1-25	99.36	40.23	Nil	Red, Orange, Green & white
IT Parks	20	26-33	27.55	11.15		
Other Non EC category industries such as Engineering (including Fabrication, Auto ancillary industries, packaging industries,	10	34-37	15.48	6.27		


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	etc					
		100		142.39	57.65	
8)	Green Belt area	5.98Acres				
9)	Source of Water	Fresh water requirement to be met from Chembarambakkam Lake. Treated water from TTRO plant of CMWSSB.				
10)	Water requirement:					
	Construction Phase	20 kLD - To be met from private tankers.				
	Operation Phase					
	Water Usage	Fresh water (kLD)	TTRO (kLD)	Recycled water (kLD)	Total water(kLD)	
	Domestic	200	0	0	200	
	Domestic (Flushing)	0	250	0	250	
	Utilities	0	0	192	192	
	Process	0	212	396	608	
	Green belt development	0	531	430	961	
	Total	200	993	1018	2211	
11)	Waste Water management :					
	Wastewater	Quantity	Methods of treatment and disposal			
	Sewage	430	Individual STP to be provided by each individual industry and the treated sewage to be used for Greenbelt.			


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	Effluent	590	Individual ETP with ZLD system by each individual industry and the treated effluent to be recycled for the process & utilities.
	SIPCOT to mandate and ensure installation of individual STP/ETP by the each individual industry.		
12)	Solid Waste Management		
	Component	Construction phase (Kg/day)	Operation phase (Kg/day)
	MSW - Organic waste	30	3000
	MSW - Inorganic waste	20	2000
	<p>MSW in Industrial Plots: SIPCOT to mandate and ensure that all the individual industries to manage the Municipal Solid Waste generated by them within their premises as per Solid waste Management Rules 2016 as amended.</p> <p>Municipal Solid Wastes to be segregated by the individual industries as organic and inorganic wastes. Organic wastes to be composted by each individual industry and to be used as manure for green belt development.</p> <p>Inorganic wastes to be disposed to TNPCB authorized recyclers by the each individual industry.</p> <p>MSW in area apart from Industrial Plots: SIPCOT has earmarked 1.5 Acres of land for establishment of Solid Waste</p>		


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			Management facility. Organic wastes to be composted using Organic waste convertor and compost will be used as manure for green belt development. Inorganic waste to be disposed to TNPCB authorized recyclers.
	Hazardous waste	Used oil from construction DGs	SIPCOT to mandate and ensure that all the individual industries to provide their own hazardous waste storage area within their site and to dispose the hazardous waste generated and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended.
	E waste	Not applicable	SIPCOT to mandate and ensure that all the individual industries to provide their own E- waste storage area within their site and to dispose the E-waste generated as per E Waste (Management) Rules 2016 as amended.
13)	Green Belt Area		Overall Green belt area including OSR - 70.1 Acres (28.383 ha). Green belt area by SIPCOT – 5.98 Acres (2.42 ha).
14)	Power requirement		The power requirement for the proposed industrial Park is 15 MVA. The Power requirement for the Park to be supplied by Tamil Nadu Generation and Distribution Co Ltd (TANGEDCO) from the Grid. Individual industries to have backup DG sets as per their requirement.
15)	Rain water Harvesting		Individual industries to provide adequate no. of RWH pits. To provide adequate RWH pits all along the storm


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		water drain.
16)	Storm Water Management	To provide open concrete channels along the road for collection of storm water.
17)	Project Cost	Rs.550 Crores
18)	EMP Cost	Capital Cost- Rs.827.53 Lakhs Recurring cost-Rs.11.0 Lakhs
19)	CER Cost	Rs. 5 Crores for development of ARHC facility in 2 acres of land as committed.

Annexure 2- Affidavit

I, Thiru. T. Anand, I.A.S, Managing Director, Authorized Signatory, representing M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) having registered office at 19-A, Rukmani Lakshmi pathy Road, Egmore, Chennai – 600008, for proposed “Development of Industrial Park over an extent of 92.66 Hectares (228.87 acres) at Mannur Village (S.F. Nos – 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E) and Nemili Village (S.F. Nos. - 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30) of Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu State, hereby take oath and state as under in this affidavit:

- I. The total water requirement of the park is estimated at 2211 KLD (Fresh water:200 KLD, TTRO water:993 KLD and Recycled water:1018 KLD). Fresh water requirement for the Industrial Park is proposed to be sourced from existing SIPCOT water supply scheme from Chembarambakkam Lake and TTRO water will be sourced through Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB).
- II. Power Supply (15 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member industries. The Individual industries will avail power supply from TANGEDCO and may have backup DG sets as per their requirement.


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- III. All member industries will be instructed to provide rain water harvesting structures as per norms. SIPCOT will construct Rainwater harvesting pits along the storm water drain for recharging ground water.
- IV. Storm water drainage will be provided as open concrete channels along the road ensuring proper collection of storm water and the same will be used for charging the rain water harvesting structures. We confirm that the storm water drain would not carry any untreated (or) treated sewage.
- V. All member industries will be instructed to have their own solid waste and hazardous storage facility within their Plot. Inorganic waste will be sold to TNPCB authorized recyclers by member units. SIPCOT has earmarked 1.5 Acres of land for establishment of Solid Waste Management facility.
- VI. All member industries will be mandated to store and dispose the hazardous waste generated within their premises as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- VII. Individual industries will be mandated to provide STP/ETP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system.
- VIII. Overall Greenbelt area of the park would be ~70.11 acres i.e. 35.99% of developable area i.e., 194.8 acres.
- IX. EMP cost of the park is INR 827.53 Lakhs. Details are given below:

Sl.No	Project Components	Capital Cost (Rs. in lakhs)
1	Storm Water drains	650.00
2	Rain Water Harvesting	40.00
3	Solid Waste Management	25.00
4	Green Belt Development	8.53
5	Fencing of Water channel	34.00
6	Solar Street Lights	45.00
7	Medical Dispensary / First Aid Facility	25.00
	Total EMP Cost	827.53

- X. As per MoEF&CC Office Memorandum dated 01.05.2018 and as per discussion in the 268th SEAC meeting dated 29.04.2022, SIPCOT has committed to earmark 2 Acres of land for the development of Industrial Housing Facility through Public Private Partnership (PPP) mode, which works to about ₹5 Crores towards


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Corporate Environment Responsibility (CER) activity. The same has been committed vide our letter dated 02.05.2022.

Declaration

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

SEAC Remarks:

Proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha at S.F. Nos -511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E in Mannur village, Sriperumbudur Taluk, Kancheepuram District. S.F.Nos. -1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 in Nemili village Sriperumbudur Taluk, Kancheepuram District Nemili Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s.State Industries promotion Corporation of Tamil Nadu - For Environmental Clearance.

(SIA/TN/MIN/59361/2020, dated: 23.12.2020)

The proposal was placed for appraisal in this 268th SEAC meeting held on 29.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. State Industries promotion Corporation of Tamil Nadu (SIPCOT), has applied for Environmental Clearance for the proposed Development of Industrial Park at Mannur and Nemili Villages in an area of 92.66 Ha at S.F.No: 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A Nemili Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(b) "Township Area Development Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, this proposal was placed before 223rd meeting of SEAC held on 30.07.2021, based on the presentation and documents furnished by the project


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proponent, SEAC decided to obtain following details from the PP.

- The project proponent shall leave the area for water bodies without any encroachment in the site as per FMB sketch. There are 6 water bodies within the area and hence the project proponent shall revise the plan accordingly leaving path for water bodies.
- The project proponent shall submit Village map, 'A' register.
- The project proponent shall revise storm water management plan. The storm water shall be collected, stored / treated and shall be reused.
- The project proponent shall not plan OSR area in HT line and any activity nearby HT line shall be strictly followed as per EB rules.
- The project proponent shall not include OSR in green belt area.
- The project proponent shall not plan any activity near IOC pipeline area.
- The project proponent shall not plan for any Red category type of industries.
- The project proponent shall work out pollution load, after deciding the planned infrastructure inside that are to be housed.

Based on PP reply on 29.4.2022, this proposal was again placed in 268th SEAC meeting held on 29.5.2022. The PP made a presentation along with replies to the above short comings raised in 223rd SEAC meeting. Based on the presentation made and documents furnished by the project proponent, SEAC decided **to recommend the proposal for the grant of Environmental Clearance** subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. All the water bodies shall be maintained properly.
2. The Project proponent shall consult with Auroville Foundation – Government of India organisation - for the development of waterbodies inside the Park.
3. The Proponent shall ensure that **no** schedule A & B industries as per EIA Notification 2006, shall be allowed in the Park.
4. The proponent shall construct ARHC complex to benefit a minimum of 5,000 workers, as a part of the development of the Park, before obtaining CTO.
4. The project proponent shall ensure that the individual industries to be housed in


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the SIPCOT to achieve ZLD.

5. The project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in the certificate.
6. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to SEIAA.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
8. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
9. The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
10. The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. Miyawaki method of planting i.e. planting different types of trees at very close intervals may be tried which will give a good green cover. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,
11. The project proponent shall provide entry and exit points for the OSR area as per the norms for the public usage and as committed.
12. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
13. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and


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Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.

14. No waste of any type to be disposed off in any other way other than the approved one.
15. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
16. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
17. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
18. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
19. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
20. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
21. **As accepted by the Project proponent, 2 acres of land shall be earmarked for the development of AHRC Facility.**

SEIAA Remarks:

The proposal was placed in the 513th Authority meeting held on 30.05.2022. The Authority after detailed discussions accepted the recommendation of SEAC and decided to grant of Environmental Clearance subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions:

1. The project proponent shall in-house only non - EIA attracting industries as per EIA notification as amended as proposed & committed.
2. The project proponent shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies within the proposed site in


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- concurrence with the competent authority before obtaining consent from TNPCB.
3. The project proponent shall obtain necessary permission for water bodies such as ponds, Canals/channels etc within the proposed site from the competent authority before obtaining CTE from TNPCB.
 4. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the Effluent generated by providing adequate individual ETP with ZLD followed by reject management system and shall reuse the treated effluent for the process activity.
 5. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the Sewage generated by providing adequate individual STP and shall reuse the treated sewage for the toilet flushing & green belt/gardening.
 6. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide elevated STP/ETP of adequate capacity & its utilities above the ground level with adequate height considering highest rainfall & flood level /inundation point of view as recommended by the competent authority for the proposed project site.
 7. The project proponent shall ensure that the industries to be in-housed shall adhere that no treated or untreated trade effluent/sewage is discharged outside the premises under any circumstances.
 8. The project proponent and the non - EIA attracting Industries to be in-housed shall provide the utilities/ arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage/effluent as proposed.
 9. The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.
 10. The project proponent shall obtain necessary permission for disposal of storm water to the nearby storm water drain from the competent authority before obtaining CTO.
 11. The project proponent shall ensure that industries to be in-housed shall operate and maintain the proposed individual STP / ETP efficiently and continuously to bring the quality of treated sewage/effluent to satisfy the discharge standards prescribed by the CPCB at all times.


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12. The recommendation for the issue of Environmental Clearance is subject to outcome of final orders of Hon'ble Madras High Court W.P Nos.27311/15, 31542/15, 29691/16,28851/16,38658/15,38659/15,31707/18 (Contempt Petition No .2042/19), 31708/18 (Contempt Petition No .2041/19)31711/18 (Contempt Petition No .2043/19), 31712/2018 (Contempt Petition No .2040/19).
13. All the construction of Buildings shall be energy efficient and conform to the green building norms.
14. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.
15. The proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.
16. All biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.
17. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
18. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
19. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco friendly and support sustainable management of the natural resources within and outside the campus premises.
20. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
21. The proponent shall ensure that provision should be given for proper utilization of recycled water.
22. The proponent shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
23. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
24. All the Buildings shall be energy efficient and confirm to the green building norms.


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25. The proponent shall ensure utmost safety for the existing biodiversity, trees, flora & fauna in and around the project site & shall not disturb under any circumstances.
26. The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.
27. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.
28. The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
29. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP.
30. The proponent shall ensure to provide the emergency exit in the buildings.
31. The proponent shall ensure to provide elevator as per rules CMDA/DTCP.
32. The proponent shall ensure to provide adequate capacity of DG set (standby) for the proposed STP so as ensure continues and efficient operation.
33. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
34. The project proponent shall adhere to storm water management plan as committed.

Environmental Clearance along with the conditions containing four parts namely

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

Part - B –Specific Conditions – Pre construction phase

Part - C - Specific Conditions – Construction phase

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

Validity:

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


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

1. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
2. The construction of STP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.
3. The project proponent shall obtain and adhere to flood inundation certificate and shall fix the level according to the conditions issued recommended by competent authority.
4. The project proponent shall ensure to provide and maintain adequate safety distance & Safety measures/ Environmental mitigation measures periodically for the ecosystem such as water bodies, reserve forest/forest, grazing fields, agricultural fields & underground pipelines etc in & around the proposed site as recommended by competent authority time to time.
5. The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.
6. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
7. The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
8. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.


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9. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
10. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
11. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
12. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
13. The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
14. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
15. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
16. 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


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MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.

17. The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
18. The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
19. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
20. The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
21. Where the trees need to be cut, compensation plantation in the ratio of 1:10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.
22. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
23. The EMP cost shall be deposited in a Nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.
24. The project activity should not cause any disturbance & deterioration of the local bio diversity.


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25. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
26. All the assessed flora & fauna should be conserved and protected.
27. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
28. As per MoEF & CC, GoI, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10KM from National Park and Sanctuaries.
29. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
30. The safety measures proposed in the report should be strictly followed.
31. The Developer shall ensure that no allotment letter/ sale deed in any form shall be made to house category A or category B industry as prescribed in the schedule of EIA notification 2006. However, in case any category A or category B type of industry as prescribed in the schedule of EIA notification 2006 is proposed then the individual unit shall apply and seek Environmental Clearance under the EIA notification 2006.
32. The Developer shall mandate the member industries of the Industrial Park to allot 33% of the plot area for green belt development and to install RWH structures.
33. The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents, solid waste & E waste management, gaseous emission and noise control measures to achieve the standards prescribed by the TNPCB.
34. The project proponent shall ensure that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of one time use on and throwaway plastics.


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35. The project proponent must submit the permissible land use classification certificate obtained from competent authority for the proposed project before obtain the CTE from TNPCB.
36. The CER fund shall be utilized as per the office memorandum of MoEF & CC dated 01.05.2018 before obtaining CTO from TNPCB.
37. The allotted industrial units shall obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
38. The project proponent shall ensure that 33% of the total area of the project site should be covered with green belt.
39. The proponent shall provide adequate nos. of Rain Water Harvesting pits so as to recharge the ground water table.
40. Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.
41. It is the sole responsibility of the proponent that the treated sewage disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
42. The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents,
43. The project proponent shall ensure that all the member units should treat and dispose solid waste & E-waste as per the Solid Waste Management Rule 2016 as amended and E-Waste Management Rules, 2016
44. There shall be no discharge of effluent outside the Industrial Park at any time.
45. The Developer shall mandate the member units of the Industrial Park to install adequate APC measures/Acoustic to achieve air emissions standards within permissible limits prescribed by the CPCB.

Part - B – Specific Conditions – Pre construction phase:

1. The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the


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- press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
 3. A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.
 4. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc before commencement of the work.
 5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
 6. Design of buildings should be in conformity with the Seismic Zone Classifications.
 7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
 8. No construction activity of any kind shall be taken up in the OSR area.
 9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
 10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
 11. The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.
 12. The project proponent shall ensure the level of basement shall be above maximum flood level.
 13. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details
 - i. Location of STP, compost system, underground sewer line.
 - ii. Pipe Line conveying the treated effluent for green belt development.


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- iii. Pipe Line conveying the treated effluent for toilet flushing
 - iv. Water supply pipeline
 - v. Gas supply pipe line, if proposed
 - vi. Telephone cable
 - vii. Power cable
 - viii. Storm water drains, and
 - ix. Rain water harvesting system, etc., and it shall be made available to the owners
14. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
 15. The present land use surrounding the project site shall not be disturbed at any point of time.
 16. The green belt area shall be planted with indigenous native trees.
 17. Natural vegetation listed particularly the trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.
 18. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
 19. The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
 20. There should be Fire fighting plan and all required safety plan.
 21. Regular fire drills should be held to create awareness among owners/ residents.

Part - C - Specific Conditions – Construction phase:

1. Construction Schedule:

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

2. Labour Welfare:

- i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.


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- ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.
- iii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

3. Water Supply:

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

4. Solid Waste Management:


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- i) In the solid waste management plan, the STP sludge management plan for direct use as manure for gardens is not acceptable; it must be co-composted with biodegradables.
- ii) House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.
- iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.
- iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.

5. Top Soil Management:

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

6. Construction Debris disposal:

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

7. Diesel Generator sets:

- i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall


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conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.

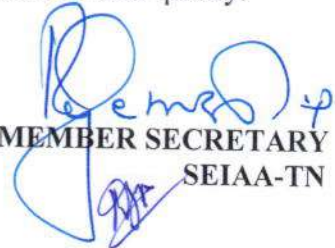
- ii) The diesel required for operating stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.
- iii) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets,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

8. Air & Noise Pollution Control:

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

9. Building material:

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


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

10. Storm Water Drainage:

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

11. Energy Conservation Measures:

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

12. Fire Safety:

- i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.


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- ii) Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.

13. Green Belt Development:

- i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.
- ii) The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. Miyawaki method of planting i.e. planting different types of trees at very close intervals may be tried which will give a good green cover. The proponent shall earmark the greenbelt area with CPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 15% of the total area and the same shall not be used for car parking/OSR.
- iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.
- iv) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area and the same shall be included in the layout out plan to be submitted for DTCP approval.

14. Sewage Treatment Plant:

- i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed Academic institutions for its adequacy and a


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report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.

- ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.
- iii) The project proponent shall operate and maintain the Sewage treatment Plant effectively to meet out the standards prescribed by the CPCB.
- iv) The project proponent shall continuously operate and maintain the Sewage treatment plant to achieve the standards prescribed by the CPCB.
- v) The project proponent has to ensure the complete recycling of treated sewage after achieving the standards prescribed by the CPCB.
- vi) The project proponent has to provide separate standby D.G set for the STP for the continuous operation of the STP in case of power failure.

15. Rain Water Harvesting:

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

16. Building Safety:

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

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

1. There should be Fire fighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.


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3. House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.
4. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
5. The project proponent has to furnish the certificate stating that the proposed site had not encroached any water body (rivers, canals, lakes, ponds, tanks, etc) from its original boundary shall be obtained from the competent authority before obtaining CTE from TNPCB.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. Solar energy saving shall be increased to atleast 10% of total energy utilization.
8. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
9. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.
10. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
11. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
12. The project activities should in no way disturb the manmade structures.


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13. The Proponent shall do afforestation/ restoration programme contemplated to strengthen the open spaces shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
14. "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.
15. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
16. The Proponent ensure the proper maintenance of common facilities including greening, rain water harvesting, storm water disposal, sewage treatment and disposal, solid waste disposal and environmental monitoring for the industrial park premises and for the industries to be in-housed for the entire period.
17. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
18. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. The treated sewage shall conform to the norms and standards for bathing quality laid down by CPCB irrespective of any use. Necessary measures should be made to mitigate the odour and mosquito problem from STP.
19. The Proponent shall ensure operation of STP continuously by providing stand by DG set in case of power failure.
20. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
21. The E - waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016 as amended.
22. Diesel power generating sets proposed as source of back-up power during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.
23. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.


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24. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
25. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
26. The proponent ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
27. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
28. A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.
29. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.


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Copy to:

1. The Additional Chief Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Integrated Regional Office, Ministry of Environment & Forest (SEZ), Chennai - 34.

5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. The District Collector, Kanchipuram District
7. Stock File.





TAMILNADU POLLUTION CONTROL BOARD

Receipt No.: 851/2022

Category of the Industry :

RED



CONSENT ORDER NO. 2201247199402

DATED: 28/12/2022.

PROCEEDINGS NO.T4/TNPCB/F.3089SPR/RL/SPR/A/2022 DATED: 28/12/2022



SUB: TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK, NEMILI , S.F. No. S.F. Nos – 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E) of Mannur Village and S.F. Nos. - 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili Village, MANNUR village, Sriperumbudur Taluk and Kancheepuram District - for the establishment or take steps to establish the industry under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987(Central Act. 14 of 1981)-Issued -Reg.

REF: 1. Unit's application for CTE-New on 12.09.2022/ 03.12.2022
2. IR.No : F.3089SPR/RL/AEE/SPR/2022 dated 21/11/2022
3. Minutes of TSC Resolution No. 208-03 dated 22.12.2022

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, NEMILI

S.F.No.S.F. Nos – 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E) of Mannur Village and S.F. Nos. - 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili Village,

MANNUR Village,

Sriperumbudur Taluk,

Kancheepuram District.

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

S.F.No. S.F. Nos – 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E) of Mannur Village and S.F. Nos. - 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili Village,

MANNUR Village,

Sriperumbudur Taluk,

Kancheepuram District.

This Consent to establish is valid upto **May 29, 2029**, or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.



TAMILNADU POLLUTION CONTROL BOARD

Digitally signed by
RAGUPATHI
SANGANAN
SANGANAN
Date: 2022.12.29
12:14:34 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.SIPCOT INDUSTRIAL PARK, NEMILI,
The State Industries Promotion Corporation of Tamilnadu Limited, 19-A, Rukmani Lakshmi pathy Road, Egmore, Chennai ,
Pin: 600008

Copy to:

1. The Commissioner, SRIPERUMBUDUR-Panchayat Union, Sriperumbudur Taluk, Kancheepuram District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, SRIPERUMBUDUR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
 4. File
-



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

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

Sl. No.	Description	Quantity	Unit
Product Details			
1.	The Industrial Park is an infrastructure development project proposed in 92.66 Ha (228.87 Acres) (Nemili village - 64.90 Ha, Mannur village - 27.2 Ha) which involves development and maintenance of roads, storm water drains, water supply, power supply through TANGEDCO, street lights, green belt development and other such amenities to accommodate only industries that will not fall under A or B Category as per EIA notification, 2006 and amendments.	92.66	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 Nm ³ /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 SIPCOT shall ensure to comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Lr.No.SEIAA-TN/F.No.7640/EC/8(b)/835/2022 dated 30.05.2022.
2. The SIPCOT shall ensure that no process emission is let out from its activity.
3. The SIPCOT 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.
4. The SIPCOT shall ensure that the allotted industries provide adequate APC/ acoustic/ odour control measures, so as to ensure that the emission satisfy the AAQ/SM/ANL standards prescribed by the Board and for containment of odour emanating from the industries.
5. The SIPCOT shall initiate action to develop green belt in 33% of total area with native species.
6. The SIPCOT shall remit consent fee in case of revision by the Government.

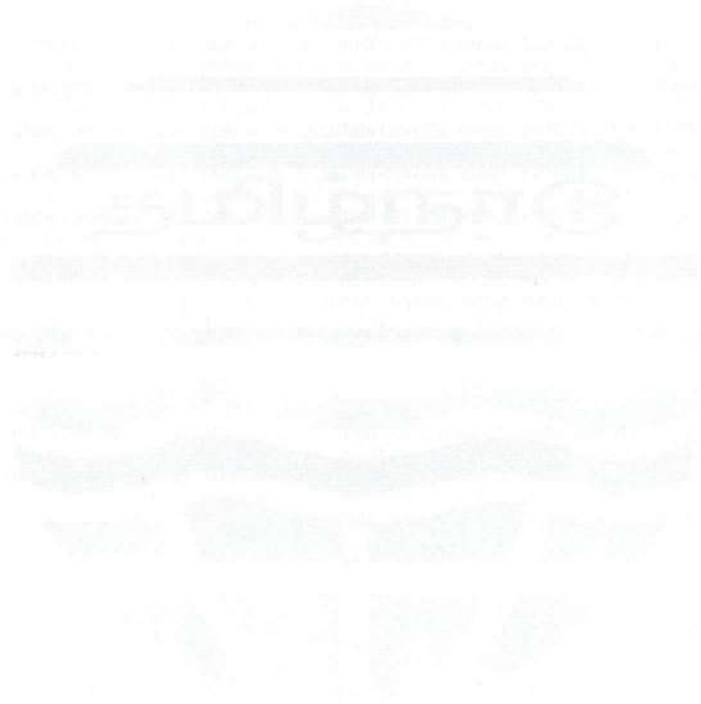


TAMILNADU POLLUTION CONTROL BOARD

**RAGUPATHI
SANGANAN**

Digitally signed by
RAGUPATHI
SANGANAN
Date: 2022.12.29
12:15:10 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai





TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

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

Digitally signed by
RAGUPATHI SANGANAN
Date: 2022.12.29
12:15:41 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

ON I.G.S. ONLY

பிளாஸ்டிக் மாசில்லா தமிழகத்தை உருவாக்குவோம் !



To
The Managing Director,
M.s.S.PCOT INDUSTRIAL PARK, NEMILI,
The State Industries Promotion Corporation of Tamilnadu Limited, 19-A, Rukmani Lakshmi pathy Road, Egmore, Chennai
Pin: 600008



Tamil Nadu Pollution Control Board

No.76, Mount Salai, Guindy, Chennai - 600 032.
Telephone : 22353134 to 141
Telegram : 'CONPOL' Fax : 044 - 22353068
E-mail : tnpcb-chn@gov.in

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CUSM ID - 6000005610
POSTED AT NSH CH-16



TAMILNADU POLLUTION CONTROL BOARD

Receipt No: 848/2023



Category of the Industry :

RED

CONSENT ORDER NO. 2201147199402

DATED: 28/12/2022.

PROCEEDINGS NO.T4/TNPCB/F.3089SPR/RL//SPR/W/2022 DATED: 28/12/2022

SUB: TNPC Board-Consent for Establishment-M/S SIPCOT INDUSTRIAL PARK, NEMILI S.F No. S.F. Nos – 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E) of Mannur Village and S.F. Nos. - 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili Village, MANNUR Village, Sriperumbudur Taluk, Kancheepuram District - for the establishment or take steps to establish the industry under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 (Central Act 6 of 1974)- Issued- Reg.

REF: 1. Unit's application for CTE-New on 12.09.2022/ 03.12.2022
2. IR.No : F.3089SPR/RL/AEE/SPR/2022 dated 21/11/2022
3. Minutes of TSC Resolution No. 208-03 dated 22.12.2022

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, NEMILI

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

S.F. No.S.F. Nos – 511/9A, 512/2A1A, 512/2A1B, 512/2A2, 512/2A3, 512/2B, 512/2C, 512/2D, 512/2E, 512/4A1A1, 512/4A1A2, 512/4A1B, 512/4A2, 512/4A3, 512/4A4, 512/5, 512/6, 512/7, 513, 514, 516, 517, 518, 519 Pt, 540B/2A1, 540B/2A2, 540B/2B, 540B/2C, 541pt, 542B/1A1A, 542B/1A1B, 542B/1A2, 543B/B1, 543B/B2, 544B, 650/1A1A, 650/1A1B, 650/1A2, 650/1B, 650/1C, 650/1D, 650/1E) of Mannur Village and S.F. Nos. - 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 19, 20, 21, 22, 23, 28, 29, 30 of Nemili Village,

MANNUR Village,
Sriperumbudur Taluk,
Kancheepuram District.

This Consent to establish is valid upto **May 29, 2029**, 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.

Digitally signed by
RAGUPATHI SANGANAN
Date: 2022.12.29
12:12:12 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.SIPCOT INDUSTRIAL PARK, NEMILI,
The State Industries Promotion Corporation of Tamilnadu Limited, 19-A, Rukmani Lakshmi pathy Road, Egmore, Chennai ,
Pin: 600008



TAMILNADU POLLUTION CONTROL BOARD

Copy to:

1. The Commissioner, SRIPERUMBUDUR-Panchayat Union, Sriperumbudur Taluk, Kancheepuram District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, SRIPERUMBUDUR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
 4. File
-



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

- 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.	The Industrial Park is an infrastructure development project proposed in 92.66 Ha (228.87 Acres) (Nemili village - 64.90 Ha, Mannur village - 27.2 Ha) which involves development and maintenance of roads, storm water drains, water supply, power supply through TANGEDCO, street lights, green belt development and other such amenities to accommodate only industries that will not fall under A or B Category as per EIA notification, 2006 and amendments.	92.66	Hectares

- 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 m x 2.3 m x 1.9
2.	Soak Pit	1	1.0 m dia x 2.5 m Ht
b	Effluent Treatment Plant:		
Treatment status: No trade effluent and hence does not arise			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.			

- 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(From SIPCOT Project office)	0.85	On Industrys own land
2.	Sewage 2(From Individual industries)	430.0	Individual STP to be provided by each individual industry and the treated sewage to be used for Green belt
Effluent Type : Trade Effluent			
1.	Effluent from Individual Industries	590.0	Individual ETP with ZLD system by each individual industry and the treated effluent to be recycled for the process & utilities.

- Special Additional Conditions:**



TAMILNADU POLLUTION CONTROL BOARD

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 SIPCOT shall ensure to comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Lr.No.SEIAA-TN/F.No.7640/EC/8(b)/835/2022 dated 30.05.2022.
2. The issue of CTE to the project shall not be construed as CTO and shall not commission the project without obtaining CTO from the Board.
3. The SIPCOT shall start its establishment activities only after getting the necessary project/building approvals from the competent authorities.
4. In accordance with Item No.9 of the EIA Notification, 2006, the SIPCOT shall possess valid EC while applying for CTO of the Board.
5. In accordance with Item No.11 of the EIA Notification, 2006, SIPCOT shall obtain NOC from MoEF/ SEIAA in the event of transfer of original EC in a different name.
6. This consent order does not absolve from obtaining necessary permission / Clearance from other Authority or under other statutes as applicable.
7. The SIPCOT shall obtain and furnish the approved planning permission from the Competent Authority while applying for CTO of the Board.
8. The stability of the entire building does not falls under the purview of the TNPC Board.
9. The SIPCOT shall allow only the industries that do not attract the provisions of EIA notification 2006 as amended in the industrial park as per the EC obtained.
10. The SIPCOT shall ensure that the allotted industrial units obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
11. The SIPCOT 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.
12. The SIPCOT shall submit baseline data for ground water to assess the quality of ground water around 1 KM radius outside the boundary of the project and also from available open wells inside the premises within a month's time.
13. The SIPCOT shall monitor the ground water in and around the unit premises periodically, so as to assess its quality and submit the ROA of the same to the Board.
14. The SIPCOT shall ensure that all the individual industries manage the Municipal Solid Waste generated by them within their premises as per Solid waste Management Rules 2006 as amended.
15. The SIPCOT shall provide a common solid waste treatment and disposal facility for the disposal of solid wastes (bio degradable wastes).
16. The bio degradable solid waste, non bio degradable solid waste, STP sludge, etc., shall be properly collected, segregated and disposed as per the provision of Solid waste(Management and Handling) Rules, 2016.
17. The SIPCOT shall allot 5% of the total plot area for Solid Waste Management as per the Solid waste Management Rules, 2016 as amended.
18. The SIPCOT shall earmark the area allotted for Greenbelt development and 5% for Solid Waste Management in a layout plan and furnish the same while applying for CTO of the Board.
19. The SIPCOT shall provide Rain Water Harvesting pits so as to recharge the ground water table.
20. The SIPCOT shall ensure that the plastic wastes are segregated and disposed as per the provisions of Plastic Waste (Management and Handling) Rules, 2016.
21. The SIPCOT shall properly develop the common amenities like road, Storm water drain, street lights, water supply pipelines and avenue plantation in OSR area.
22. The SIPCOT shall earmark the buffer zone all around the periphery of the layout.
23. The SIPCOT shall provide solar powered lights for illumination of common areas, lighting for gardens and street lighting.
24. The SIPCOT shall ensure that all the allotted industries implement ZLD system for treating the trade effluent and shall ensure that no treated/ untreated sewage or trade effluent gain access outside the unit premises on land/water sources under any circumstance.
25. The SIPCOT shall ensure that the allotted units not dig any well or bore well inside their premises for drawing of ground water.
26. The SIPCOT shall comply with the E- waste Management Rules, 2016. E-waste as listed in Schedule – I if generated, 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 generation in Form – 2 and make such records available for scrutiny by the TNPCB.
27. The SIPCOT shall ensure that the Industries housed in the Industrial Estate treat and dispose the sewage, trade effluent, solid waste, hazardous waste & E-waste disposal in compliance with the respective Acts.
28. The SIPCOT shall remit consent fee in case of revision by the Government.



TAMILNADU POLLUTION CONTROL BOARD

Digitally signed by
RAGUPATHI SANGANAN
Date: 2022.12.29
12:12:56 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai



TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

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

Digitally signed by
RAGUPATHI
SANGANAN
Date: 2022.12.29
12:13:28 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

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**.

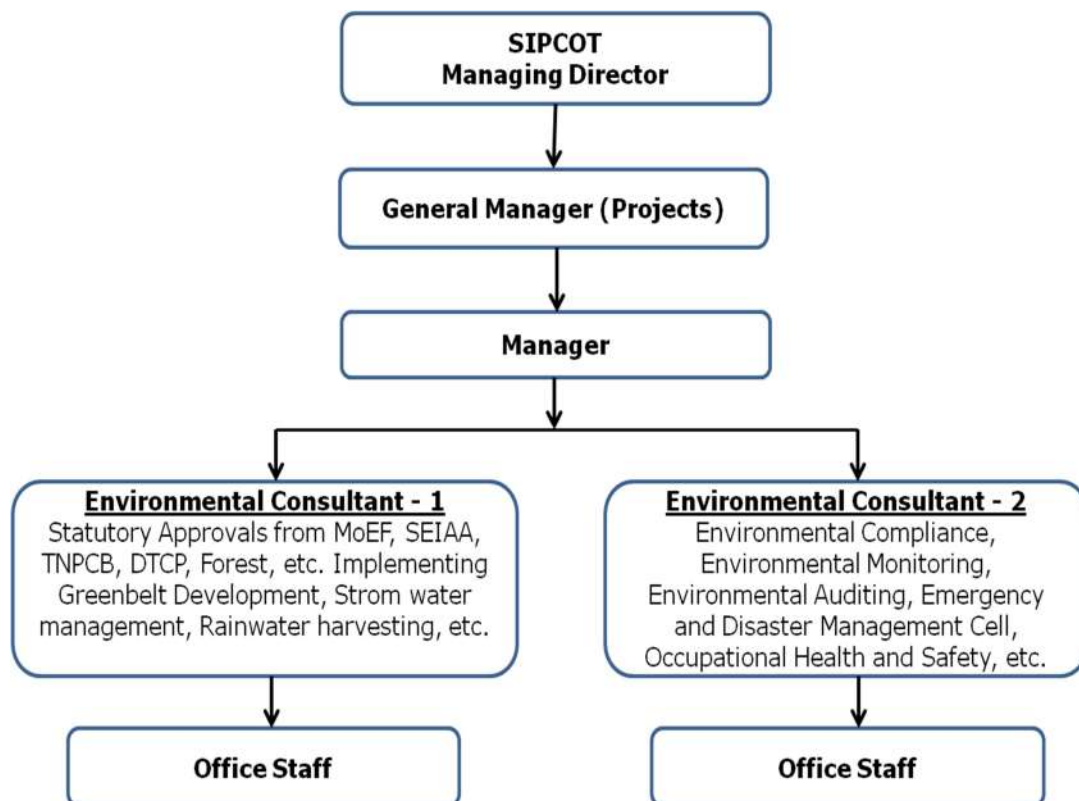


Figure - 1 Organogram for Environmental Management Cell

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.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : NemiliReport No. : HECSL/AA/9/130923
Report Date : 19/09/2023Sample Description : Ambient Air Quality
Sampling Location : Near Project Area
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 -13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

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	$\mu\text{g}/\text{m}^3$	22.15	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	47.11	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	24.35	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	$\mu\text{g}/\text{m}^3$	11.75	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	$\mu\text{g}/\text{m}^3$	7.20	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



[Signature]
Authorized Signatory
D. ANUSUYA
Deputy Quality Manager

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : NemiliReport No. : HECSL/AA/10/130923
Report Date : 19/09/2023Sample Description : Ambient Air Quality
Sampling Location : Panjamathangal
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 - 13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards: 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	8.87	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	19.22	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	45.15	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	24.26	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	$\mu\text{g}/\text{m}^3$	7.22	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

D. ANUSUYA
Deputy Quality Mgr

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : NemiliReport No. : HECSL/AA/11/130923
Report Date : 19/09/2023Sample Description : Ambient Air Quality
Sampling Location : Valapuram
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 - 13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	µg/m ³	10.85	CPCB guide lines Volume I : 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m ³	21.72	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m ³	44.16	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	µg/m ³	23.85	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	µg/m ³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m ³	10.88	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m ³	6.95	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/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	µg/m ³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

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

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

End of Report



Authorized Signatory

D. ANUSUYA

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : NemiliReport No. : HECSL/AA/12/130923
Report Date : 19/09/2023Sample Description : Ambient Air Quality
Sampling Location : Thandal
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 12/09/2023 - 13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	µg/m ³	13.95	CPCB guide lines Volume 1 : 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m ³	24.16	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m ³	57.88	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	µg/m ³	25.66	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	µg/m ³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m ³	12.75	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m ³	7.85	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/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	µg/m ³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

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

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

End of Report



Authorized Signatory
Deputy Quality Manager

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : NemiliReport No. : HECSL/AA/13/130923
Report Date : 19/09/2023Sample Description : Ambient Air Quality
Sampling Location : Anakaputhur
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 12/09/2023 - 13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	$\mu\text{g}/\text{m}^3$	9.84	CPCB guide lines Volume 1 : 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	$\mu\text{g}/\text{m}^3$	17.98	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 μm	$\mu\text{g}/\text{m}^3$	41.76	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	$\mu\text{g}/\text{m}^3$	23.48	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	$\mu\text{g}/\text{m}^3$	5.18	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

D. ANUSUYA
Density Quality

TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Report No. : HECSL/WT/006/130923

Address of the Client : Nemili

Report Date : 19/09/2023

Sample Description : WATER

Sample Mark Sample : Near Project Area - Ground Water

Drawn By : Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 11/09/2023 -13/09/2023

Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.71	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO ₃	mg/l	75.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	330.0	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	3.1	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO ₃	mg/l	90.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	24.45	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	32.17	4500 Cl — B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	7.53	IS 3025 (Part - 46):1994	30	100
10	Total Dissolved Solids	mg/l	185.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO ₄	mg/l	18.22	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	BLQ(LOQ:0.2)	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO ₃	mg/l	6.59	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.086	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



Authorized Signatory

D. ANUSUYA

Deputy Quality Manager

TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Report No. : HECSL/WT/006/130923

Address of the Client : Nemili

Report Date : 19/09/2023

Sample Description : WATER

Sample Mark Sample : Near Project Area - Ground Water

Drawn By : Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 11/09/2023 -13/09/2023

Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
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
24	Sodium as Na	mg/l	20.0	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	0.086	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	7.0	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	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.4	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	0.037	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	91.5	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	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	%	31.09	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	-	0.90	IS 11624 - 1986	NA	NA

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

End of Report



(Signature)
 Authorized Signatory
 D. ANUSUYA
 Deputy Quality

Hubert Enviro Care Systems (P) Ltd.

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Laboratory Services Division

(Chemical & Biological Testing)
Recognized by MoEF, BIS
FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 2


Name of the Client : M/s. SIPCOT
Address of the Client : Nemili
Sample Description : WATER
Sample Mark Sample : Valapuram- Ground Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 -13/09/2023
Analysis Commenced On : 13/09/2023

Report No. : HECSL/WT/007/130923
Report Date : 19/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.53	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO ₃	mg/l	110.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	529.0	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	1.7	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO ₃	mg/l	176.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	46.09	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	63.34	4500 Cl -- B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	14.82	IS 3025 (Part - 46):1994	30	100
10	Total Dissolved Solids	mg/l	296.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO ₄	mg/l	21.57	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.34	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO ₃	mg/l	23.14	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.058	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




Authorized Signatory
D. ANUSUYA
Deputy Quality Manager

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items. 6. HECS will not be responsible for the information shared by clients related to samples tested.

HECS/Q/FMT/50

TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT
Address of the Client : Nemili
Sample Description : WATER
Sample Mark Sample : Valapuram- Ground Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 -13/09/2023
Analysis Commenced On : 13/09/2023Report No. : HECSL/WT/007/130923
Report Date : 19/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
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
24	Sodium as Na	mg/l	31.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	2.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	0.027	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	3.0	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	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	134.2	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	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	I
39	Percent Sodium as Na	%	27.29	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	-	1.01	IS 11624 - 1986	NA	NA

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

End of Report



(Signature)
Authorized Signatory
D. ANUSUMA
Deputy Quality Manager

TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Report No. : HECSL/WT/008/130923

Address of the Client : Nemili

Report Date : 19/09/2023

Sample Description : WATER

Sample Mark Sample : Anakaputhur - Ground Water

Drawn By : Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 12/09/2023 -13/09/2023

Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.36	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO ₃	mg/l	120.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	1069.0	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	2.8	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO ₃	mg/l	200.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	44.09	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	215.27	4500 Cl --- B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	21.87	IS 3025 (Part - 46):1994	30	100
10	Total Dissolved Solids	mg/l	598.0	IS 3025(Part-16):1984	500	2000
11	Sulphate as SO ₄	mg/l	7.65	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	10.56	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.093	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



Authorized Signatory
D. SRINIVASA
Deputy Quality Manager

TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT
Address of the Client : Nemili
Sample Description : WATER
Sample Mark Sample : Anakaputhur - Ground Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 12/09/2023 -13/09/2023
Analysis Commenced On : 13/09/2023

Report No. : HECSL/WT/008/130923
Report Date : 19/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
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
24	Sodium as Na	mg/l	125.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	11.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	0.065	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	6.0	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	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.7	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	0.041	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	146.4	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	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	I
39	Percent Sodium as Na	%	55.78	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	-	3.83	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
D. ANUSUYA
Deputy Quality

TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Report No. : HECSL/WT/009/130923

Address of the Client : Nemili

Report Date : 19/09/2023

Sample Description : WATER

Sample Mark : Nemili Lake -Surface Water

Sample Drawn By : Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 12/09/2023 -13/09/2023

Analysis Commenced On : 13/09/2023

Completed On : 13/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296 Class-A)
1	pH (at 25 °C)	-	7.68	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO ₃	mg/l	45.0	IS 3025 (Part - 23):1986	NA
3	Electrical conductivity	µS/cm	271.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	3.5	IS 3025(Part - 10):1984	1
6	Total Hardness as CaCO ₃	mg/l	57.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	12.83	IS 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	34.15	4500 Cl --- B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	6.08	IS 3025 (Part - 46):1994	NA
10	Total Dissolved Solids	mg/l	152	IS 3025(Part-16):1984	500
11	Sulphate as SO ₄	mg/l	15.67	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	BLQ(LOQ:0.2)	IS 3025 (Part - 60):1986	1.5
13	Nitrate as NO ₃	mg/l	4.12	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	0.13	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
D. ANUSUYA
Deputy Quality Manager

TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT
Address of the Client : NemiliReport No. : HECSL/WT/009/130923
Report Date : 19/09/2023Sample Description : WATER
Sample Mark : Nemili lake - Surface Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 12/09/2023 -13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296 Class-A)
24	Sodium as Na	mg/l	22.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	2.0	IS3025 (Part - 45):1993	NA
26	Phosphate as PO4	mg/l	0.032	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	8.0	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 O2	mg/l	2.0	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as	mg/l	16.0	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	54.9	IS 3025 (Part - 23):1986	NA
37	Phenolic compounds as	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	%	44.38	IS 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	I
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	-	1.26	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

D. ANUSUYA

Deputy Quality

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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Report No. : HECSL/WT/010/130923

Address of the Client : Nemili

Report Date : 19/09/2023

Sample Description : WATER

Sample Mark : Chembarambakkam lake - Surface Water

Sample Drawn By : Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 12/09/2023 - 13/09/2023

Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296 Class-A)
1	pH (at 25 °C)	-	7.68	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO ₃	mg/l	50.0	IS 3025 (Part - 23):1986	NA
3	Electrical conductivity	µS/cm	318.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	3.8	IS 3025(Part - 10):1984	1
6	Total Hardness as CaCO ₃	mg/l	70.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	16.03	IS 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	39.59	4500 Cl -- B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	3.29	IS 3025 (Part - 46):1994	NA
10	Total Dissolved Solids	mg/l	178.0	IS 3025(Part-16):1984	500
11	Sulphate as SO ₄	mg/l	23.42	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	BLQ(LOQ:0.2)	IS 3025 (Part - 60):1986	1.5
13	Nitrate as NO ₃	mg/l	5.61	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	0.67	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




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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT
Address of the Client : Nemili

Report No. : HECSL/WT/010/130923
Report Date : 19/09/2023

Sample Description : WATER
Sample Mark : Chembarambakkam lake - Surface Water
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 12/09/2023 - 13/09/2023
Analysis Commenced On : 13/09/2023

Completed On: 19/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296 Class-A)
24	Sodium as Na	mg/l	25.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	3.0	IS3025 (Part - 45):1993	NA
26	Phosphate as PO4	mg/l	0.476	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	80.0	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	4.0	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as	mg/l	28.0	IS 3025 (Part - 58):2006	NA
33	Dissolved oxygen	mg/l	5.8	IS 3025 (Part - 38):1989	6
34	Total Phosphorous as P	mg/l	0.023	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	61.0	IS 3025 (Part - 23):1986	NA
37	Phenolic compounds as	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	%	42.25	IS 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ:0.01)	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	-	1.29	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

D. ANUSUYA
Deputy Quality Mgr.

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items. 6. HECS will not be responsible for the information shared by clients related to samples tested.

HECS/Q/FMT/50

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Nemili

Report No. : HECSL/SD/1/130923

Report Date : 19/09/2023

Sample Description : SOIL

Sample Mark : Project Area

Sample Drawn By : Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 11/09/2023 -13/09/2023

Completed On : 19/09/2023

Analysis Commenced On : 13/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Silty Clay Loam	ASTM D421/422
2	Organic Carbon		1.76	ASTM D421/422
3	Soil Texture i)Sand	%	19.2	ASTM D421/422
4	Soil Texture ii)Silt	%	43.4	ASTM D421/422
5	Soil Texture iii)Clay	%	37.4	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	8.31	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	266.5	IS:14767:2000
8	Cation exchange capacity	meq/100g	3.6	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.51	IS:2720 (Part-22): 1972)
10	Nitrogen	mg/kg	63.7	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	8.6	IS 10158:1982
12	Potassium	mg/kg	47.36	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	4.27	US EPA 200.8 Method
16	Iron	mg/kg	3.71	US EPA 200.8 Method
17	Manganese	mg/kg	153.41	US EPA 200.8 Method
18	Zinc	mg/kg	32.76	US EPA 200.8 Method
19	Colour	-	Red	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	3.8	ASTM D6391-11
21	Bulk density	gm/cc	3.82	ASTM D6683-14
22	Moisture Content	%	12.31	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	26.13	IS 14765
24	Calcium as Ca	mg/kg	116.03	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	51.62	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	26.72	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

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Nemili

Report No. : HECSL/SD/2/130923
Report Date : 19/09/2023

Sample Description : SOIL
Sample Mark : Panjamathangal
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 -13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		1.47	ASTM D421/422
3	Soil Texture i)Sand	%	25.1	ASTM D421/422
4	Soil Texture ii)Silt	%	43.1	ASTM D421/422
5	Soil Texture iii)Clay	%	31.8	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.72	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	352.1	IS:14767:2000
8	Cation exchange capacity	meq/100g	6.7	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.68	IS:2720 (Part-22): 1972)
10	Nitrogen	mg/kg	143.62	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	0.67	IS 10158:1982
12	Potassium	mg/kg	36.65	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	7.31	US EPA 200.8 Method
16	Iron	mg/kg	BLQ(LOQ 0.02)	US EPA 200.8 Method
17	Manganese	mg/kg	117.53	US EPA 200.8 Method
18	Zinc	mg/kg	33.17	US EPA 200.8 Method
19	Colour	-	Brown	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	6.32	ASTM D6391-11
21	Bulk density	gm/cc	4.38	ASTM D6683-14
22	Moisture Content	%	7.31	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	24.65	IS 14765
24	Calcium as Ca	mg/kg	134.24	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	73.26	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	21.41	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

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Nemili

Report No. : HECSL/SD/3/130923

Report Date : 19/09/2023

Sample Description : SOIL
Sample Mark : Valapuram
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 -13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		0.32	ASTM D421/422
3	Soil Texture i)Sand	%	24.4	ASTM D421/422
4	Soil Texture ii)Silt	%	44.5	ASTM D421/422
5	Soil Texture iii)Clay	%	31.1	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	8.22	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	328.7	IS:14767:2000
8	Cation exchange capacity	meq/100g	3.6	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	1.48	IS:2720 (Part-22): 1972)
10	Nitrogen	mg/kg	57.62	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	3.61	IS 10158:1982
12	Potassium	mg/kg	38.41	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	6.27	US EPA 200.8 Method
16	Iron	mg/kg	BLQ(LOQ 0.02)	US EPA 200.8 Method
17	Manganese	mg/kg	152.7	US EPA 200.8 Method
18	Zinc	mg/kg	24.16	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	4.72	ASTM D6391-11
21	Bulk density	gm/cc	3.62	ASTM D6683-14
22	Moisture Content	%	22.3	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	16.31	IS 14765
24	Calcium as Ca	mg/kg	88.2	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	86.21	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	28.15	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



[Signature]
Authorized Signatory
D. ANUSUYA
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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Nemili

Report No. : HECSL/SD/4/130923

Report Date : 19/09/2023

Sample Description : SOIL

Sample Mark : Thandal

Sample Drawn By : Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 12/09/2023 -13/09/2023

Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Silty Clay Loam	ASTM D421/422
2	Organic Carbon		0.83	ASTM D421/422
3	Soil Texture i)Sand	%	18.6	ASTM D421/422
4	Soil Texture ii)Silt	%	43.3	ASTM D421/422
5	Soil Texture iii)Clay	%	38.1	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.42	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	218.6	IS:14767:2000
8	Cation exchange capacity	meq/100g	1.6	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.82	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	86.23	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	13.6	IS 10158:1982
12	Potassium	mg/kg	38.17	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	4.31	US EPA 200.8 Method
16	Iron	mg/kg	BLQ(LOQ 0.02)	US EPA 200.8 Method
17	Manganese	mg/kg	107.35	US EPA 200.8 Method
18	Zinc	mg/kg	21.46	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	7.53	ASTM D6391-11
21	Bulk density	gm/cc	4.42	ASTM D6683-14
22	Moisture Content	%	9.74	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	18.61	IS 14765
24	Calcium as Ca	mg/kg	112.42	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	68.37	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	21.37	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

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Nemili

Report No. : HECSL/SD/5/130923
Report Date : 19/09/2023

Sample Description : SOIL
Sample Mark : Anakapathur
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 12/09/2023 - 13/09/2023
Analysis Commenced On : 13/09/2023

Completed On : 19/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Loam	ASTM D421/422
2	Organic Carbon		1.3	ASTM D421/422
3	Soil Texture i)Sand	%	27.6	ASTM D421/422
4	Soil Texture ii)Silt	%	47.6	ASTM D421/422
5	Soil Texture iii)Clay	%	23.8	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.61	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	263.42	IS:14767:2000
8	Cation exchange capacity	meq/100g	5.13	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	1.73	IS:2720 (Part-22): 1972)
10	Nitrogen	mg/kg	102.21	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	11.41	IS 10158:1982
12	Potassium	mg/kg	37.41	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	8.12	US EPA 200.8 Method
16	Iron	mg/kg	7.32	US EPA 200.8 Method
17	Manganese	mg/kg	63.41	US EPA 200.8 Method
18	Zinc	mg/kg	31.41	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	4.36	ASTM D6391-11
21	Bulk density	gm/cc	4.31	ASTM D6683-14
22	Moisture Content	%	5.76	IS 2720 part 2 Reaf:2000
23	Water holding capacity	%	8.41	IS 14765
24	Calcium as Ca	mg/kg	116.4	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	72.47	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	15.22	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

D. ANUSUYA
Deputy Quality

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 : Nemili

Report No. : HECSL/AN/001-005/130923
Report Date : 19/09/2023

Sample Description : Noise Monitoring
Sample Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 11/09/2023 -13/09/2023

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	49.7	45.4
2	Panjamathangal	48.8	44.7
3	Valapuram	50.1	46.4
4	Thandal	58.6	51.2
5	Anakapathur	49.6	45.4

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

D. ANUSUYA
Deputy O...



ADU/SOUTH

NOTICE

05

CHENNAI

SDAY 22.06.2022

Note: Further details at <http://www.tenders.gov.in> or O/o the EE-II(WS-M) Cell No:99480785600/-)

Government of Karnataka
Department of Fisheries
 Directorate of Fisheries, 3rd Floor, P. Dr.B.R.Ambedkar Veedi, Bengaluru-560 002
 Fax: 080-2286 4619 E-mail: dfkarnataka@gmail.com

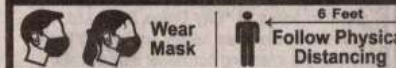
No: DOF-ALL1/274/2021, E-649569

Notification

Applications are invited for the post of Project Manager (01) and District Project Manager (01) and Multi Tasking Staff (01) posts on consolidated pay basis for a period of 01 year under PMMSY. This may be further extended if availability of funds. Last date of application along with documents is 22.06.2022. For further details visit <http://fisheries.karnataka.gov.in>.

DIPR/CP/1006/SHIRDI SAI/2022-23

STAY PROTECTED FROM COVID-19. NO CARELESSNESS.



... from the Indian Citizens ... under Direct Recruitment with ... the Council. ... please visit ICMR website at www.icmr.org.in ... Sd/- ... Assistant Director-General (Admn.)

EPIDEMIOLOGY (MAE) & PUBLIC INTELLIGENCE PROGRAMME]
 Disease Control, Delhi
 ... university, Uttarakhand ... with ... Control and Prevention, Atlanta



Application dates
Programme
 advertisement published in this ... 22, the last date of submitting ... programme has been extended up till ... details & application form, please visit www.ncdc.gov.in

MADHAVAN P
 595 / 600

JOSHIKA B S
 588 / 600

DHANUSH S
 587 / 600

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- Physics + Chemistry + Maths + CSC
- Accounts + Economics + Business Maths + Applied Maths + Entrepreneurship

and many other subjects & combinations offered

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Separate Air-conditioned Hostels for Boys & Girls

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Aakash
 Exhaustive & Comprehensive Coaching for JEE/NEET

Katpadi-Ranipet Road, Brammapuram, Vellore-632014.

☎ 0416-2246784 / 2246785 / 73977 60449
 mail : matric@shrishti.org www.shrishti.org

No. A ...
DEPARTMENT OF COMMERCE

Department of Commerce intends to engage talent on contractual basis:

Position	Economics	Legal
Young professional	8	1
Associate	6	2
Consultant	7	1
Sr.Consultant	4	1
Total	25	5

Interested candidates may visit "<https://commerce.tn.gov.in>" last date of online submission of application is 21.06.2022
 davn 05101/11/0002/2223

Quote Express

THE SECRET OF GETTING AHEAD IS GETTING STARTED

(MARK TWAIN)

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED

19-A, Rukmani Lakshmiopathy Road, Egmore, Chennai-600 008.

CIN U74999TN1971SGC005967
Date: 21.06.2022

SIPCOT INDUSTRIAL PARK AT NEMILI ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed development of SIPCOT Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu from State Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide Letter No.: SEIAA-TN/F.7640/EC/8(b)/835/2022 dated: 30.05.2022. The Environmental Clearance (EC) letter can be downloaded from SIPCOT website www.sipcot.tn.gov.in. The Clearance Letter is available with the State Pollution Control Board and also in the website of SEIAA, TN. Further, copy of the EC shall be obtained from the Head Office/Project Office of SIPCOT.

DIPR/598/Display/2022 MANAGING DIRECTOR

"சேதமுண்ட கூடந்து சுதந்திரம் அடைந்தோம். சாதனை புரிந்து சரித்திரம் படைப்போம்."

er said sinate PTI Chairman Imran on Moscow but Russia coun- chief of thain

Annexure - 6

Projects-I/Nemili/EC/Ad-Forward01/2022

Date: 08.07.2022

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

/RPAD/

Sir,

Sub: SIPCOT - Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District- Environmental Clearance (EC) granted by SEIAA - Advertisement Released in Newspaper Dailies - Copy of the Advertisement forwarded - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F.7640/EC/8(b)/835/2022 dated: 30.05.2022.

With reference to the above, we have obtained Environmental Clearance (EC) from SEIAA, TN for the proposed establishment of SIPCOT Industrial Park at Mannur & Nemili villages, Sriperumbudur Taluk, Kancheepuram District. As per condition stipulated in the EC, advertisement is released in a English Daily 'The Indian Express' of the Chennai edition dated 22.06.2022 and in a Tamil Daily 'Dinathanthi' of the Chennai edition dated 22.06.2022 for disseminating information of grant of EC.

The Newspaper Advertisement copies are enclosed for your kind perusal.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

/Forwarded by Order/

GENERAL MANAGER (P-I)

Encl.: as above

S I P C O T	DESPATCHED	
	13 JUL 2022	
68		
S.L. No.	Signature	

Sir,
Re compared
ORC
stcl
8/7/22

Projects-I/Nemili/EC/Ad-Forward02/2022

Date: 08.07.2022

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

/RPAD/

Sir,

Sub: SIPCOT - Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District- Environmental Clearance (EC) granted by SEIAA - Advertisement Released in Newspaper Dailies - Copy of the Advertisement forwarded - Reg.


Ref: SEIAA EC Letter No. SEIAA-TN/F.7640/EC/8(b)/835/2022 dated: 30.05.2022.

With reference to the above, we have obtained Environmental Clearance (EC) from SEIAA, TN for the proposed establishment of SIPCOT Industrial Park at Mannur & Nemili villages, Sriperumbudur Taluk, Kancheepuram District. As per condition stipulated in the EC, advertisement is released in a English Daily 'The Indian Express' of the Chennai edition dated 22.06.2022 and in a Tamil Daily 'Dinathanthi' of the Chennai edition dated 22.06.2022 for disseminating information of grant of EC.

The Newspaper Advertisement copies are enclosed for your kind perusal.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

/Forwarded by Order/


GENERAL MANAGER (P-I)

Encl.: as above

S I P C O T	DESPATCHED	
	13 JUL 2022	
	67	
	S.L. No.	Signature

Sir,
PC completed
o/c
sdh
8/7/22

Projects-5/Nehru//EC/Ad-Forwarded
प्राप्त स्वीकृति (सही) ACKNOWLEDGEMENT 2022

एक रिपोर्ट/पत्र / पोस्टकार्ड / पैकेट / पार्सल प्राप्त हुआ

Received a Registered Letter / Postcard / packet / Parcel Insured

प्राप्त काल का नाम

Addressed to (Name)

बीमा का मूल्य (रुपयों में)

Insured for Rupees

अनावश्यक को काट दिया जाए।

Score out the matter not required.

केवल बीमा वस्तुओं के लिए।
For Insured articles only.



प्राप्त काल के हस्ताक्षर / Signature of addressee

वितरण की तारीख / Date of delivery

20

Oct - 6

Nungambakkam

change.

The Director
Ministry of Environmental
Forests and Climate

68

13/7/20

भार. पी. - 54

R. P.-54

भारतीय डाक विभाग

DEPARTMENT OF POSTS, INDIA

भारतीय डाक



India Post

तारीख-मीहर



Date-Stamp

प्रेषक डाकघर
की नाम मीहर
Name stamp of
office of posting



STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD.

(A Govt. of TamilNadu Undertaking) P.B. No. 7223

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

भेजने वाले
का पता
Sender's
Address

पिन/PIN

6	0	0	0	0	8
---	---	---	---	---	---

MGIPCBE

Projects-I / Nemili / Ec/Ad-Forward02/
प्राप्ति स्वीकृति (रसीद) ACKNOWLEDGEMENT 2022

एक रजिस्ट्री
बीमा पत्र / पोस्टकार्ड / पैकेट / पार्सल प्राप्त हुआ

Received a Registered
Insured Letter / Postcard / packet / Parcel

पाने काले का नाम
Addressed to (Name)

The Member Secretary,
STATE Level Environmental
Impact Assessment Authority

बीमा का मूल्य (रुपयों में)
Insured for Rupees

Saidapur

वितरण की तारीख / Date of delivery 20

अनावश्यक को काट दिया जाए।
Score out the matter not required.

केवल बीमा वस्तुओं के लिए।
For Insured articles only.



पाने वाले के हस्ताक्षर / Signature of addressee

आर. पी. 54

R. P.-54

67

13/7/22

भारतीय डाक विभाग

DEPARTMENT OF POSTS, INDIA

भारतीय डाक



India Post

तारीख-मोहर



Date-Stamp

प्रेषक डाकघर
की नाम मोहर
Name stamp of
office of posting

15 JUL 2022



CHENNAI - 600 008

भेजने वाले
का पता
Sender's
Address

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD.

(A Govt. of TamilNadu Undertaking) P.B. No. 7223

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

पिन/PIN

6	0	0	0	0	8
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MGIPCBE



SIPCOT

Projects-I/EIA/Nemili/2022

Date: 20.06.2022

The President,
Nemili Village Panchayat,
Sriperumbudur Taluk,
Kancheepuram District,
Tamil Nadu.

Sir,

Sub: SIPCOT – Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District – Submission of Copy of Environmental Clearance issued by SEIAA – Reg.

Ref: EC Letter No. SEIAA-TN/F.7640/EC/8(b)/835/2022 dated 30.05.2022

With reference to the above, we have obtained Environmental Clearance (EC) from SEIAA for the proposed Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District over an extent of 92.66 Hectares (228.87 acres). The copy of Environmental Clearance is enclosed herewith for your kind perusal.

Yours faithfully,

Sd/-
MANAGING DIRECTOR

/Forwarded by Order/

GENERAL MANAGER (P-I)

Encl: As above.

Copy to:

The Project Officer,
SIPCOT Industrial Park,
Sriperumbudur.

06/07/22
தலைவர்
நெ.51, நெமிலி ஊராட்சி
திருப்பெரும்புதூர் ஒன்றியம்

J.A. Jishu
5.7.2022

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.



SIPCOT

Projects-I/EIA/Nemili/2022

Date: 20.06.2022

The President,
Mannur Village Panchayat,
Sriperumbudur Taluk,
Kancheepuram District,
Tamil Nadu.

/By Post/

Sir,

Sub: SIPCOT - Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District - Submission of Copy of Environmental Clearance issued by SEIAA - Reg.

Ref: EC Letter No. SEIAA-TN/F.7640/EC/8(b)/835/2022 dated 30.05.2022

With reference to the above, we have obtained Environmental Clearance (EC) from SEIAA for the proposed Development of Industrial Park at Mannur and Nemili Villages, Sriperumbudur Taluk, Kancheepuram District over an extent of 92.66 Hectares (228.87 acres). The copy of Environmental Clearance has been enclosed here with for your kind perusal.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

/Forwarded by Order/


GENERAL MANAGER (P-I)

Encl: As above.

Copy to:

The Project Officer,
SIPCOT Industrial Park,
Sriperumbudur.



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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>



CHIEF ENGINEER (O&M-II)

**CHENNAI METROPOLITAN WATER SUPPLY
AND SEWERAGE BOARD**


Lr.No:CMWSSB/C.E(O&M)II/S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2020-21, Dated:13.04.2020

To
The Managing Director,
SIPCOT,
19-A, Rukmani Lakshmi pathi Road,
Egmore,
Chennai - 600 008.

Sub: CMWSSB – C.E(O&M-II) – S.E(W.W.T&R) – “Design, Build and Operate for 15 years (DBO) a 45 MLD capacity Tertiary Treatment Reverse Osmosis (TTRO) Plant at Koyambedu including supply, laying and maintenance of M.S. transmission main for conveying product water to various SIPCOT industries situated at Irungattukottai, Sriperumbudur and Oragadam” – Works Completed in all aspects - Inaugurated and Commissioned by the Hon'ble Chief Minister of Tamilnadu on 29.11.2019 – Supply of TTRO Water to the M/s. SIPCOT Industrial hub located at Irungattukottai, Pillaipakkam, Vallamvadagal, Sriperumbudur and Oragadam – Commenced from 18.12.2019 – Security deposit to be remitted –Requested – Reminder - Reg.

Ref: Lr.No. CMWSSB / C.E(O&M)II / S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2019-20, Dated: 06.12.2019, 16.12.2019 & 24.01.2020.

The work of “Design, Build and Operate for 15 years (DBO) a 45 MLD capacity Tertiary Treatment Reverse Osmosis (TTRO) Plant at Koyambedu including supply, laying and maintenance of M.S. transmission main for conveying product water to various SIPCOT industries situated at Irungattukottai, Sriperumbudur and Oragadam” has been completed in all aspects and has been inaugurated & commissioned by the Hon'ble Chief Minister of Tamilnadu on 29.11.2019. The supply of TTRO product water to the M/s SIPCOT industries located at Irungattukottai, Pillaipakkam, Vallamvadagal, Sriperumbudur and Oragadam from Koyambedu TTRO plant was commenced from 18.12.2019 onwards.

In this connection, it is submitted that, the request for remittance of security deposit for an amount of Rs.2.045 Crores towards the supply of TTRO product water to M/s SIPCOT industries from Koyambedu TTRO plant has been made since 06.12.2019 and further reminders were made vide under references cited.

In this connection, it is submitted that the requisite security deposit amount has not been remitted till date, inspite of continuous follow up with officials of M/s SIPCOT.

As CMWSSB is facing financial crunch for the past more than 5 years with the deficit of about Rs.300 Crores, it is very difficult to manage to remit the Electricity consumption charges of about Rs.1.5 Crores per month towards operation of TTRO plant & Intermediate storage Pumping Stations.

Hence it is requested to cause necessary instructions to the officials to expedite the remittance of security deposit of Rs.2.045 Crores immediately through RTGS/NEFT.

This is submitted for favour of information and requested for early action in this regard.

CHIEF ENGINEER (O&M-II)

ஏற்படுத்திய நான் ஒட்டுக்கு 5 பக்கங்கள் என ஒரு சிப்காட் தொழில்
 வளாகத்திற்கு வழங்குவதற்கு அரசு உடனடி நடவடிக்கை மேற்கொள்ள வேண்டி
 திறைவேறியும், சிப்காட் தொழில் வளாகத்திற்கு பொதுப்பணித்துறையின் புதிய
 சிப்காட் தொழில் வளாகத்திற்கு உட்பட்டு ஒப்பந்தத்தில் கையொப்பமிட்ட புகாரை நீர்
 வழங்க வேண்டும் என உடனடி நடவடிக்கைப்பொதுபாளர், சென்னை மண்டலம், மற்றும்
 சிப்காட் தொழில் வளாகத்திற்கு சிப்காட் தொழில் வளாகத்திற்கு அரசு உடனடி நடவடிக்கைப்பொதுபாளர்.

(ஆளுநர் துணைப்பல)

செ.பி. குப்பா,
 அரசு செயலர்.

பெயர்:

உடனடி நடவடிக்கைப்பொதுபாளர்,
 நீர்வள துறை துணைப்பல, சென்னை. 5.

உடனடி நடவடிக்கைப்பொதுபாளர்,
 நீர்வள துறை துணைப்பல,
 சென்னை மண்டலம் மற்றும் சிப்காட் தொழில் வளாகத்திற்கு
 மற்றும் வழங்கல் துறை,
 ✓ மேலாண்மை இயக்குநர்,
 தமிழ்நாடு தொழில் வளர்ச்சி துறை,
 19 ஏ. ரூக்கமின் வடிகழிவுத் தோடு,
 எழும்பூர், சென்னை. 8.
 இலாபம் தரும், துணை மாண்புமிகு.

நகல்:

தொழில் துறை சென்னை. 5
 நகராட்சி நிர்வாகம் மற்றும் ஆதார வழங்கல் துறை,
 சென்னை. 5.

/ஆளுநர் துணைப்பல/

சி.பி. குப்பா
 அரசு செயலர் 3/4/97



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

TO WHOM SO EVER IT MAY CONCERN

Ref. No.: SIPCOT/CW/SE/Nemili&Mambakkam/Water Supply/2020 Dated: 03.12.2020

Sub: SIPCOT - CW - SE - Establishment of Industrial Park, Nemili & Mambakkam - Obtaining Environmental Clearance - Supply of Required Water to the Proposed Industrial Parks - Allocation of TTRO & Fresh Water from the Existing TTRO Water and Fresh Water Source Schemes - Reg.

- Ref: 1. Nemili - TOR - Lr.No. SEIAA-TN/F.No.7640/SEAC/8(b)/ToR-764/2020
Dt. 23.09.2020
2. Mambakkam TOR - Lr.No. SEIAA-TN/F.No.7652/SEAC/8(b)/ToR-766/2020
Dt. 23.09.2020

SIPCOT is in the process of obtaining Environmental Clearance for the establishment of proposed Industrial Parks at Nemili (Irungattukottai scheme) and Mambakkam (Sriperumbudur Scheme) from SEIAA, Chennai. The total fresh water requirement for the proposed parks are mentioned below.

S.No.	Water Source	Nemili (in KLD)	Mambakkam (in KLD)
1.	TTRO	1159	1128
2.	Raw Water	200	200
Total Fresh Water Requirement		1359 (Say 1.4 MLD)	1328 (Say 1.4 MLD)

In this regard, it is informed that Government of Tamil Nadu has established 45 MLD TTRO plant at Koyembedu (scalable to 60 MLD) through CMWSSB Board exclusively to meet out the Industrial water requirement of five SIPCOT Industrial Parks viz. Irungattukottai, Sriperumbudur, Oragadam, Pillaipakkam and Vallam Vadagal. The TTRO water is being supplied with effect from 27.12.2019 upon commissioning of this 45 MLD TTRO Plant.



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/2/

The allocation of TTRO water for the existing SIPCOT Industrial Parks as follows.

S.No.	SIPCOT Industrial Parks / Complexes	TTRO Water allocation
1.	Irungattukottai	8 MLD
2.	Sriperumbudur	9 MLD
3.	Oragadam	13 MLD
4.	Pillaipakkam	4.5 MLD
5.	Vallam Vadagal Phase-I	6.8 MLD
6.	Aerospace	1.2 MLD
Total		42.5 MLD

Out of 9 MLD TTRO water allocated to Sriperumbudur, only 3 MLD is utilized by the allotted industries at SIPCOT Industrial Park at Sriperumbudur and 6 MLD of TTRO water is available as surplus. Of which 2.4 MLD shall be allocated towards the TTRO water requirement of Industrial Parks at Nemili and Mambakkam.

The original system of supplying fresh water from Chembarambakkam lake (Total allocation of 10 MGD (or) 45.46 MLD) is being utilized to meet out the fresh water requirement of the above mentioned SIPCOT Industrial Parks. Fresh water requirement for the above mentioned Industrial Parks is of meager quantity. Hence the fresh water requirement for the proposed Nemili and Mambakkam Industrial Parks shall be allocated from the existing system.

The required quantity of TTRO and Fresh water for the proposed SIPCOT Industrial Park at Nemili & Mambakkam can be supplied from the above sources by developing necessary infrastructure for conveyance from the existing Industrial Parks.


SUPERINTENDING ENGINEER.

SIPCOT – NEMILI MONITORING PHOTOS

AMBIENT AIR QUALITY MONITORING PHOTOS:



Project site



Anakaputhur



Panjamathangal



Valapuram



Thandal

Ground water sampling photos



Near Project area

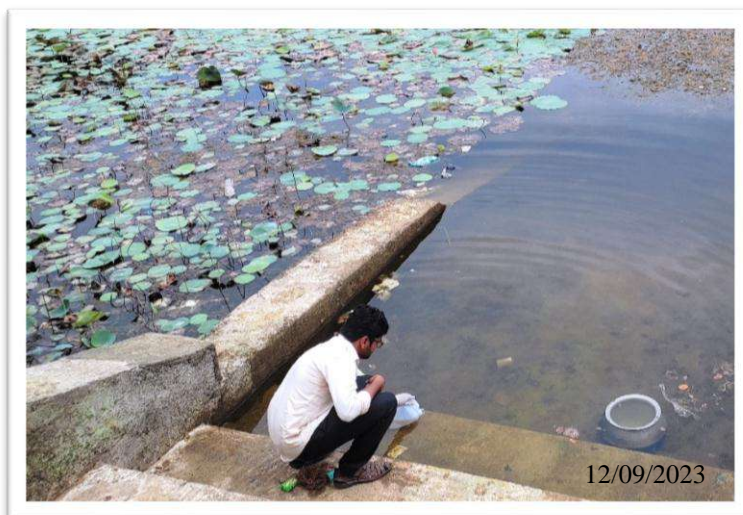


Anakaputhur



Valapuram

Surface water sampling photograph



Nemili Lake



Chembarambakkam Lake

Soil monitoring photograph



Project area



Anakapathur



Panjamathangal



Thandal



Valapuram

Noise sampling photograph



Project area



Anakaputhur



Panjamathangal



Thandal



Valapuram

Annexure - 11

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 Windows taskbar at the bottom shows the search bar, system tray with the date 15-Nov-23 and time 2:56 PM, and various application icons.



SIPCOT

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

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, Nemili - Environmental Statement for the Financial Year ending 31st March 2023 - Submitted - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F.7640/EC/8(b)/835/2022 dated 30.05.2022.

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 Mannur and Nemili Villages in Sriperumbudur Taluk, Kancheepuram 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)



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