

**HALF YEARLY ENVIRONMENTAL CLEARANCE
COMPLIANCE REPORT**

For the Period of April 2024 to September 2024

For

**“Proposed Development of Industrial Park in
Virudhunagar over an extent of 425.55Ha. (1051.10 Acres)” at
E.Kumaralingapuram, E.Muthulingapuram and Thulukkapatti Villages,
Sattur and Virudhunagar taluk, Virudhunagar District, Tamil Nadu**

EC obtained vide Letter No. SEIAA-TN/F.No.9262/2023 EC/8(a)/951/ 2023 dated: 11.07.2023

Submitted by



M/s. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD.

**19/A, Rukmani Lakshmi Pathy Road,
Egmore, Chennai-600008.**

Prepared by



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TABLE OF CONTENTS

S. No	List of Contents	Page No
1.	Project details	4
2.	Location map	5
3.	Site photograph	6
4.	Six monthly environmental clearance statement	7
5.	Environmental Monitoring Details	38
	5.1 Ambient air quality monitoring	38
	5.2 Ambient noise level monitoring	38
	5.3 Soil Quality monitoring	38
	5.4 Ground water quality monitoring	38
	5.5 Surface water quality monitoring	38
6.	Conclusion	39

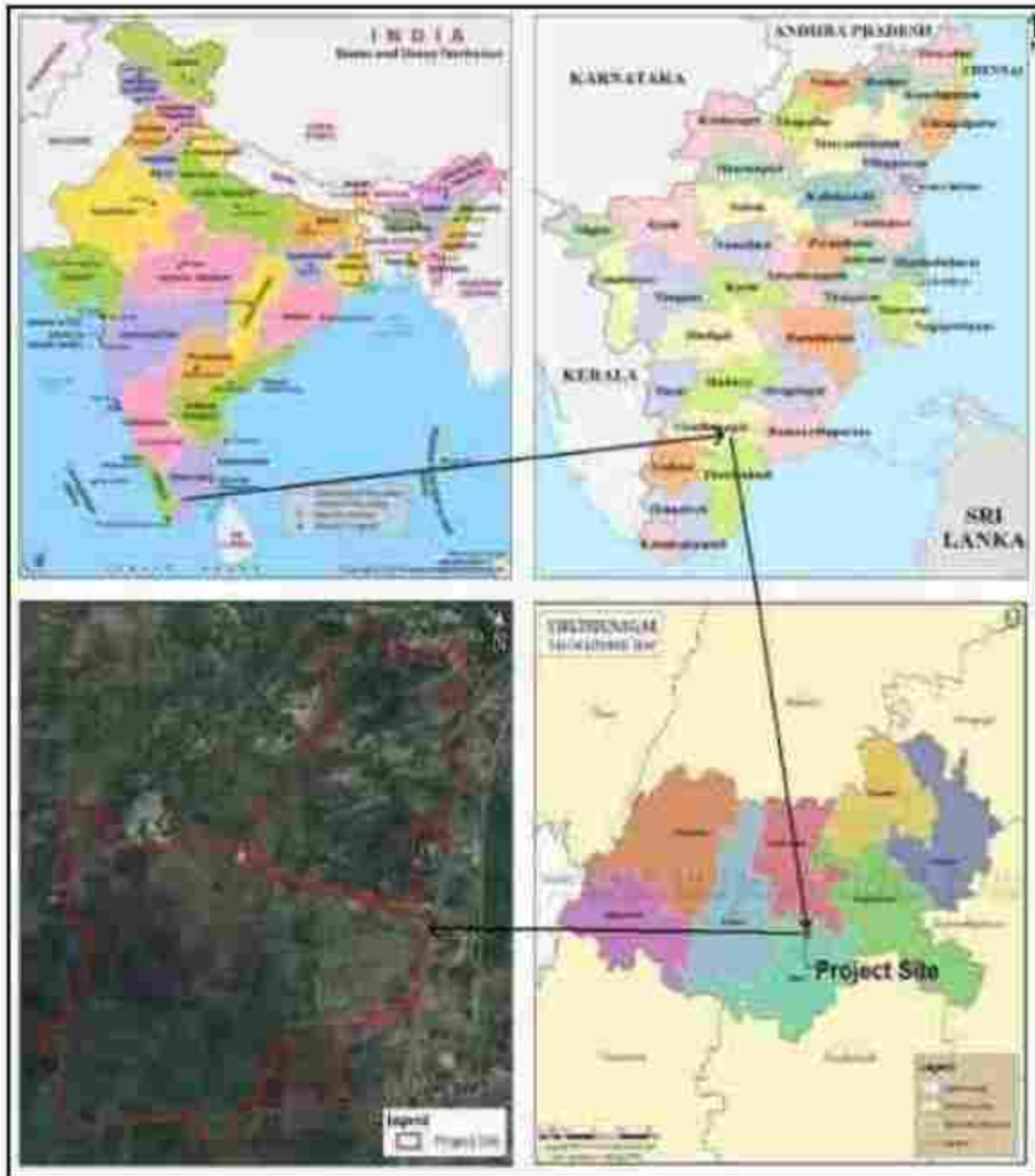
LIST OF ANNEXURE

S. No	List of Contents
Annexure 1	Copy of Environmental Clearance
Annexure 2	Newspaper Advertisements
Annexure 3	Consent to Establishment
Annexure 4	Environmental Monitoring Reports
Annexure 5	Water supply letter from TWAD Board
Annexure 6	Environmental Monitoring Photos
Annexure 7	Green belt layout with GPS coordinates
Annexure 8	Details of EMC
Annexure 9	Local Body Submission Acknowledgement

1. PROJECT DETAILS

Name of the Project	Proposed Development of Industrial Park in Virudhunagar over an extent of 425.55 Ha. (1051.10 Acres)
Name of the Proponent	M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)
Location	E.Kumaralingapuram, E.Muthulingapuram and Thulukkappatti Villages ,Sattur and Virudhunagar Taluk, Virudhunagar District, Tamil Nadu
EC, No.	SEIAA-TN/F.No.9262/2023 EC/8(a)/951/ 2023 dated: 11.07.2023 (Enclosed as Annexure -1)
Area Details	425.55 Ha.
Water Requirement	Total water - 29944 KLD = Fresh water-4545KLD + TTRO Water-5000KLD + Recycled Water-20399 KLD Source: Thamirabarani River and TTRO water will be sourced through TWAD
Project Cost	Rs. 1800 Crores

2. LOCATION MAP



3. SITE PHOTOGRAPHS



4. SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

SEAC SPECIFIC CONDITIONS:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project proponent shall in-house only non - EIA attracting industries alone as committed especially Textile-wet processing unit & Dry textiles (Apparel, Home Textiles) & Other Non-C attracting industries for the proposed SIPCOT plots as committed.	Condition noted.
2.	The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.	Condition noted. Water supply letter from TWAD Board is enclosed as Annexure 5.
3.	The project proponent shall allot the plots under Court cases to entrepreneurs only after the final orders of such Court cases.	Condition Noted.
4.	The project proponent shall provide adequate capacity of Sewage treatment plant as committed for the proposed industrial housing and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.	Condition Noted.
5.	The project proponent shall ensure that non EIA attracting Industries to be in- housed shall provide adequate individual STP and shall reuse the treated sewage for the toilet flushing & green belt/gardening.	Condition noted. All the member units will be instructed to have their own STP for treatment of domestic wastewater and to reuse the treated water for greenbelt as per the norms.
6.	The project proponent shall provide adequate capacity of CETP with ZLD for the proposed industrial activities as committed and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.	Condition Noted.

7.	The PP shall provide SCADA for operation and maintenance of CETP & STP as committed.	Condition Noted.
8.	The project proponent shall ensure that industries in-housed shall operate and maintain the proposed STP/ETP efficiently and continuously to bring the quality of treated sewage/effluent to satisfy the discharge standards prescribed by the TNPCB at all times.	Condition noted. SIPCOT will provide CETP for treating effluent from textile industries and all the member units will be instructed have STP for treatment of sewage and to reuse the treated water as per the norms
9.	The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide elevated STP 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.	Condition noted. All the member units will comply with.
10.	The project proponent and the non EIA attracting Industries to be in-housed shall provide & ensure that the utilities/arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage/effluent as proposed.	Condition will be complied. All the member units will comply with.
11.	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.	Condition noted. SIPCOT will provide CETP for treating effluent from textile industries and reuse the treated water for process and utilities. All the member units will be instructed have STP for treatment of sewage and to reuse the treated water as per the norms.
12.	The height of the stacks of DG sets shall be provided as per the CPCB norms.	SIPCOT does not propose any DG set. All the member units will be instructed to comply with

13.	The project proponent shall provide 4 Nos. CAQMS and Online Water quality analyzer for the CETP& STP for the parameters prescribed by the CPCB and shall hook up the same to CAC & WQW of TNPCB & CPCB portal for continuous & effective monitoring to achieve standards prescribed by the Board	Condition Noted.
14.	The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio- Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.	Condition will be complied. All the member industries will be instructed to follow necessary rules and guidelines.
15.	The proponent shall provide and maintain adequate green belt around the water bodies and to carryout periodic rejuvenation of water bodies within the proposed SIPCOT.	Condition will be complied.

16.	The project proponent shall periodically carryout conservation plan for Peafowl as committed for Plantation of 100 Nos. of trees per year for five years in villages around the site, 5 Nos. of Water filling during summer, & Awareness programme in nearby schools regard to Peacock conservation.	Condition noted. Conservation plan will be implemented in consultation with / through Forest Department.
17.	The PP shall plant 2500 Nos. of Trees/Hectare in 148.828 Ha of proposed green belt area excluding 560 Nos. of Compensatory trees to compensate the loss of 56 Nos, of trees to be cutoff.	Condition noted. Overall 36.97% of area will be developed as greenbelt.
18.	The project proponent shall develop and maintain the project site without hindering the flow of the water bodies within the proposed SIPCOT area.	Condition noted. Water Bodies within the site shall be maintained as is where condition is.
19.	The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.	Condition will be complied. All the member units will be instructed to comply with.

20.	Taller/one year old Saplings raised in appropriate size of bags, preferably eco- friendly bags should be planted in proper e-spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.	<p>Condition will be complied.</p> <p>All the member units will be instructed to comply with.</p> <p>Layout plan is enclosed as Annexure 7</p>
21.	The project proponent shall provide entry and exit points for the OSR area, as per the norms for the public usage and as committed.	<p>Condition Noted.</p>
22.	The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.	<p>Condition noted.</p> <p>All the member units will be instructed to comply with.</p>
23.	The PP shall comply with all the EMP as committed before obtaining CTO from TNPCB.	<p>Condition will be complied</p>
24.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins	<p>Condition will be complied</p>
25.	The project proponent shall provide a health care facility within the proposed SIPCOT as committed, possibly with a medical officer 24x7 in the project site for continuous monitoring the health of workers as committed.	<p>Condition Noted.</p> <p>All the member units will be instructed to comply with.</p>
26.	The project proponent & the industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.	<p>Condition noted.</p> <p>All the member units will be instructed to follow applicable rules and guidelines.</p>

27.	The project proponent shall insist the individual industries to provide and utilize at least 20% of roof top area for harnessing Solar Energy.	Condition Noted.
28.	As accepted by the PP, the revised CER cost of Rs.50 Lakhs shall be spent for 10 Nos. of Government Schools each Rs 5 Lakhs around the proposed SIPCOT towards the activities mentioned in the MoEF&CC OM Dated: 01.05.2018 before obtaining CTO from TNPCB.	Condition will be complied. CER activities will be carried out in consultation with / through District Administration.

SEIAA Recommendations

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project proponent shall in-house only non-EIA attracting industries alone as committed especially Textile-wet processing unit & Dry textiles (Apparel, Home Textiles) & Other Non EC attracting industries for the proposed SIPCOT plots as committed.	Condition noted
2.	The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.	Condition noted. Water supply letter is enclosed as Annexure-5 .
3.	The project proponent shall ensure that non-EIA attracting Industries to be in-housed shall treat the effluent generated by providing adequate individual ZLD followed by reject management system and shall reuse the treated effluent for the process activity.	Condition Noted.
4.	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 as committed.	Condition noted. All the member units will be instructed have STP for treatment of sewage and to reuse the treated water as per the norms.
5.	The project proponent shall provide adequate capacity of Sewage treatment plant as committed for the proposed industrial housing facility and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.	Condition Noted.

6.	The project proponent shall provide adequate capacity of CETP with ZLD for the proposed industrial activities as committed and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.	Condition will be complied. SIPCOT will provide CETP for treating effluent from textile industries and reuse the treated water for process and utilities. All the member units will be instructed have STP for treatment of sewage and to reuse the treated
7.	The project proponent shall ensure that non EIA attracting Industries & proposed industrial housing facility to be in-housed shall provide elevated STP& elevated CETP 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,	Condition Noted.
8.	The project proponent shall ensure that Non – EIA attracting Industries to be in-housed shall provide roof top solar panel to harness solar energy.	Condition noted. All the member units will be instructed to comply with.
9.	The project proponent shall ensure that proposed industrial housing facility and other buildings shall be energy efficient and conforming to IGBC standards.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
10.	The project proponent shall ensure that the industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
11.	The project proponent shall provide & maintain OWC of adequate capacity as committed for the proposed industrial housing facility.	Condition Noted.

12.	The project proponent shall provide & maintain green fuel-based DG sets as committed.	Condition noted. All the member units will be instructed to comply with
13.	The PP shall conduct periodic training to the industrial employees in regard to emergency evacuation plan.	Condition noted.
14.	The structural stability of STP & CETP provided shall be periodically certified by the reputed academic institute or concerned competent authority.	Condition noted.
15.	The proponent shall continuously adopt carbon neutral strategies to confirm carbon neutral environment.	Condition noted.
16.	The project proponent shall ensure that non EIA attracting Industries to be in-housed shall provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.	All the member industries will be instructed to follow necessary rules and guidelines.
17.	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.	All the member units will be instructed to comply with all applicable rules and guidelines

18.	The project proponent and the non EIA attracting Industries to be in-housed shall provide & ensure that the utilities/arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage/effluent as proposed.	Condition will be complied. All the member units will be instructed to follow the same.
19.	The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.	Condition will be complied.
20.	The project proponent shall provide adequate arrangements for disposal of excess storm water and shall obtain necessary permission from the competent authority before obtaining CTO	Condition noted.
21.	The project proponent shall ensure that industries to be in-housed shall operate and maintain the proposed STP/CETP efficiently and continuously to bring the quality of treated sewage/effluent to satisfy the discharge standards prescribed by the CPCB at all Times	Condition noted. SIPCOT will provide CETP for treating effluent from textile industries and reuse the treated water for process and utilities. All the member units will be instructed have STP for treatment of sewage and to reuse the treated water as per the norms.

22.	The project proponent & the Industries to be in-housed shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.	<p>Condition noted.</p> <p>All the member units will be instructed to comply with all applicable rules and guidelines.</p>
23.	The project proponent shall ensure Industries to be in-housed shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.	<p>Condition noted.</p> <p>All the member units will be instructed to comply with</p>
24.	The project proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.	<p>Condition noted.</p> <p>Water supply letter from TWAD Board is enclosed as Annexure -5.</p>
25.	The project proponent & the industries to be in-housed shall strictly adhere to all biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly from time to time as guidance of competent authority.	<p>Condition noted.</p> <p>All the member units will be instructed to comply with all applicable rules and guidelines.</p>

26.	The project proponent & the industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.	Condition noted. All the member units will be instructed to follow the applicable rules and guidelines.
27.	The project proponent & the industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.	Condition will be complied. All the member units will be instructed to comply with.
28.	The activities should in no way cause emission and build-up Green House Gases. All actions to be ecofriendly and support sustainable management of the natural resources within and outside the campus premises.	All the member units will be instructed to follow applicable rules and guidelines.
29.	The project 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 units will be instructed to follow applicable rules and guidelines.
30.	The project proponent & the industries to be in-housed shall ensure proper arrangement & utilization of recycled water.	All member industries will be instructed to reuse the treated wastewater as per the norms.
31.	The project proponent & the industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.	Condition noted. All the member units will be instructed to comply with.
32.	The project proponent & the industries to be in-housed shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.	Condition noted. All the member units will be instructed to comply with.

33.	The project proponent & the industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.	Condition noted. All the member units will be instructed to comply with.
34.	The project proponent & the industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.	Condition noted. All the member units will be instructed to comply with.
35.	The project proponent & the Industries to be in-housed shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.	Condition noted. All the member units will be instructed to comply with.
36.	The project proponent & the industries to be in-housed shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.	Condition noted. All the member units will be instructed to comply with.
37.	The project proponent & the industries to be in-housed shall provide and ensure the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.	Condition noted. All the member units will be instructed to comply with.
38.	The project proponent & the industries to be in-housed shall ensure to provide the emergency exit in the buildings.	Member units will be instructed to follow the applicable rules and guidelines.
39.	The project proponent & the industries to be in-housed shall ensure to provide elevator as per rules CMDA/DTCP.	Not applicable it is an infrastructure development project. All the member units will be instructed to follow the applicable rules and guidelines.
40.	The proponent & the industries to be in-housed shall ensure to provide adequate capacity of DG set (standby) for the proposed STP so as ensure continues and efficient operation.	Condition will be complied. All the member units will be instructed to follow the same.

41.	The proponent & the industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
42.	The project proponent & the industries to be in-housed shall adhere to storm water management plan as committed.	Condition noted. Storm water drains will be provided all along the internal road.

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

S.N O	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, ETP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.	Condition Noted. Construction will be carried out as per the layout approval.
3.	The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.	Condition noted.
4.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State/Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities	Condition noted. All the member units 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-3 .

5.	The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.	Condition noted.
6.	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	Condition noted.
7.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.	Condition will be complied.
8.	The Regional Office of the Ministry located at Chennai shall monitor Compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.	Condition noted.
9.	"Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.	Conditions complied. Consent to Establish obtained from TNPCB and the copy of CTE is attached as Annexure-3
10.	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.	Condition noted. There is no change in the scope of project.

11	<p>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.</p>	<p>SIPCOT shall comply with all applicable conditions specified in the EC.</p>
12.	<p>The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.</p>	<p>Condition noted.</p>
13.	<p>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.</p>	<p>SIPCOT shall comply with all applicable conditions specified in the EC.</p>
14	<p>The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM10, PM25, SO2, NO, (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.</p>	<p>Condition will be complied.</p>

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

20.	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.	<p>Condition complied.</p> <p>Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards.</p> <p>Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure - 8</p>
21.	The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	Condition noted.
22.	The Project Proponent has to provide adequate number of rain water harvesting pits to recover and reuse the rain water during rainy days as committed.	Condition noted.
23.	The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition noted.
24.	The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.	<p>Condition will be complied.</p> <p>Surface water quality monitoring report is enclosed as Annexure -4.</p>
25.	All the assessed flora & fauna should be conserved and protected.	Condition noted.
26.	The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act,1986.	<p>Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.</p>

27.	Necessary permission shall be obtained from the competent authority for the drawl /outsourcing of fresh water before obtaining consent from TNPCB.	Condition noted. Water supply letter is enclosed as Annexure -5.
28.	The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)	Condition noted.
29.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins	Condition Noted.
30.	All the mitigation measures committed by the proponent for the flood management. Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	Condition will be complied
31.	No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.	Condition will be complied
32.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.	Condition will be complied
33.	The safety measures proposed in the report should be strictly followed.	Condition will be complied
34.	The project proponent shall carryout CER activity as committed as per MoEF&CC O.M F.No.22-65/2017-1A.III dated: 30.09.2020 & 20.10.2020 before obtaining CTO from TNPCB.	Condition noted. CER activity shall be carried out in consultation with / through District Administration.

Part-B-Specific Conditions - Pre construction phase:

1.	The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.	Newspaper advertisement copy is enclosed as Annexure -2 and 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 is enclosed as Annexure-2
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. The clearance letter shall also be put on the website of the Proponent.	Condition complied. Acknowledgement copy from local bodies for submission of clearance letter is enclosed as Annexure – 9.
4.	The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of firefighting equipments, etc. as per National Building Code including protection measures from lightning etc. before commencement of the work.	Condition Noted. Individual 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. All the member units shall comply with.
6.	Design of buildings 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.	Construction will be carried out as per the layout approval.
8.	No construction activity of any kind shall be taken up in the OSR area.	Condition noted.
9.	Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.	Condition will be complied. Individual industries will be 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 FS/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 entry 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 i. Location of STP, compost system, underground sewer line. ii. Pipe Line conveying the treated effluent for green belt development. iii. Pipe Line conveying the treated effluent for toilet flushing iv. Water supply pipeline v. Gas supply pipe line, if proposed vi. Telephone cable vii. Power cable viii. Storm water drains, and ix. Rain water harvesting system, etc. and it shall be made available to the owners	Condition applicable will be complied.

14.	A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.	Condition will be complied. 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 trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.	Condition noted.
18.	During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.	Condition Noted.
19.	The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated	Condition noted
20.	There should be Firefighting plan and all required safety plan.	Condition noted. All the member units will be instructed to comply with.
21.	Regular fire drills should be held to create awareness among owners/residents	Condition noted. All the member units will be instructed to comply with.

Part-C-Specific Conditions - Construction phase:

1. Construction Schedule:

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

i)	All the laborers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.	Condition noted. All the member units will be instructed to comply with.
ii)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.	Condition noted. All the member units will be mandated to follow applicable rules and guidelines.
iii)	Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of	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 private tankers	Condition will be complied.
ii)	Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Condition not applicable. Local labors will be employed for the project. There will not be any housing for labors.
iii)	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.	Condition will be complied. All the member units shall comply with.

iv)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.	Condition will be complied. 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 will be complied. 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 for gardens is not acceptable; it must be co-composted with biodegradables.	All the member units shall comply with.
ii)	Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM Rules 2016.	All the member units shall comply with.
iii)	Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
iv)	No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.	Condition 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 (Management and Handling) Rules, 2016 and subsequent amendment.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
5. Top Soil Management:		
1)	All the top soil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Condition noted. All the member units shall 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	Condition will be complied. All the member units will be instructed to comply 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 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 operating stand by DG sets shall be stored in barrels fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.	Condition noted. All the member units shall be instructed to obtain necessary approvals.
iii)	The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.	Condition noted. 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 TNPCC/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. All the member units will be instructed to follow applicable rules and guidelines. Environmental monitoring report is attached as Annexure-4 .
iii)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per CMDA norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.	Condition will be complied.
iv)	The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.	All the member units shall comply with.
v)	The project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.	Condition noted. All the member units will be instructed to comply with
9. Building material:		
i)	Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of 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 shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.	Condition noted. 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.	Condition noted. All the member units will be instructed to comply with
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 Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.	All the member units will be instructed to follow applicable rules and guidelines
iii)	All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common	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 months' 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 measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.	Condition will be complied. All the member units shall comply with
12. Fire Safety:		
i)	Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.	Condition noted. All the member units shall comply with.
ii)	Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.	Condition noted. All the member units shall 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. Greenbelt will be developed through Forest Department.
ii)	The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.	Condition will be complied. Greenbelt will be developed as per the Layout Approval.

iii)	The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.	Condition noted. Overall greenbelt of minimum 33% 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.	Condition noted.
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 and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.	All the member units will be instructed to follow applicable rules and guidelines.
iv)	The project proponent shall continuously operate and maintain the Sewage treatment plant and Effluent treatment plant to achieve the standards prescribed by the CPCB.	All the member units will be instructed to follow applicable rules and guidelines.
v)	The project proponent has to ensure the complete recycling of treated Sewage & Effluent water after achieving the standards prescribed by the CPCB.	All the member units will be instructed to comply with.
vi)	The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP in case of power failure.	All the member units will be instructed to comply with.
15. Rain Water Harvesting:		

i)	The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.	Condition noted. 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 Proponent has to provide adequate number of rain water harvesting pits to recover and reuse the rain water during rainy days as committed.	Condition noted. All the member units will be instructed to comply with.
iv)	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 shall comply with.
<u>Part-D-Specific Conditions - Operational Phase/Post constructional phase/Entire life of the project:</u> Not applicable since in constructional phase		

5. ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit Six Monthly Compliance Report (Half Yearly Compliance) to MoEF & CC Regional Office by the proponent. For the purpose of submitting Six-Monthly Compliance report, environmental monitoring was carried out at site by M/s. **Hubert Enviro Care Systems Pvt. Ltd.** an NABL Accredited Laboratory during the period of **April 2024 – September 2024**.

5.1 Ambient Air Quality monitoring

The ambient air quality parameters such as suspended Particulate matter (PM10), Respirable Particulate matter (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx), Ammonia, Ozone and Carbon monoxide were monitored. The test report of ambient air quality for the period of April 2024 – September 2024 is enclosed as **Annexure - 4**.

5.2 Ambient Noise level monitoring

Ambient noise levels were monitored and the test report of ambient noise recorded during the period of April 2024 – September 2024 is enclosed as **Annexure - 4**.

5.3 Soil quality monitoring

Soil samples were collected and analyzed for nutrients and heavy metals. The test report of soil samples collected and analyzed during the period of April 2024 – September 2024 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 2024 –September 2024. The test report of bore well water collected and analyzed is enclosed as **Annexure- 4**.

5.5 Surface water quality monitoring

The surface water was collected and tested for various water quality parameters during the period of April 2024 – September 2024. The test report of surface water collected and analyzed is enclosed as **Annexure- 4**.

6. CONCLUSION

1. The environmental monitoring was carried out at site during the period of April 2024 – September 2024.
2. All the conditions stipulated in Environmental Clearance are **being complied/ 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 Lakshmi Pathy 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/INFRA2/423033/2023 dated 20 May 2023. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B039TN171847
2. File No.	9262
3. Project Type	New
4. Category	B
5. Project/Activity Including Schedule No.	8(b) Townships and Area Development projects.
6. Name of Project	Proposed Development of Industrial Park in Virudhunagar over an extent of 425.55 Ha. (1051.10 Acres)
7. Name of Company/Organization	STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED (SIPCOT)
8. Location of Project	TAMIL NADU
9. TOR Date	N/A

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

Date: 31/07/2023

(e-signed)
Thiru. Deepak S. Bilgi
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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THIRU.DEEPAK S.BILGI, I.F.S.,
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY - TAMIL NADU

3rd Floor, Pattagal Muraligal,
No.1, Jeeris Road, Saidapet,
Chennai-15,
Phone No. 044-24359973
Fax No. 044-24359975

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA-TN-F.No.9262/2023 EC/8(a)/951/2023 dated:11.07.2023

To,

M/s. State Industries promotion Corporation of Tamil Nadu
E.Kumaralingapuram, E.Muthulingapuram and Thulukkupatti
Sattur and Virudhunagar taluk
Virudhunagar District.

Respected Sir,

Sub: SEIAA, TN- Environmental Clearance – Proposed Development of Industrial Park in an area of 425.55 ha (1051.10 Acres) at E.Kumaralingapuram Village SF.Nos.134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8.

**MEMBER SECRETARY
SEIAA-TN**

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267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4,
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271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7,
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101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8,
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E.Muthulingapuram Village SF.Nos.14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4.

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- Ref:
1. TOR was issued vide Lr No. SEIAA-TN/F.No.9262/SEAC/8(b)/ToR-1205/2022 dated:14.07.2022.
 2. EIA report Submitted :23.03.2023
 3. Online Proposal No. SIA/TN/INFRA2/423033/2023, dated 22.03.2023
 4. Project proponent EC submitted dated: 22.03.2023.
 5. Minutes of the 377th SEAC meeting held on 10.05.2023.
 6. Minutes of the 624th authority meeting held on 31.05.2023
 7. Minutes of the 380th meeting of SEAC held on 17.05.2023.
 8. Minutes of the 627th SEIAA meeting held on 06.06.2023.


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9. The project proponent reply furnished on 07.07.2023.

10. Minutes of the 637th Authority meeting held on 11.07.2023.

This has reference to your application 4th & 5th cited, the proposal is for obtaining Environmental Clearance to Proposed Development of Industrial Park by M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) under Category B1 and Schedule S.No.8(b) Township and Area Development Projects under the Environment Impact Assessment Notification, 2006, as amended.

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

S.NO	Description	Details			
1	Name of the Project	State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) Limited Tamil Nadu under S.No.8(b) of the Schedule.			
2	Location	Latitude 9°25'26.91"N, Longitude 77°54'24.04"E (Centre Coordinates)			
3	Type of Project	Township and Area Development Projects Schedule 8(b).			
4	Total Plot Area	Breakup of Total Plot Area:			
		Description	Ha	Acres	% of developable area
		Industrial Plot area	258.96	8	64.33%
		Common amenities	8.069	19.93	2.02%
		Commercial activities	12.101	29.89	3.00%
		CETP & Solid Waste Management	14.825	36.62	3.69%
		Social Infrastructure	12.145	30.00	3.02%
		Roads/ Storm water drain	33.101	81.76	8.22%
		Green belt area	26.424	65.27	6.56%
		OSR Area	36.947	91.26	9.18%
			402.58		
		Developable area	0	994.38	100.00%
		Water bodies	15.075	37.23	
		HT line & ROW	4.090	10.09	

Vandipathai & Road	3.805	9.40
	425.55	1051.1
Total	0	0

*Individual Industries will be mandated to provide 33% of green belt in developable area of 402.580Ha

5. Brief Description of the project	S.N or	Type Industries	Plotted area in Acres	Plotted area in Ha	Approximate % of plotted area
	1	Textile-wet processing unit	150.00	60.73	23.43
	2	Dry textiles (Apparel, Home Textiles) & Other Non - EC attracting industries.	489.65	198.24	76.55
		Total	639.65	238.97	100

Industrial Housing comprising of 7 nos. of towers with Stilt + 10 Floors and the total Built up Area for Industrial Housing is 1,11,858 sq.m & 1680 Dormitory Rooms.

Detailed Built up Area break up

Description	Area	Unit
Built up area per floor	1452.70	Sq.m
Total Number of floors in a Tower	Stilt + 10	Floors
Built up area of one Block	15979.70	Sq.m
Number of towers	7	Nos
Total Built-up area - 7 Towers	1,11,858	Sq.m

Description	Area	Unit
Number of Rooms Per Floor	24	Nos.
Total Number of Person in a floor	144	Nos.
Number of Persons per Room	6	Nos.
Carpet area per room - Dormitory	37.32	Sq.m

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		Carpet area per Person - Dormitory	6.23	Sq.m																																								
6	Project Cost	1800 Crores																																										
7	Water Requirement	<p>Total water requirement for the project is 29944 KLD. Fresh water requirement is 4545 (domestic purpose and Process). TTRO water 5000 KLD. Water requirement for Process and Utilities (887KLD) and green belt development (5210 KLD) and flushing (2656KLD) will be met from recycled water (20399 KLD).</p> <p>Fresh water (from Thamirabarani River) and TTRO Water will be sourced through TWAD.</p> <table border="1"> <thead> <tr> <th>Details</th> <th>Fresh water (KLD)</th> <th>TTRO (KLD)</th> <th>Recycled water (KLD)</th> <th>Total water (KLD)</th> </tr> </thead> <tbody> <tr> <td>Domestic (Industry)</td> <td>2758</td> <td></td> <td>0</td> <td>2758</td> </tr> <tr> <td>Domestic (Hostel)</td> <td>900</td> <td></td> <td>0</td> <td>900</td> </tr> <tr> <td>Flushing (Industry)</td> <td></td> <td>2183</td> <td>23</td> <td>2206</td> </tr> <tr> <td>Flushing (Hostel)</td> <td></td> <td>0</td> <td>450</td> <td>450</td> </tr> <tr> <td>Process & Utilities</td> <td>887</td> <td>2817</td> <td>14716</td> <td>18420</td> </tr> <tr> <td>Green belt</td> <td></td> <td></td> <td>5210</td> <td>5210</td> </tr> <tr> <td>Total</td> <td>4545</td> <td>5000</td> <td>20399</td> <td>29944</td> </tr> </tbody> </table>			Details	Fresh water (KLD)	TTRO (KLD)	Recycled water (KLD)	Total water (KLD)	Domestic (Industry)	2758		0	2758	Domestic (Hostel)	900		0	900	Flushing (Industry)		2183	23	2206	Flushing (Hostel)		0	450	450	Process & Utilities	887	2817	14716	18420	Green belt			5210	5210	Total	4545	5000	20399	29944
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				used for flushing for housing and green belt development for IP	
		4	Effluent from individual industries	14736	Will be treated in CETP of 3 Nos. X 5 MLD followed by ZLD system and treated effluent will be used for process & utilities.
9	Solid Waste Generation and Management		Waste type	Quantity (kg/day)	Disposal Method
		Construction Phase			
		1	Organic waste	41	Will be collected and disposed in municipal bins through Local body
		2	Inorganic waste	27	
			Total	68	
		Operation Phase			
		1	Organic waste	29781	Individual industries will segregate the waste and organic waste will be composted and used as manure for green belt development.
		2	Inorganic waste	19854	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors/ Local body by individual industries.
			Total	49635	
		Industrial Housing			
		1	Organic waste	2700	Organic wastes will be composted in Organic Waste Converter and the compost


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					will be used as manure for green belt development.	
		2	Inorganic waste	1800	Inorganic waste will be collected and sold to TNPCB authorized recyclers / local vendors/ Local body by individual industries.	
		Total		4500		
10.	Power Requirement	Details	Capacity		Source	
		Power Requirement (MVA)	104		TANGEDCO	
		Back-up (KVA)	2x1000 kVA DG by SIPCOT for industrial housing during power failure		DG	
			Individual industries will have their own DG sets		DG	
11	Man Power	Construction phase -150 nos. Operation phase – 1,20,300 (Including Industrial Housing)				
12	Green Belt Area	S.No	Area details	Area (Ha)	Area (Acres)	% of developable area
		1	OSR	36.947	91.26	9.18%
		2	Green belt	26.424	65.27	6.56%
		3	33% green belt in plot area to be allotted to individual industries	85.457	211.08	21.23%
			Total	148.828	367.61	36.97%
		To plant 1500 Nos. of Trees/Hectare in 148.828 Ha and 560 Nos. of Compensatory trees to compensate the loss of 56 Nos. of trees to be cutoff.				

13	EMP Cost	S.No	EMP activities
		1.	Storm water drains, Culverts & rainwater harvesting pits
		2.	CETP with ZLD
		3.	Sewerage system & STP
		4.	Solid and Hazardous Waste Management
		5.	Solar lighting & Internal roads
		6.	Green belt development
		7.	Environmental Monitoring during construction phase
		8.	DG sets Acoustics and stack (for industrial Housing)
		9.	Rejuvenation of Pond
		10.	OCMS station at 4 locations
		11.	Baffle wall around the Match box industry
		12.	Conservation plan Schedule -I Species
Capital Cost - 373.11 Crores			
Recurring cost - 644 Lakhs			
Conservation plan for Peafowl – Rs.5.9 Lakhs shall be spent for Plantation of 100 Nos. of trees per year for five years in villages around the site, 5 Nos. of Water filling during summer, & Awareness programme in nearby schools regard to Peacock conservation.			
14	CER	Rs 50 Lakhs As per SEAC Meeting (5 lakhs per school Totally 50 Lakhs)	
15	Tor issued Letter	TOR was issued vide Lr No. SEIAA/TN/F.No.9262/SEAC/8(b)/TOR-1205/2022 dated:14.07.2022.	
16	EIA Received	EIA report Submitted :23.03.2023	

Annexure 2- Affidavit

I, M/s. E. Sundaravalli I.A.S, Managing Director, Authorized Signatory, representing 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 425.55 Hectares (1051.10 Acres) at E. Kumaraalingapuram Village S.No.s: 134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2,


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215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5, 273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1, 282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1, 205/2, 205/3, 205/4, 205/5, 208/1, 208/2, 208/3, 208/4, 208/5, 208/6, 208/7, 209/1, 209/2, 209/3, 209/4, 209/5, 209/6, 210/1, 210/2A, 210/2B, 210/2C, 210/2D, 210/3, 210/4A1, 210/4A2, 210/4A3,

210/4A4, 210/4A5, 210/4B, 210/5, 211/1, 211/2, 211/3A, 211/3B, 211/4A, 211/4B, 211/4C, 211/4D, 211/5, 212/1A, 212/1B1, 212/1B2, 212/2A, 212/2B, 212/3, 212/4A, 212/4B, 212/5, 213/1, 213/2, 213/3A, 213/3B, 213/3C, 213/3D, 213/3E, 213/3F, 213/3G, 213/4, 213/5, 213/6, 180/1A, 180/1B, 180/1C, 180/1D, 180/2, 180/3, 181/1, 181/2, 181/3A, 181/3B, 181/4, 181/5, 181/6, 182/1, 182/2, 183/1A, 183/1B, 183/2, 184/1, 184/2, 184/3, 185/1, 185/2, 185/3, 185/4, 186/1, 186/2, 186/3, 187/1, 187/2, 187/3A, 187/3B, 187/3C, 187/4, 188/1, 188/2, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 190/1, 190/2, 190/3, 190/4, 191/1, 191/2, 191/3, 191/4, 191/5A, 191/5B, 191/6, 191/7, 192/1, 192/2, 192/3, 192/4A, 192/4B, 193/1, 193/2, 193/3, 193/4, 193/5, 193/6, 194/1, 194/2, 194/3, 195/1, 195/2, 195/3, 196/1A, 196/1B, 196/2, 196/3, 197/1, 197/2, 197/3, 197/4, 197/5A, 197/5B, 198/1, 198/2, 199/1, 199/2, 199/3, 199/4, 200, 201/1A, 201/1B, 201/2A, 201/2B, 201/3.

E.Muthulingapuram Village S.Nos. 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4.

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- I. The total water requirement of the park is estimated at 29,944 KLD (Fresh water: 4,545 KLD, TTRO water: 5,000 KLD and Recycled water: 20,399 KLD). Fresh water and TTRO water requirement for the Industrial Park is proposed to be sourced from TWAD Board.
- II. Power Supply (104 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member industries. Individual industries will have their own power back up.


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- III. 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. All member industries will be instructed to provide rain water harvesting structures as per norms.
- IV. 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 5 Acres of land for establishment of Solid Waste Management facility.
- V. 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.
- VI. Individual industries will be mandated to provide STP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system. Apart from this, CSTP of capacity 2000 KLD will be provided by SIPCOT for industrial housing facility and CETP of 15000 KLD (3X 5000 KLD in phase wise) will be provided by SIPCOT for treating effluent from wet textile industries.
- VII. Overall Greenbelt area of the park would be 148.828 Ha (i.e. 36.97% of developable area of 402.58 Ha).
- VIII. Tentative EMP cost of the park is INR 373.11 Crores. Details are given below:

S.No	Project Components	Capital Cost (INR Crores)
1	Storm Water drains, culverts & rainwater harvesting pits	68.2
2	CETP with ZLD	241.5
3	Sewerage system and STP	24.15
4	Solid and Hazardous waste Management	17
5	Solar lighting in internal road	12
6	Green belt development	3
7	Environmental Monitoring during Construction Phase	0
8	DG sets/Acoustics and Stack (for Industrial Housing)	1.6
9	Rejuvenation of Pond	1.8
10	OCMS Station at Four location	2.4
11	Baffle wall around the Match box Industry	1.4

12	Conservation Plan Schedule-1 Species	0.059
Total EMP Cost		373.11

- IX. As per MoEF&CC Office Memorandum No. 22-65/2017-IA.III, dated 25.02.2021, SIPCOT will allocate INR 373.11 Crores towards Environment Management Plan (EMP) instead of allocation of funds under Corporate Environment Responsibility (CER). As per Minutes of 380th SEAC meeting, we commit to spend Rs.50 lakhs to 10 Nos. of nearby Government schools @ Rs. 5 lakhs each towards CER activities before obtaining CTO from TNPCB.

Declaration

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

SEAC Recommendations:

Proposed Development of Industrial Park in an area of 425.55 ha (1051.10 Acres) at E.Kumaralingapuram Village SF.Nos.134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5,


MEMBER SECRETARY
SEIAA-TN


273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1, 282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1, 205/2, 205/3, 205/4, 205/5, 208/1, 208/2, 208/3, 208/4, 208/5, 208/6, 208/7, 209/1, 209/2, 209/3, 209/4, 209/5, 209/6, 210/1, 210/2A, 210/2B, 210/2C, 210/2D, 210/3, 210/4A1, 210/4A2, 210/4A3, 210/4A4, 210/4A5, 210/4B, 210/5, 211/1, 211/2, 211/3A, 211/3B, 211/4A, 211/4B, 211/4C, 211/4D, 211/5, 212/1A, 212/1B1, 212/1B2, 212/2A, 212/2B, 212/3, 212/4A, 212/4B, 212/5, 213/1, 213/2, 213/3A, 213/3B, 213/3C, 213/3D, 213/3E, 213/3F, 213/3G, 213/4, 213/5, 213/6, 180/1A, 180/1B, 180/1C, 180/1D, 180/2, 180/3, 181/1, 181/2, 181/3A, 181/3B, 181/4, 181/5, 181/6, 182/1, 182/2, 183/1A, 183/1B, 183/2, 184/1, 184/2, 184/3, 185/1, 185/2, 185/3, 185/4, 186/1, 186/2, 186/3, 187/1, 187/2, 187/3A, 187/3B, 187/3C, 187/4, 188/1, 188/2, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 190/1, 190/2, 190/3, 190/4, 191/1, 191/2, 191/3, 191/4, 191/5A, 191/5B, 191/6, 191/7, 192/1, 192/2, 192/3, 192/4A, 192/4B, 193/1, 193/2, 193/3, 193/4, 193/5, 193/6, 194/1, 194/2, 194/3, 195/1, 195/2, 195/3, 196/1A, 196/1B, 196/2, 196/3, 197/1, 197/2, 197/3, 197/4, 197/5A, 197/5B, 198/1, 198/2, 199/1, 199/2, 199/3, 199/4, 200, 201/1A, 201/1B, 201/2A, 201/2B, 201/3.

E.Muthulingapuram Village SF Nos. 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4.

Thulukapatty Village SF. Nos. 239/1, 239/2, 239/3, 239/4, 239/5, 239/6, 239/7, 239/8, 239/9, 239/10, 239/11, 240/1A, 240/1B, 240/2A, 240/2B, 240/2C, 240/3B, 240/3C, 240/3D, 240/4A, 240/4B, 240/4C, 240/4D, 240/6A, 240/6B, 240/7A, 240/7B, 240/8, 240/9A, 240/9B, 240/10A, 240/10B, 240/11, 240/12, 240/13, 241/1, 241/2, 241/3, 241/4A, 241/4B, 241/5, 241/6, 241/7, 241/8, 241/9, 242/1, 242/2, 242/3A, 242/3B, 242/4A, 242/4B, 242/5A, 242/5B, 242/5C, 242/6, 243/1A, 243/1B, 243/1C, 243/1D, 243/2, 243/3, 244, 245/1, 245/2, 247/1, 247/2, 247/3A, 247/3B, 247/4, 247/5, 248/1, 248/2, 248/3A, 248/3B, 248/4A, 248/4B, 248/4C, 248/4C, 248/5, 248/6, 248/7A, 248/7B, 248/8, 248/9, 248/10, 248/11, 250/1A, 250/1B, 250/2, 250/4, 250/5B, 250/6, 250/7A, 250/7B, 250/8A, 250/8B, 250/9, 250/10, 250/11, 250/12, 250/13, 250/14, 250/15, 250/16, 250/17 Sattur & Virudhunagar Taluks, Virudhunagar District Tamil Nadu By M/s. State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) - For Environmental Clearance. (SIA/TN/INFRA2/423033/2023, dated 22.03.2023)

The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B" of Item 8(b) "Township & Area Development Projects" of the Schedule to the EIA Notification, 2006.
2. TOR was issued vide Lr. No. SEIAA-TN/E.No.9262/SEAC/8(b)/ToR-1205/2022 dated:14.07.2022.
3. EIA report Submitted :23.03.2023

The proposal was placed in 377th SEAC meeting held on 10.05.2023. Based on the presentation and documents furnished, SEAC decided to defer and directed the PP & the EIA Coordinator that PP shall revise the presentation and documents including the certain additional details so as to take up the proposal in the next ensuing authority meeting.

The proposal was again placed in 380th SEAC meeting held on 17.05.2023. Based on the presentation and documents furnished, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the standard conditions & normal conditions stipulated by MOEF & CC, in addition to the following specific conditions:

1. The project proponent shall in-house only non - EIA attracting industries alone as committed especially Textile-wet processing unit & Dry textiles (Apparel, Home Textiles) & Other Non - EC attracting industries for the proposed SIPCOT plots as committed.


MEMBER SECRETARY
SEIAA-TN

2. The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.
3. The project proponent shall allot the plots under Court cases to entrepreneurs only after the final orders of the such Court cases.
4. The project proponent shall provide adequate capacity of Sewage treatment plant as committed for the proposed industrial housing and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.
5. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide adequate individual STP and shall reuse the treated sewage for the toilet flushing & green belt/gardening.
6. The project proponent shall provide adequate capacity of CETP with ZLD for the proposed industrial activities as committed and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.
7. The PP shall provide SCADA for operation and maintenance of CETP & STP as committed.
8. The project proponent shall ensure that industries in-housed shall operate and maintain the proposed STP/ETP efficiently and continuously to bring the quality of treated sewage/effluent to satisfy the discharge standards prescribed by the TNPCB at all times.
9. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide elevated STP 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.
10. The project proponent and the non - EIA attracting Industries to be in-housed shall provide & ensure that the utilities/ arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage-effluent as proposed.
11. 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.
12. The height of the stacks of DG sets shall be provided as per the CPCB norms.
13. The project proponent shall provide 4 Nos. CAQMS and Online Water quality analyzer for the CETP& STP for the parameters prescribed by the CPCB and shall hook up the same to CAC & WQW of TNPCB & CPCB portal for continuous & effective monitoring to achieve standards prescribed by the Board.

14. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
15. The proponent shall provide and maintain adequate green belt around the water bodies and to carryout periodic rejuvenation of water bodies within the proposed SIPCOT.
16. The project proponent shall periodically carryout conservation plan for Peafowl as committed for Plantation of 100 Nos. of trees per year for five years in villages around the site, 5 Nos. of Water filling during summer, & Awareness programme in nearby schools regard to Peacock conservation.
17. The PP shall plant 2500 Nos. of Trees/Hectare in 148.828 Ha of proposed green belt area excluding 560 Nos. of Compensatory trees to compensate the loss of 56 Nos. of trees to be cutoff.
18. The project proponent shall develop and maintain the project site without hindering the flow of the water bodies within the proposed SIPCOT area.
19. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium tall trees alternating with shrubs should be planted in a mixed manner.
20. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. 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.
21. The project proponent shall provide entry and exit points for the OSR area, as per the norms for the public usage and as committed.


MEMBER SECRETARY
SEIAA-TN

22. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
23. The PP shall comply to all the EMP as committed before obtaining CTO from TNPCB.
24. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
25. The project proponent shall provide a health care facility within the proposed SIPCOT as committed, possibly with a medical officer 24x7 in the project site for continuous monitoring the health of workers as committed.
26. The project proponent & the industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.
27. The project proponent shall insist the individual industries to provide and utilize at least 20% of roof top area for harnessing Solar Energy.
28. As accepted by the PP, the revised CER cost of Rs.50 Lakhs shall be spent for 10 Nos. of Government Schools each Rs. 5 Lakhs around the proposed SIPCOT towards the activities mentioned in the MoEF&CC OM Dated: 01.05.2018 before obtaining CTO from TNPCB.

SEIAA Recommendations

The authority noted that the subject was appraised in 380th meeting of SEAC held on 17.05.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. Subsequently, in the 627th authority meeting held on 06.06.2023, the authority decided to defer and directed the PP to furnish certain additional particulars. In this connection, the project proponent has furnished reply vide Lr. Dt: 06.07.2023.

In this connection, the proposal was placed in the 637th Authority meeting held on 11.07.2023. 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 alone as committed especially Textile-wet processing unit & Dry textiles (Apparel, Home Textiles) & Other Non - EC attracting industries for the proposed SIPCOT plots as committed.
2. The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.

3. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the effluent generated by providing adequate individual ZLD followed by reject management system and shall reuse the treated effluent for the process activity.
4. 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 as committed.
5. The project proponent shall provide adequate capacity of Sewage treatment plant as committed for the proposed industrial housing facility and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.
6. The project proponent shall provide adequate capacity of CETP with ZLD for the proposed industrial activities as committed and shall maintain & operate continuously to achieve the standards prescribed by the TNPCB/CPCB.
7. The project proponent shall ensure that non - EIA attracting Industries & proposed industrial housing facility to be in-housed shall provide elevated STP & elevated CETP 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.
8. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide roof top solar panel to harness solar energy.
9. The project proponent shall ensure that proposed industrial housing facility and other buildings shall be energy efficient and conforming to IGBC standards.
10. The project proponent shall ensure that the industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.
11. The project proponent shall provide & maintain OWC of adequate capacity as committed for the proposed industrial housing facility.
12. The project proponent shall provide & maintain green fuel-based DG sets as committed.
13. The PP shall conduct periodic training to the industrial employees in regard to emergency evacuation plan.
14. The structural stability of STP & CETP provided shall be periodically certified by the reputed academic institute or concerned competent authority.
15. The proponent shall continuously adopt carbon neutral strategies to confirm carbon neutral environment.
16. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide adequate elevated closed area earmarked for collection, segregation,

MEMBER SECRETARY
SEIAA-TN

storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.

17. 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.
18. The project proponent and the non - EIA attracting Industries to be in-housed shall provide & ensure that the utilities' arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage/effluent as proposed.
19. The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.
20. The project proponent shall provide adequate arrangements for disposal of excess storm water and shall obtain necessary permission from the competent authority before obtaining CTO.
21. The project proponent shall ensure that industries to be in-housed shall operate and maintain the proposed STP / CETP efficiently and continuously to bring the quality of treated sewage/effluent to satisfy the discharge standards prescribed by the CPCB at all times.
22. The project proponent & the Industries to be in-housed shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/ equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
23. The project proponent shall ensure industries to be in-housed shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.

24. The project proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.
25. The project proponent & the industries to be in-housed shall strictly adhere to all biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly from time to time as guidance of competent authority.
26. The project proponent & the industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.
27. The project proponent & the industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.
28. The activities should in no way cause emission and build-up Green House Gases. All actions to be ecofriendly and support sustainable management of the natural resources within and outside the campus premises.
29. The project 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.
30. The project proponent & the industries to be in-housed shall ensure proper arrangement & utilization of recycled water.
31. The project proponent & the industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
32. The project proponent & the industries to be in-housed shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
33. The project proponent & the industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.
34. The project proponent & the industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.
35. The project proponent & the Industries to be in-housed shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.
36. The project proponent & the industries to be in-housed shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
37. The project proponent & the industries to be in-housed shall provide and ensure the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.


MEMBER SECRETARY
SEIAA-TN

38. The project proponent & the industries to be in-housed shall ensure to provide the emergency exit in the buildings.
39. The project proponent & the industries to be in-housed shall ensure to provide elevator as per rules CMDA/DTCP.
40. The proponent & the industries to be in-housed shall ensure to provide adequate capacity of DG set (standby) for the proposed STP so as ensure continuous and efficient operation.
41. The proponent & the industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
42. The project proponent & the industries to be in-housed 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:

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

1. Any appeal against this Environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
2. The construction of STP, ETP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.
3. The Environmental safeguards contained in the application of the proponent mentioned during the presentation before the State Level Environment Impact

Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.

4. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
5. The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
6. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
7. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
8. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
11. The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of

MEMBER SECRETARY
SEIAA-TN



Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.

12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
13. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely: PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.
15. The SEIAA, TN may cancel the Environmental Clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the Environmental Clearance.
16. The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
17. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
18. The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
19. Where the trees need to be cut, compensation plantation in the ratio of 1:10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.

20. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
21. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.
22. The Project Proponent has to provide adequate number of rain water harvesting pits to recover and reuse the rain water during rainy days as committed.
23. The project activity should not cause any disturbance & deterioration of the local bio diversity.
24. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
25. All the assessed flora & fauna should be conserved and protected.
26. The proponent should strictly comply with, Tamil Nadu Government Order (Mo) No.84 Environment and forests (EC 2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
27. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
28. The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)
29. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
30. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
31. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
33. The safety measures proposed in the report should be strictly followed.
34. The project proponent shall carryout CER activity as committed as per MoEF & CC O.M F.No.22-65/2017-IA,III dated: 30.09.2020 & 20.10.2020 before obtaining CTO from TNPCB.


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SEIAA-TN

Part - B – Specific Conditions – Pre construction phase:

1. The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
3. A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.
4. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of firefighting equipments, etc. as per National Building Code including protection measures from lightning etc. before commencement of the work.
5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
6. Design of buildings should be in conformity with the Seismic Zone Classifications.
7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
8. No construction activity of any kind shall be taken up in the OSR area.
9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
11. The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.
12. The project proponent shall ensure the entry of basement shall be above maximum flood level.
13. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details

- i. Location of STP, compost system, underground sewer line.
- ii. Pipe Line conveying the treated effluent for green belt development.
- iii. Pipe Line conveying the treated effluent for toilet flushing.
- iv. Water supply pipeline
- v. Gas supply pipe line, if proposed
- vi. Telephone cable
- vii. Power cable
- viii. Storm water drains, and
- ix. Rain water harvesting system, etc. and it shall be made available to the owners

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

Part - C - Specific Conditions – Construction phase:

1. Construction Schedule:

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

2. Labour Welfare:

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


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SEIAA-TN


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

3. Water Supply:

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

4. Solid Waste Management:

- i) In the solid waste management plan, the STP sludge management plan for direct use as manure for gardens is not acceptable; it must be co-composted with biodegradables.

- ii) Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM Rules 2016.
- iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.
- iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.

5. Top Soil Management:

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

6. Construction Debris disposal:

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

7. Diesel Generator sets:

- i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.
- ii) The diesel required for operating stand by DG sets shall be stored in barrels fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.


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SEIAA-TN


- iii) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.

8. Air & Noise Pollution Control:

- i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.
- iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per CMDA norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.
- iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.
- v) The project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.

9. Building material:

- i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 05.11.2009.
- ii) Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.
- iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.

10. Storm Water Drainage:

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

11. Energy Conservation Measures:

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

12. Fire Safety:

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

13. Green Belt Development:


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SEIAA-TN


- i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.
- ii) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DICP approval.
- iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.

14. Sewage Treatment Plant:

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

15. Rain Water Harvesting:

- i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficial use of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.

- (ii) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.
- (iii) The Project Proponent has to provide adequate number of rain water harvesting pits to recover and reuse the rain water during rainy days as committed.
- (iv) The project activity should not cause any disturbance & deterioration of the local bio diversity.

16. Building Safety:

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

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

1. There should be Firefighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.
3. Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM Rules 2016.
4. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
5. Solar energy saving shall be increased to atleast 10% of total energy utilization.
6. The Project proponent has to spend the CER as committed in the affidavit. The above activity shall be carried out before obtaining CTO from TNPCH.
7. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCH with a copy to SETAA annually.
8. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
9. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.


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SEIAA-TN


10. The Project proponent should discuss with the wet land Authority, Tamil Nadu Forest Department, PWD and support lake restoration cum improvement, awareness and conservation programs.
11. The project activities should in no way disturb the manmade structures.
12. The Proponent shall do afforestation/ restoration programme contemplated to strengthen the open spaces shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
13. "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.
14. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
15. The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage treatment and disposal, solid waste disposal and environmental monitoring including terrace gardening for a period of 3 years. Within one year after handing over the flats to all allottees a viable society or an association among the allottees shall be formed to take responsibility of continuous maintenance of all facilities with required agreements for compliance of all conditions furnished in Environment Clearance (EC) order issued by the SEIAA-TN or the Proponent himself shall maintain all the above facilities for the entire period. The copy of MOU between the buyers Association and proponent shall be communicated to SEIAA-TN.
16. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
17. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. The treated sewage shall conform to the norms and standards for bathing quality laid down by CPCB irrespective of any use. Necessary measures should be made to mitigate the odour and mosquito problem from STP.
18. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
19. It is the sole responsibility of the proponent that the treated sewage water disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.

20. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
21. The e - waste generated should be collected and disposed to a nearby authorized e-waste 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.
24. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
25. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
26. The proponent shall ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
27. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
28. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
29. The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect/not in order at a later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.


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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, Gaiindy, Chennai-600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ),
34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam,
Chennai - 34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. The Commissioner, Virudhunagar District.
7. Stock File.

Signature Not Verified
Digitally signed by Thiru.Deepak
S.Bilgi
Member Secretary
Date: 7/31/2023 6:36:57 PM
Page 37 of 37



P-III/EC/1/31939/2023

Date: 13-10-2023

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

/RPAD/

Sir,

Sub: SIPCOT - Development of Industrial Park at E.Kumaralingapuram, E.Muthulingapuram and Thulukapatti Villages, Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu - Environmental Clearance (EC) granted by SEIAA - Advertisement Released in Newspaper Dailies - Copy of the Advertisement forwarded - Reg.

Ref: EC Letter No. SEIAA-TN/F.No.9262/2023 EC/8(a)/951/2023 dated: 11.07.2023

With reference to the above, it is to inform that, we have obtained Environmental Clearance (EC) from the SEIAA, TN for the proposed Development of Industrial Park at E.Kumaralingapuram, E.Muthulingapuram and Thulukapatti Villages, Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu. As per the condition stipulated in the EC, advertisement has been released in a English Daily 'The New Indian Express' of the Madurai edition dated 09.08.2023 and in a Tamil Daily 'Dinakaran' of the Madurai edition dated 09.08.2023, disseminating information regarding Grant of EC by SEIAA.

The Newspaper Advertisement copies are enclosed for your kind perusal.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

G. Shair
GENERAL MANAGER (P-III)

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN | U74999TN19T1SGC005967

Regd. Office : 1B-A, Rukmani Lakshmiipathy Road, Post Box No. 7223, Egmore, Chennai - 600 008.

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

**STATE INDUSTRIES PROMOTION
CORPORATION OF TAMIL NADU LIMITED**
11-A, BURDIA LAKSHMIAPATHY ROAD,
SOMMERZ, CHENNAI-600 008.
CIN: U74999TN1971S000940

**SIPCOT INDUSTRIAL PARK
ENVIRONMENTAL CLEARANCE**

Date: 08.06.2023

Environmental Clearance has been obtained for the proposed Development of SIPCOT Industrial Park at Etumbertoppavaram, E.Matturuppalayam and Thudakkottu Villages, Sathur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu from the State Environmental Impact Assessment Authority (SEIAA), Tamil Nadu vide Letter No. SEIAA-TN / F.No.0205 / 2023 / EC / (S) / 001 / 2023 dated 11.07.2023.

The Environmental Clearance (EC) letter can be downloaded from the SIPCOT website www.sipcot.in soon.

The Clearance Letter is available with the State Pollution Control Board and also in the website of the SEIAA, TN.

SIPK / 020 / 2023 / 001 **MANAGING DIRECTOR**
www.sipcot.in and www.seiaa.tn.gov.in



GRIPPING TALE

KK SUNDAR

EXPRESS NEWS SERVICE



EXPRESS NEWS SERVICE



EXPRESS READ

MUTHOOT FINCORP LTD. GOLD AUCTION NOTICE

Regd. Office: Muthoot Centre, TC No 27/2022, Punnar Road, Thiruvananthapuram, Kerala, India - 695001. CIN : U65920KL1997PL011516, Ph: +91 471 4911400, 2331427

Notice is hereby given for the information of all concerned that Gold ornaments pledged with under mentioned branches of the company for the period upto 30.09.2022 & MGL, SPL -SE, One plus, Guide Provisal, Super value, ACGL and all other 6 months tenure Gold loans up to 31.12.2022 and MGL, SPL, Silvrina & EMi due up to 30.06.2023 which were overdue for redemption and which have not been redeemed as far as the information of the company is concerned, will be auctioned on 17.08.2023 to 19.08.2023 from 10 am onwards.

Telangana State Medical Services & Infrastructure Development Corporation, Director of Health Campus, Sultan Bazar, Hyderabad -95, Telangana State. Tender Notice No.4/2023/Medicine/MW/TSMISDC, Dt.07.08.2023. Tender Notice No.5/2023/Surgical/MW/TSMISDC, Dt.07.08.2023.

अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स), भुवनेश्वर. ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), BHUBANESWAR. VACANCY NOTICE. Online applications are being invited for the following posts on Regular basis in All India Institute of Medical Sciences, Bhubaneswar, Odisha.

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED. 19-A, RUKMANI LAKSHMIAPATHY ROAD, EGMORE, CHENNAI-600 008. SIPCOT INDUSTRIAL PARK ENVIRONMENTAL CLEARANCE. Date: 08.08.2023.

NOTICE FOR CHANGE OF OFFICE ADDRESS. POONAWALLA HOUSING FINANCE LIMITED. Registered Office: 1602, 6th Floor, Zero One IT Park, Survey No. 79/1, Gopuram, Madhavara Road, Pune - 411036, Maharashtra. CN: U65922PN2004PLC08751.

NOTICE. MADURAI LOCAL PLANNING AUTHORITY. File No: 1940/2023/SWP-9YMXXO12B. In the G.O.Ms.No.122 Housing and Urban Development Department dated 06.02.1995 the Government have approved the Madurai Master Plan and enforced.

सेंट्रल बैंक ऑफ इंडिया Central Bank of India. Possession Notice under (RULE 8 (1)) SARFAESI Rule. Whereas, the Authorised officer of the Central Bank of India, Ellisnagar Branch under the Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act 2002, and in exercise of powers conferred under Section 13 (2) and 13 (12) read with the Rule 3 of the Security Interest (Enforcement) Rules 2002 issued a demand notice dated 17.02.2023 & Paper published on dated 22.04.2023, calling upon the borrower Smt. Kavitha Mahendran W/o. T. Mahendran, Guarantor Mr. V. N. Ayyadurai S/o. Late Natesa Mudaliar to repay the amount mentioned in the notice being Rs 37,94,755/- (Rupees Thirty Seven Lakh Ninety Four thousand seven hundred and Fifty Five only) (which represents the principal plus interest due as on the 17.02.2023) plus interest and other charges from 18.02.2023 to till date within 60 days from the date of receipt of the said notice.

Category of the Industry :

RED



CONSENT ORDER NO. 2401155005091 DATED: 21/02/2024.

PROCEEDINGS NO.T4/TNPCB/F.2414VDR/RL//VDR/W/2024 DATED: 21/02/2024

SUB: TNPC Board-Consent for Establishment-M/S STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU - E.KUMARALINGAPURAM INDUSTRIAL PARK, VIRUDHUNAGAR DISTRICT S.F No. E.Kumaralingapuram Village S.Nos. 134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5, 273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1, 282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1, 205/2, 205/3, 205/4, 205/5, 208/1, 208/2, 208/3, 208/4, 208/5, 208/6, 208/7, 209/1, 209/2, 209/3, 209/4, 209/5, 209/6, 210/1, 210/2A, 210/2B, 210/2C, 210/2D, 210/3, 210/4A1, 210/4A2, 210/4A3, 210/4A4, 210/4A5, 210/4B, 210/5, 211/1, 211/2, 211/3A, 211/3B, 211/4A, 211/4B, 211/4C, 211/4D, 211/5, 212/1A, 212/1B1, 212/1B2, 212/2A, 212/2B, 212/3, 212/4A, 212/4B, 212/5, 213/1, 213/2, 213/3A, 213/3B, 213/3C, 213/3D, 213/3E, 213/3F, 213/3G, 213/4, 213/5, 213/6, 180/1A, 180/1B, 180/1C, 180/1D, 180/2, 180/3, 181/1, 181/2, 181/3A, 181/3B, 181/4, 181/5, 181/6, 182/1, 182/2, 183/1A, 183/1B, 183/2, 184/1, 184/2, 184/3, 185/1, 185/2, 185/3, 185/4, 186/1, 186/2, 186/3, 187/1, 187/2, 187/3A, 187/3B, 187/3C, 187/4, 188/1, 188/2, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 190/1, 190/2, 190/3, 190/4, 191/1, 191/2, 191/3, 191/4, 191/5A, 191/5B, 191/6, 191/7, 192/1, 192/2, 192/3, 192/4A, 192/4B, 193/1, 193/2, 193/3, 193/4, 193/5, 193/6, 194/1, 194/2, 194/3, 195/1, 195/2, 195/3, 196/1A, 196/1B, 196/2, 196/3, 197/1, 197/2, 197/3, 197/4, 197/5A, 197/5B, 198/1, 198/2, 199/1, 199/2, 199/3, 199/4, 200, 201/1A, 201/1B, 201/2A, 201/2B, 201/3. E.Muthulingapuram Village S.Nos. 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4. Thulukkappatti Village S.Nos. 239/1, 239/2, 239/3, 239/4, 239/5, 239/6, 239/7, 239/8, 239/9, 239/10, 239/11, 240/1A, 240/1B, 240/2A, 240/2B, 240/2C, 240/3B, 240/3C, 240/3D, 240/4A, 240/4B, 240/4C, 240/4D, 240/6A, 240/6B, 240/7A, 240/7B, 240/8, 240/9A, 240/9B, 240/10A, 240/10B, 240/11, 240/12, 240/13, 241/1, 241/2, 241/3, 241/4A, 241/4B, 241/5, 241/6, 241/7, 241/8, 241/9, 242/1, 242/2, 242/3A, 242/3B, 242/4A, 242/4B, 242/5A, 242/5B, 242/5C, 242/6, 243/1A, 243/1B, 243/1C, 243/1D, 243/2, 243/3, 244, 245/1, 245/2, 247/1, 247/2, 247/3A, 247/3B, 247/4, 247/5, 248/1, 248/2, 248/3A, 248/3B, 248/4A, 248/4B, 248/4C, 248/5, 248/6, 248/7A, 248/7B, 248/8, 248/9, 248/10, 248/11, 250/1A, 250/1B, 250/2, 250/4, 250/5B, 250/6, 250/7A, 250/7B, 250/8A, 250/8B, 250/9, 250/10, 250/11, 250/12, 250/13, 250/14, 250/15, 250/16, 250/17 of Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu, KUMARALINGAPURAM E Village, Sattur Taluk, Virudhunagar 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. Online application No. 55005091 through OCMMS Dated 27-10-2023
 2. IR.No : F.2414VDR/RL/DEE/VDR/2024 dated 07/02/2024
 3. Minutes of the 223rd TSC meeting held on 08.02.2024 (vide TSC Item No. 223-08)

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,

STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU - E.KUMARALINGAPURAM

INDUSTRIAL PARK, VIRUDHUNAGAR DISTRICT

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

S.F No. E.Kumaralingapuram Village S.Nos. 134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5, 273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1, 282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1, 205/2, 205/3, 205/4, 205/5, 208/1, 208/2, 208/3, 208/4, 208/5, 208/6, 208/7, 209/1, 209/2, 209/3, 209/4, 209/5, 209/6, 210/1, 210/2A, 210/2B, 210/2C, 210/2D, 210/3, 210/4A1, 210/4A2, 210/4A3, 210/4A4, 210/4A5, 210/4B, 210/5, 211/1, 211/2, 211/3A, 211/3B, 211/4A, 211/4B, 211/4C, 211/4D, 211/5, 212/1A, 212/1B1, 212/1B2, 212/2A, 212/2B, 212/3, 212/4A, 212/4B, 212/5, 213/1, 213/2, 213/3A, 213/3B, 213/3C, 213/3D, 213/3E, 213/3F, 213/3G, 213/4, 213/5, 213/6, 180/1A, 180/1B, 180/1C, 180/1D, 180/2, 180/3, 181/1, 181/2, 181/3A, 181/3B, 181/4, 181/5, 181/6, 182/1, 182/2, 183/1A, 183/1B, 183/2, 184/1, 184/2, 184/3, 185/1, 185/2, 185/3, 185/4, 186/1, 186/2, 186/3, 187/1, 187/2, 187/3A, 187/3B, 187/3C, 187/4, 188/1, 188/2, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 190/1, 190/2, 190/3, 190/4, 191/1, 191/2, 191/3, 191/4, 191/5A, 191/5B, 191/6, 191/7, 192/1, 192/2, 192/3, 192/4A, 192/4B, 193/1, 193/2, 193/3, 193/4, 193/5, 193/6, 194/1, 194/2, 194/3, 195/1, 195/2, 195/3, 196/1A, 196/1B, 196/2, 196/3, 197/1, 197/2, 197/3, 197/4, 197/5A, 197/5B, 198/1, 198/2, 199/1, 199/2, 199/3, 199/4, 200, 201/1A, 201/1B, 201/2A, 201/2B, 201/3, E.Muthulingapuram Village S.Nos. 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4, Thulukkapatti Village S.Nos. 239/1, 239/2, 239/3, 239/4, 239/5, 239/6, 239/7, 239/8, 239/9, 239/10, 239/11, 240/1A, 240/1B, 240/2A, 240/2B, 240/2C, 240/3B, 240/3C, 240/3D, 240/4A, 240/4B, 240/4C, 240/4D, 240/6A, 240/6B, 240/7A, 240/7B, 240/8, 240/9A, 240/9B, 240/10A, 240/10B, 240/11, 240/12, 240/13, 241/1, 241/2, 241/3, 241/4A, 241/4B, 241/5, 241/6, 241/7, 241/8, 241/9, 242/1, 242/2, 242/3A, 242/3B, 242/4A, 242/4B, 242/5A, 242/5B, 242/5C, 242/6, 243/1A, 243/1B, 243/1C, 243/1D, 243/2, 243/3, 244, 245/1, 245/2, 247/1, 247/2, 247/3A, 247/3B, 247/4, 247/5, 248/1, 248/2, 248/3A, 248/3B, 248/4A, 248/4B, 248/4C, 248/5, 248/6, 248/7A, 248/7B, 248/8, 248/9, 248/10, 248/11, 250/1A, 250/1B, 250/2, 250/4, 250/5B, 250/6, 250/7A, 250/7B, 250/8A, 250/8B, 250/9, 250/10, 250/11, 250/12, 250/13, 250/14, 250/15, 250/16, 250/17 of Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu

KUMARALINGAPURAM E Village,

Sattur Taluk,

Virudhunagar District.

This Consent to establish is valid upto **March 31, 2031**, 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.

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

To

The Managing Director,

M&S STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU - E.KUMARALINGAPURAM INDUSTRIAL
PARK, VIRUDHUNAGAR DISTRICT,

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD (SIPCOT)

19-A, RUKMANI LAKSHMIPATHY ROAD,

EGMORE, CHENNAI

Pin: 600008

Copy to:

1. The Commissioner, VIRUDHUNAGAR-Panchayat Union, Sattur Taluk, Virudhunagar District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, VIRUDHUNAGAR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, TIRUNELVELL.
4. File

SPECIAL CONDITIONS

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

Sl. No.	Description	Quantity	Unit
Product Details			
1.	It is an infrastructure development project in a total area of 425.55 Hectares (1051.10 Acres). It involves development of roads, water supply lines, storm water drains, street lights, greenbelt and such other amenities to accommodate Textile-wet processing units, Dry textile (Apparel, Home Textile) and Other Non EC Category Industries including Industrial Housing Facility.	195	Nos.

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

a	Sewage Treatment Plant:		
Treatment status: Individual STP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Coarse Bar Screen Chamber	1	1.5 * 1 * 1
2.	Fine Bar Screen Chamber	1	1.5 * 1 * 1
3.	Oil & Grease Trap	1	2.5 * 1 * 2
4.	Rotary Drum Screen Chamber	1	2.5 * 1.2 * 2
5.	Anoxic Tank	1	8.63 * 4.34 * 3
6.	Aeration Tank	1	17.4 * 8.6 * 5.5
7.	MBR Tank	1	4.6 * 3 * 3.5
8.	Treated Water Tank	1	4.8 * 8.63 * 4
9.	Sludge Holding Tank	1	8.64 * 5.8 * 4
b	Effluent Treatment Plant:		
Treatment status: CETP			

SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Collection Tank-I	1	30 * 29 * 3.5
2.	Bar Screen Chamber-I	1	2 * 1.5 * 0.8
3.	Oil & Grease Trap-I	1	10 * 9 * 2
4.	Neutralizer Tank-I	1	10.5 * 10.5 * 1.5
5.	Flash Mixer Tank-I	1	10.5 * 10.5 * 1.5
6.	Flocculator Chamber-I	1	10.5 * 10.5 * 1.5
7.	Primary Clarifier Tank-I	1	20 dia * 4.5 depth
8.	Aeration Tank-I	1	33 * 32 * 5.5
9.	Secondary Clarifier Tank-I	1	20 dia * 4.5 depth
10.	Clarified Water Tank-I	1	10 * 10 * 4.5
11.	Sludge Holding Tank-I	1	9 * 9 * 4
12.	UF Feed Tank-I	1	19 * 18 * 3.5
13.	UF Permeate Tank-I	3	19 * 18 * 3.5
14.	RO - I Permeate Tank-I	3	14 * 13 * 3.5
15.	RO-I Reject / RO - II Feed Tank-I	3	9 * 9 * 3.5
16.	RO-II Reject / RO-III Feed Tank-I	3	6.5 * 6 * 3.5
17.	Final Reject / MEE Feed Tank-I	3	5.5 * 5.5 * 3.5
18.	MEE & ATFD - I	1	20 cum/hr (450 KLD)
19.	Collection Tank-II	1	30 * 29 * 3.5
20.	Bar Screen Chamber-II	1	2 * 1.5 * 0.8
21.	Oil & Grease Trap-II	1	10 * 9 * 2
22.	Neutralizer Tank-II	1	10.5 * 10.5 * 1.5
23.	Flash Mixer Tank-II	1	10.5 * 10.5 * 1.5
24.	Flocculator Chamber-II	1	10.5 * 10.5 * 1.5
25.	Primary Clarifier Tank-II	1	20 dia * 4.5 depth
26.	Aeration Tank-II	1	33 * 32 * 5.5
27.	Secondary Clarifier Tank-II	1	20 dia * 4.5 depth
28.	Clarified Water Tank-II	1	10 * 10 * 4.5
29.	Sludge Holding Tank-II	1	9 * 9 * 4
30.	UF Feed Tank-II	1	19 * 18 * 3.5
31.	UF Permeate Tank-II	3	19 * 18 * 3.5
32.	RO - I Permeate Tank-II	3	14 * 13 * 3.5
33.	RO-I Reject / RO - II Feed Tank-II	3	9 * 9 * 3.5
34.	RO-II Reject / RO-III Feed Tank-II	3	6.5 * 6 * 3.5
35.	Final Reject / MEE Feed Tank-II	3	5.5 * 5.5 * 3.5
36.	MEE & ATFD - II	1	20 cum/hr (450 KLD)
37.	Collection Tank-III	1	30 * 29 * 3.5

38.	Bar Screen Chamber-III	1	2 * 1.5 * 0.8
39.	Oil & Grease Trap-III	1	10 * 9 * 2
40.	Neutralizer Tank-III	1	10.5 * 10.5 * 1.5
41.	Flash Mixer Tank-III	1	10.5 * 10.5 * 1.5
42.	Flocculator Chamber-III	1	10.5 * 10.5 * 1.5
43.	Primary Clarifier Tank-III	1	20 dia * 4.5 depth
44.	Aeration Tank-III	1	33 * 32 * 5.5
45.	Secondary Clarifier Tank-III	1	20 dia * 4.5 depth
46.	Clarified Water Tank-III	1	10 * 10 * 4.5
47.	Sludge Holding Tank-III	1	9 * 9 * 4
48.	UF Feed Tank-III	1	19 * 18 * 3.5
49.	UF Permeate Tank-III	3	19 * 18 * 3.5
50.	RO - I Permeate Tank-III	3	14 * 13 * 3.5
51.	RO-I Reject / RO - II Feed Tank-III	3	9 * 9 * 3.5
52.	RO-II Reject / RO-III Feed Tank-III	3	6.5 * 6 * 3.5
53.	Final Reject / MEE Feed Tank-III	3	5.5 * 5.5 * 3.5
54.	MEE & ATFD - III	1	20 cum/hr (450 KLD)

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

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Treated Sewage from Industrial Housing	1215.0	Utilized for flushing for housing and green belt development for IP
2.	Treated Sewage from Individual Industries	4468.0	Individual industries will reuse for flushing and green belt development for IP
Effluent Type : Trade Effluent			
1.	Trade Effluent I	14716.0	Treated effluent will be used for process and utilities
2.	Trade Effluent II (ATFD Concentrate)	20.0	ATFD Salt

4. **Special Additional Conditions:**

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

The industries shall take all efforts to use and popularize "Mission LiFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LiFE" action points and document the same and furnish half yearly report to Board.

5. **Additional Conditions:**

1. The developer shall ensure to comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide. Lr.No.SEIAA-TN/F.No.9262/2023 EC/8(a)/951/2023 dated 11.07.2023.
2. The developer shall ensure to comply with final orders if any passed through Hon'ble Madras High court, Chennai in W.P N.O:2476/2021 and W.P N.O:825/2020.
3. The issue of CTE to the project shall not be construed as CTO and shall not commission the project without obtaining CTO from the Board.
4. The Developer shall start it's establishment activities only after getting the necessary project/building approvals from the competent authorities.
5. This consent order does not absolve from obtaining necessary permission / Clearance from other Authority or under other statutes as applicable.
6. The Developer shall obtain and furnish the approved planning permission from the Competent Authority while applying for CTO of the Board.
7. The Developer 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.
8. The developer shall allot the plots for the individual industries after obtaining the CTO for this Industrial Estate.
9. The Developer shall ensure that the allotted industrial units obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
10. The developer shall provide common sewage treatment plant(STP) as proposed for the treatment of sewage generated from the Industrial housings facility as proposed and developer shall provide necessary conveyance pipes between the Common STP and Industrial Housings facility.
11. The developer shall ensure that the allotted units are mandated to implement own sewage treatment system for treating and disposing the sewage .
12. The Developer shall provide Common Effluent Treatment plant with ZLD to treat and dispose the trade effluent from the wet textile Industries as proposed.
13. The Developer shall ensure that the individual units (other than wet textile industries) are mandated to implement own effluent treatment with ZLD system for treating the trade effluent generated as proposed.
14. The Developer shall obtain and furnish necessary permission / NOC for water supply from the TWAD Board / competent Authority while applying for CTO of the Board.
15. The Developer 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.
16. The Developer 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.
17. The Developer shall provide a common solid waste treatment and disposal facility for the disposal of solid wastes (bio degradable wastes) to be generated from the industries.
18. 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.
19. The Developer shall allot 5% of the total plot area for Waste Management as per the Solid waste Management Rules, 2016 as amended
20. The Developer shall provide Rain Water Harvesting pits so as to recharge the ground water table.
21. The Developer shall ensure that the plastic wastes are segregated and disposed as per the provisions of Plastic Waste (Management and Handling) Rules, 2016.
22. The Developer shall properly develop the common amenities like road, Storm water drain, street lights, water supply pipelines and avenue plantation in OSR area.
23. The Developer shall earmark the buffer zone all around the periphery of the layout.
24. The Developer shall provide solar powered lights for illumination of common areas, lighting for gardens and street lighting.
25. The Developer shall ensure that the allotted units do not dig any well or bore well inside their premises for drawing of ground water.
26. The Developer shall comply with the E- waste Management Rules, 2022.
27. The Developer 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 Rules.
28. The Developer shall complete all the activities of Environment Management Plan(EMP), spend the Corporate Environment Responsibility (CER) fund fully as committed in the affidavit submitted to the SEIAA, TN and shall submit the proof documents before obtaining CTO from TNPCB.
29. The Developer shall remit consent fee in case of revision by the Government.

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

GENERAL CONDITIONS

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

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

Category of the Industry :

RED



CONSENT ORDER NO. 2401255005091 DATED: 21/02/2024.

PROCEEDINGS NO.T4/TNPCB/F.2414VDR/RL/VDR/A/2024 DATED: 21/02/2024

SUB: TNPC Board-Consent for Establishment-M/s. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU - E.KUMARALINGAPURAM INDUSTRIAL PARK, VIRUDHUNAGAR DISTRICT , S.F. No. E.Kumaralingapuram Village S.Nos. 134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5, 273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1, 282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1, 205/2, 205/3, 205/4, 205/5, 208/1, 208/2, 208/3, 208/4, 208/5, 208/6, 208/7, 209/1, 209/2, 209/3, 209/4, 209/5, 209/6, 210/1, 210/2A, 210/2B, 210/2C, 210/2D, 210/3, 210/4A1, 210/4A2, 210/4A3, 210/4A4, 210/4A5, 210/4B, 210/5, 211/1, 211/2, 211/3A, 211/3B, 211/4A, 211/4B, 211/4C, 211/4D, 211/5, 212/1A, 212/1B1, 212/1B2, 212/2A, 212/2B, 212/3, 212/4A, 212/4B, 212/5, 213/1, 213/2, 213/3A, 213/3B, 213/3C, 213/3D, 213/3E, 213/3F, 213/3G, 213/4, 213/5, 213/6, 180/1A, 180/1B, 180/1C, 180/1D, 180/2, 180/3, 181/1, 181/2, 181/3A, 181/3B, 181/4, 181/5, 181/6, 182/1, 182/2, 183/1A, 183/1B, 183/2, 184/1, 184/2, 184/3, 185/1, 185/2, 185/3, 185/4, 186/1, 186/2, 186/3, 187/1, 187/2, 187/3A, 187/3B, 187/3C, 187/4, 188/1, 188/2, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 190/1, 190/2, 190/3, 190/4, 191/1, 191/2, 191/3, 191/4, 191/5A, 191/5B, 191/6, 191/7, 192/1, 192/2, 192/3, 192/4A, 192/4B, 193/1, 193/2, 193/3, 193/4, 193/5, 193/6, 194/1, 194/2, 194/3, 195/1, 195/2, 195/3, 196/1A, 196/1B, 196/2, 196/3, 197/1, 197/2, 197/3, 197/4, 197/5A, 197/5B, 198/1, 198/2, 199/1, 199/2, 199/3, 199/4, 200, 201/1A, 201/1B, 201/2A, 201/2B, 201/3. E.Muthulingapuram Village S.Nos. 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4. Thulukkappatti Village S.Nos. 239/1, 239/2, 239/3, 239/4, 239/5, 239/6, 239/7, 239/8, 239/9, 239/10, 239/11, 240/1A, 240/1B, 240/2A, 240/2B, 240/2C, 240/3B, 240/3C, 240/3D, 240/4A, 240/4B, 240/4C, 240/4D, 240/6A, 240/6B, 240/7A, 240/7B, 240/8, 240/9A, 240/9B, 240/10A, 240/10B, 240/11, 240/12, 240/13, 241/1, 241/2, 241/3, 241/4A, 241/4B, 241/5, 241/6, 241/7, 241/8, 241/9, 242/1, 242/2, 242/3A, 242/3B, 242/4A, 242/4B, 242/5A, 242/5B, 242/5C, 242/6, 243/1A, 243/1B, 243/1C, 243/1D, 243/2, 243/3, 244, 245/1, 245/2, 247/1, 247/2, 247/3A, 247/3B, 247/4, 247/5, 248/1, 248/2, 248/3A, 248/3B, 248/4A, 248/4B, 248/4C, 248/5, 248/6, 248/7A, 248/7B, 248/8, 248/9, 248/10, 248/11, 250/1A, 250/1B, 250/2, 250/4, 250/5B, 250/6, 250/7A, 250/7B, 250/8A, 250/8B, 250/9, 250/10, 250/11, 250/12, 250/13, 250/14, 250/15, 250/16, 250/17 of Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu, KUMARALINGAPURAM E village, Sattur Taluk and Virudhunagar 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. Online application No. 55005091 through OCMMS Dated 27-10-2023
2. IR.No : F.2414VDR/RL/DEE/VDR/2024 dated 07/02/2024
3. Minutes of the 223rd TSC meeting held on 08.02.2024 (vide TSC Item No. 223-08)

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 . STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU - E.KUMARALINGAPURAM INDUSTRIAL PARK, VIRUDHUNAGAR DISTRICT

S.F.No. E.Kumaralingapuram Village S.Nos. 134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 227/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5, 273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1, 282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1, 205/2, 205/3, 205/4, 205/5, 208/1, 208/2, 208/3, 208/4, 208/5, 208/6, 208/7, 209/1, 209/2, 209/3, 209/4, 209/5, 209/6, 210/1, 210/2A, 210/2B, 210/2C, 210/2D, 210/3, 210/4A1, 210/4A2, 210/4A3, 210/4A4, 210/4A5, 210/4B, 210/5, 211/1, 211/2, 211/3A, 211/3B, 211/4A, 211/4B, 211/4C, 211/4D, 211/5, 212/1A, 212/1B1, 212/1B2, 212/2A, 212/2B, 212/3, 212/4A, 212/4B, 212/5, 213/1, 213/2, 213/3A, 213/3B, 213/3C, 213/3D, 213/3E, 213/3F, 213/3G, 213/4, 213/5, 213/6, 180/1A, 180/1B, 180/1C, 180/1D, 180/2, 180/3, 181/1, 181/2, 181/3A, 181/3B, 181/4, 181/5, 181/6, 182/1, 182/2, 183/1A, 183/1B, 183/2, 184/1, 184/2, 184/3, 185/1, 185/2, 185/3, 185/4, 186/1, 186/2, 186/3, 187/1, 187/2, 187/3A, 187/3B, 187/3C, 187/4, 188/1, 188/2, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 190/1, 190/2, 190/3, 190/4, 191/1, 191/2, 191/3, 191/4, 191/5A, 191/5B, 191/6, 191/7, 192/1, 192/2, 192/3, 192/4A, 192/4B, 193/1, 193/2, 193/3, 193/4, 193/5, 193/6, 194/1, 194/2, 194/3, 195/1, 195/2, 195/3, 196/1A, 196/1B, 196/2, 196/3, 197/1, 197/2, 197/3, 197/4, 197/5A, 197/5B, 198/1, 198/2, 199/1, 199/2, 199/3, 199/4, 200, 201/1A, 201/1B, 201/2A, 201/2B, 201/3, E.Muthulingapuram Village S.Nos. 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4. Thulukkappatti Village S.Nos. 239/1, 239/2, 239/3, 239/4, 239/5, 239/6, 239/7, 239/8, 239/9, 239/10, 239/11, 240/1A, 240/1B, 240/2A, 240/2B, 240/2C, 240/3B, 240/3C, 240/3D, 240/4A, 240/4B, 240/4C, 240/4D, 240/6A, 240/6B, 240/7A, 240/7B, 240/8, 240/9A, 240/9B, 240/10A, 240/10B, 240/11, 240/12, 240/13, 241/1, 241/2, 241/3, 241/4A, 241/4B, 241/5, 241/6, 241/7, 241/8, 241/9, 242/1, 242/2, 242/3A, 242/3B, 242/4A, 242/4B, 242/5A, 242/5B, 242/5C, 242/6, 243/1A, 243/1B, 243/1C, 243/1D, 243/2, 243/3, 244, 245/1, 245/2, 247/1, 247/2, 247/3A, 247/3B, 247/4, 247/5, 248/1, 248/2, 248/3A, 248/3B, 248/4A, 248/4B, 248/4C, 248/5, 248/6, 248/7A, 248/7B, 248/8, 248/9, 248/10, 248/11, 250/1A, 250/1B, 250/2, 250/4, 250/5B, 250/6, 250/7A, 250/7B, 250/8A, 250/8B, 250/9, 250/10, 250/11, 250/12, 250/13, 250/14, 250/15, 250/16, 250/17 of Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu

KUMARALINGAPURAM E Village

Sattur Taluk

Virudhunagar District.

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

S.F No. E.Kumaralingapuram Village S.Nos. 134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1, 263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5, 273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1, 282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1, 205/2, 205/3, 205/4, 205/5, 208/1, 208/2, 208/3, 208/4, 208/5, 208/6, 208/7, 209/1, 209/2, 209/3, 209/4, 209/5, 209/6, 210/1, 210/2A, 210/2B, 210/2C, 210/2D, 210/3, 210/4A1, 210/4A2, 210/4A3, 210/4A4, 210/4A5, 210/4B, 210/5, 211/1, 211/2, 211/3A, 211/3B, 211/4A, 211/4B, 211/4C, 211/4D, 211/5, 212/1A, 212/1B1, 212/1B2, 212/2A, 212/2B, 212/3, 212/4A, 212/4B, 212/5, 213/1, 213/2, 213/3A, 213/3B, 213/3C, 213/3D, 213/3E, 213/3F, 213/3G, 213/4, 213/5, 213/6, 180/1A, 180/1B, 180/1C, 180/1D, 180/2, 180/3, 181/1, 181/2, 181/3A, 181/3B, 181/4, 181/5, 181/6, 182/1, 182/2, 183/1A, 183/1B, 183/2, 184/1, 184/2, 184/3, 185/1, 185/2, 185/3, 185/4, 186/1, 186/2, 186/3, 187/1, 187/2, 187/3A, 187/3B, 187/3C, 187/4, 188/1, 188/2, 189/1, 189/2, 189/3, 189/4, 189/5, 189/6, 189/7, 190/1, 190/2, 190/3, 190/4, 191/1, 191/2, 191/3, 191/4, 191/5A, 191/5B, 191/6, 191/7, 192/1, 192/2, 192/3, 192/4A, 192/4B, 193/1, 193/2, 193/3, 193/4, 193/5, 193/6, 194/1, 194/2, 194/3, 195/1, 195/2, 195/3, 196/1A, 196/1B, 196/2, 196/3, 197/1, 197/2, 197/3, 197/4, 197/5A, 197/5B, 198/1, 198/2, 199/1, 199/2, 199/3, 199/4, 200, 201/1A, 201/1B, 201/2A, 201/2B, 201/3, E.Muthulingapuram Village S.Nos. 14/1, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 15/1, 15/2, 15/3, 62/1, 62/2, 62/3, 62/4, 63/1, 63/2, 63/3, 64, 67, 68/1, 68/2, 69/1, 69/2, 69/3, 69/4, 71/1, 71/2, 71/3, 71/4. Thulukkappatti Village S.Nos. 239/1, 239/2, 239/3, 239/4, 239/5, 239/6, 239/7, 239/8, 239/9, 239/10, 239/11, 240/1A, 240/1B, 240/2A, 240/2B, 240/2C, 240/3B, 240/3C, 240/3D, 240/4A, 240/4B, 240/4C, 240/4D, 240/6A, 240/6B, 240/7A, 240/7B, 240/8, 240/9A, 240/9B, 240/10A, 240/10B, 240/11, 240/12, 240/13, 241/1, 241/2, 241/3, 241/4A, 241/4B, 241/5, 241/6, 241/7, 241/8, 241/9, 242/1, 242/2, 242/3A, 242/3B, 242/4A, 242/4B, 242/5A, 242/5B, 242/5C, 242/6, 243/1A, 243/1B, 243/1C, 243/1D, 243/2, 243/3, 244, 245/1, 245/2, 247/1, 247/2, 247/3A, 247/3B, 247/4, 247/5, 248/1, 248/2, 248/3A, 248/3B, 248/4A, 248/4B, 248/4C, 248/5, 248/6, 248/7A, 248/7B, 248/8, 248/9, 248/10, 248/11, 250/1A, 250/1B, 250/2, 250/4, 250/5B, 250/6, 250/7A, 250/7B, 250/8A, 250/8B, 250/9, 250/10, 250/11, 250/12, 250/13, 250/14, 250/15, 250/16, 250/17 of Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu

KUMARALINGAPURAM E Village,

Sattur Taluk,

Virudhunagar District.

This Consent to establish is valid upto **March 31, 2031**, 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.

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU - E.KUMARALINGAPURAM INDUSTRIAL
PARK, VIRUDHUNAGAR DISTRICT,
STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD (SIPCOT)
19-A, RUKMANI LAKSHMIPATHY ROAD,
EGMORE, CHENNAI

Pin: 600008

Copy to:

1. The Commissioner, VIRUDHUNAGAR-Panchayat Union, Sattur Taluk, Virudhunagar District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, VIRUDHUNAGAR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, TIRUNELVELL.
 4. File
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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.	It is an infrastructure development project in a total area of 425.55 Hectares (1051.10 Acres). It involves development of roads, water supply lines, storm water drains, street lights, greenbelt and such other amenities to accommodate Textile-wet processing units, Dry textile (Apparel, Home Textile) and Other Non EC Category Industries including Industrial Housing Facility.	195	Nos.

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
1	DG Set (1000 KVA)	Acoustic enclosures with stack	30	
2	DG Set (1000 KVA)	Acoustic enclosures with stack	30	
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	DG Set (2 X 1000 KVA)	Noise	Acoustic Enclosure	

3. **Special Additional Conditions:**

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

The industries shall take all efforts to use and popularize "Mission LiFE" logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt "Mission LiFE" action points and document the same and furnish half yearly report to Board.

4. **Additional Conditions:**

1. The Developer shall comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide. Lr.No.SEIAA-TN/F.No.9262/2023 EC/8(a)/951/2023 dated 11.07.2023.
2. The Developer shall ensure to comply with final orders if any passed through Hon'ble Madras High court, Chennai in W.P N.O:2476/2021 and W.P N.O:825/2020.
3. The Developer shall ensure that no process emission is let out from its activity.
4. The Developer shall conduct Ambient Noise level survey report and Ambient Air Quality survey report for base line data to assess the quality of Ambient Air and Ambient Noise level and submit the report within one month's time.
5. The Developer 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.
6. The Developer shall install online Continuous Ambient Air Quality Monitoring System (CAAQMS) stations in the downwind and upwind directions and shall connect the same to CAC, TNPCB, Chennai.
7. The Developer shall initiate action to develop green belt in 33% of total area with native species.
8. The Developer shall remit consent fee in case of revision by the Government

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

GENERAL CONDITIONS

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

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

Hubert Enviro Care Systems (P) Ltd.

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

Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

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

Page: 1 of 1

Name of the Client : **M/s. SIPCOT**

Address of the Client : **Vinodhanganur**
: **Atmospheric Pollution**

Sample Name : **Ambient Air (AA)**

Sample Matrix : **Near Project Site (Kumaralingapuram)**

Sample Reference : **NA**

Sample Executed by : **M/s. Hubert Enviro care Systems (P) Ltd.**

Sample Location : **NA**

Environmental Condition : **Temperature (°C) : 33.0 Humidity (%) : 56.0**

Sampling Method & Point : **IS 5182 Part 5 & Part 14**

U.R. : **TC1231024000046165F**

Report No. : **HECS/AP/018/260924**

Sample ID No. : **260924084**

Sampling Date : **26/09/2024**

Received Date : **26/09/2024**

Completed Date : **28/09/2024**

Completed On : **30/09/2024**

Report Date : **30/09/2024**

Sample quantity : **NA**

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Diagnostic : Chemical						
1.	Arsenic	µg/m ³	BLQ (LOQ: 2.0)	HECS-GONSOCHV 041 Issue No. 01 Issue Date: 01.03.2021	0 (Annual)	6 (Annual)
2.	Nickel	µg/m ³	BLQ (LOQ: 2.0)	HECS-GONSOCHV 041 Issue No. 01 Issue Date: 01.03.2021	70 (Annual)	20 (Annual)
3.	Benzene-AAQ	µg/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11-2006	5 (Annual)	3 (Annual)
4.	Benzene (d) pyrene-AAQ	µg/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 12-2006	1 (Annual)	1 (Annual)
5.	Ammonia as NH ₃	µg/m ³	7.67	IS 5182 (Part 23) 2016	80 (24 hours)	100 (Annual)
6.	Carbon Monoxide (CO)	µg/m ³	BLQ (LOQ: 1.0)	IS 5182 Part 20 Class 4 1999	4 (1 hour)	2 (8 hours)
7.	Nitrogen dioxide as NO ₂	µg/m ³	21.89	IS 5182 (Part 6) 2006	80 (24 hours)	80 (Annual)
8.	Ozone as O ₃	µg/m ³	10.96	IS 5182 (Part 9) 1974	180 (1 hour)	100 (8 hours)
9.	Particulate matter (Size less than 10 µm)	µg/m ³	49.53	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10.	Particulate matter (Size less than 2.5 µm)	µg/m ³	21.71	IS 5182 (Part 24) 2019	80 (24 hours)	40 (Annual)
11.	Sulphur dioxide as SO ₂	µg/m ³	14.70	IS 5182 (Part 2) 2001	80 (24 hours)	30 (Annual)
12.	Lead	µg/m ³	BLQ (LOQ: 0.002)	HECS-GONSOCHV 041 Issue No. 01 Issue Date: 01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



D. Ananya
Lab Manager
Authorized Signatory

TEST REPORT

Page: 1 of 1

Name of the Client: M/S. SIVUOT
 Address of the Client: Veedhivanagar
 Group: Atmospheric Pollution
 Sample Name: Ambient Air (All)
 Sample Matrix: Near Project Site (Kumaralingam)
 Sample Reference: NA
 Sample Disc'd By: M/s. Hubert Enviro care Systems (P) Ltd.
 Sample Location: NA
 Environmental Condition: Temperature (°C): 32.0 Humidity (%): 56.0
 Sampling Method & Plan: IS 5182 Part 5 & Part 14

Report No.: HECS/AP/018/260924/V
 Sample ID No.: 260924044
 Sampling Date: 26/09/2024
 Received Date: 26/09/2024
 Commenced Date: 26/09/2024
 Completed On: 30/09/2024
 Report Date: 30/09/2024
 Sample quantity: NA

S.No.	Test Parameters	Units	Results	Test Method
1	TVOC	ppmv	BLQ (LOQ 0.1)	HECS-G/ENV/A&Q/SOP/002/Com No. 01 Issue Date: 02.10.2020

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

End of Report



D. Ananya
 Lab Manager
 Authorized Signatory



TEST REPORT

Page: 1 of 1

Name of the Client : M/s. NIPCOIT
Address of the Client : Virudhannagar
City : Virudhannagar
Sample Name : Ambient Air (AB)
Sample Mark : Mettamalai
Sample Reference : NA
Sample Taken By : M/s. Hubert Enviro Care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

U.L.N : TC/13/10240009461661
Report No. : HECG/AM/019/260924
Sample ID No : 260924043
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 30/09/2024
Report Date : 30/09/2024
Sample quantity? NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1.	Arsenic	µg/m ³	BLQ (L.O.Q. 2.0)	HECS-G/MS/50P/043 Issue No. 01 Issue Date: 01.03.2021	6 (Annual)	6 (Annual)
2.	Nickel	µg/m ³	BLQ (L.O.Q. 2.0)	HECS-G/MS/50P/043 Issue No. 01 Issue Date: 01.03.2021	20 (Annual)	20 (Annual)
3.	Benzene-AAQ	µg/m ³	BLQ (L.O.Q. 0.1)	IS 5182 (Part 11) 2009	5 (Annual)	5 (Annual)
4.	Benzene (a) pyrene-AAQ	µg/m ³	BLQ (L.O.Q. 0.1)	IS 5182 (Part 12) 2009	1 (Annual)	1 (Annual)
5.	Ammonia as NH ₃	µg/m ³	8.30	IS 5182 (Part 25) 2019	800 (24 hours)	100 (Annual)
6.	Carbon Monoxide (CO)	µg/m ³	BLQ (L.O.Q. 0.05)	IS 5182 (Part 05) Clause 4 1999	4 (1 hour)	2 (8 hours)
7.	Nitrogen Dioxide as NO ₂	µg/m ³	20.15	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8.	Ozone as O ₃	µg/m ³	10.09	IS 5182 (Part 9) 1974	180 (1 hour)	100 (8 hours)
9.	Particulate matter (Site Specific 10 µm)	µg/m ³	56.18	IS 5182 (Part 23) 2005	100 (24 hours)	60 (Annual)
10.	Particulate matter (Site Specific 2.5 µm)	µg/m ³	39.40	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11.	Sulphur dioxide as SO ₂	µg/m ³	8.76	IS 5182 (Part 21) 2001	80 (24 hours)	50 (Annual)
12.	Lead	µg/m ³	BLQ (L.O.Q. 0.002)	HECS-G/MS/50P/043 Issue No. 01 Issue Date: 01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



D. Anusuya
Lab Manager
Authorized Signatory



TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. SPCOT	Report No.	: HECS/AP/019/260924/N
Address of the Client	: Virudhunagar	Sample ID No.	: 360924045
Group	: Atmospheric Pollution	Sampling Date	: 26/09/2024
Sample Name	: Ambient Air (AA)	Received Date	: 26/09/2024
Sample Media	: Mettambali	Commencement Date	: 26/09/2024
Sample Matrix	: NA	Completion Date	: 26/09/2024
Sample Taken By	: M/s. Hubert Enviro Care Systems (P) Ltd.	Report Date	: 26/09/2024
Sample Location	: NA	Sample quantity	: NA
Environmental Conditions	: Temperature (°C) : 32.0 Humidity (%) : 56.0		
Sampling Method & Date	: IS 5182 Part 5 & Part 14		

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	µg/m ³	BEQ/LOQ (1)	HECS-G/ENV/AAQ/ISO 1005 Issue No. 01 Issue Date: 07.07.2020

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

End of Report



D. Ananya
Lab Manager
Authorized Signatory



TEST REPORT

Page: 1 of 1

Name of the Client : M/s. NIPCOY
Address of the Client : Virudhunagar
Group : Atmospheric Pollution
Sample Name : Ambient Air(AA)
Sample Mark : Tutukuppalli
Sample Reference : NA
Sample Collected By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0
Sampling Method & Place : IS 5182 Part 5 & Part 14

U.L.R. : TC1231024000046167F
Report No. : HECS/AP/020/260924
Sample ID No. : 260924046
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 26/09/2024
Report Date : 26/09/2024
Sample quantity : NA

S.No	Test Parameters	Units	Results	Test Method	NAAQ Standards - 2009	
Discipline : Chemical						
1	Arsenic	µg/m ³	BLQ (LOQ: 2.0)	HECS-G/MS/SC/0111 Issue No. 01 Issue Date: 01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	µg/m ³	BLQ (LOQ: 3.0)	HECS-G/MS/SC/0111 Issue No. 01 Issue Date: 01.03.2021	20 (Annual)	20 (Annual)
3	Benzene AAQ	µg/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzene (a) pyrene AAQ	µg/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH ₃	µg/m ³	3.02	IS 5182 (Part 15): 2018	60 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m ³	BLQ (LOQ: 0.02)	IS 5182 (Part 10) Clause 4: 2006	4 (1 hour)	2 (8 hours)
7	Nitrogen dioxide as NO ₂	µg/m ³	21.47	IS 5182 (Part 6): 2006	80 (24 hours)	40 (Annual)
8	Ozone as O ₃	µg/m ³	11.91	IS 5182 (Part 9): 1974	100 (3 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m ³	49.28	IS 5182 (Part 21): 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m ³	26.75	IS 5182 (Part 24): 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO ₂	µg/m ³	11.39	IS 5182 (Part 2): 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m ³	BLQ (LOQ: 0.002)	HECS-G/MS/SC/0111 Issue No. 01 Issue Date: 01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



D. Anurag
Lab Manager
Authorized Signatory

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Laboratory Services Division

(Chemical & Biological Testing)
Recognized by CPCB (MoEF & CC)
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TEST REPORT

Page 1 of 1

Name of the Client	: M/s. SIPCOT	Report No.	: HECS/AVP/020240914/N
Address of the Client	: Virudhunagar	Sample ID No.	: 260924046
Group	: Atmospheric Pollution	Sampling Date	: 26/09/2024
Sample Name	: Ambient Air(AI)	Received Date	: 26/09/2024
Sample Mark	: Yulokkuppatti	Consignment Date	: 26/09/2024
Sample Reference	: NA	Completion Date	: 30/09/2024
Sample Division By	: M/s. Hubert Enviro care Systems (P) Ltd.	Report Date	: 30/09/2024
Sample Location	: NA	Sample quantity	: NA
Environmental Condition	: Temperature (°C) : 32.0 Humidity (%) : 56.0		
Sampling Method & Plan	: IS 5182 Part 5 & Part 14		

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ (1))	HECS-GENV/AAQ/01P005 Issue No. 01 Issue Date 02/07/2020

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

End of Report



D. Anurag
Lab Manager
Authorized Signatory



TEST REPORT

Page: 1 of 1

Name of the Client : **M/S. SIPCOT**
Address of the Client : **Virudhunagar**
Group : **Atmospheric Pollution**
Sample Name : **Ambient Air(AI)**
Sample Mark : **Naduvasathi**
Sample Reference : **NA**
Sample Drawn By : **M/S. Hubert Enviro care Systems (P) Ltd.**
Sample Location : **NA**
Environmental Condition : **Temperature (°C) : 32.0 | Humidity (%) : 56.0**
Sampling Method & Place : **IS 5182 Part 5 & Part 14**

DLR : **TC/12310240000462311**
Report No : **H/ECS/AP/021/260924**
Sample ID No : **260924047**
Sampling Date : **26/09/2024**
Received Date : **26/09/2024**
Commenced Date : **26/09/2024**
Completed On : **26/09/2024**
Report Date : **26/09/2024**
Sample quantity : **NA**

S.No	Test Parameters	Units	Results	Test Method	CAAQ Standards - 2009	
Diagnostin : Chemical						
1.	Arsenic	ug/m ³	BLQ (LOQ: 2.0)	H/ECS-GSNS/OP/011 Issue No. 01 Issue Date: 01.03.2021	6 (Annual)	6 (Annual)
2.	Barbit	ng/m ³	BLQ (LOQ: 2.0)	H/ECS-GSNS/OP/041 Issue No. 01 Issue Date: 01.03.2021	20 (Annual)	20 (Annual)
3.	Benzene-AAQ	ug/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4.	Benzene (a) anthracene-AAQ	ug/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 12: 2006	1 (Annual)	1 (Annual)
5.	Ammonia as SO2	ug/m ³	3.29	IS 5182 (Part 23): 2016	400 (24 hours)	100 (Annual)
6.	Carbon Monoxide (CO)	mg/m ³	0.00 (LOQ: 0.01)	IS 5182 (Part 106: Clause 4: 1999)	4 (1 hour)	2 (8 hours)
7.	Nitrogen dioxide as NO2	ug/m ³	26.16	IS 5182 (Part 6): 2006	80 (24 hours)	40 (Annual)
8.	Ozone as O3	ug/m ³	11.85	IS 5182 (Part 9): 2004	100 (1 hour)	100 (8 hours)
9.	Particulate matter (Size less than 10 um)	ug/m ³	43.21	IS 5182 (Part 7): 2006	100 (24 hours)	60 (Annual)
10.	Particulate matter (Size less than 2.5 um)	ug/m ³	20.18	IS 5182 (Part 20): 2010	50 (24 hours)	40 (Annual)
11.	Sulphur dioxide as SO2	ug/m ³	8.70	IS 5182 (Part 2): 2004	80 (24 hours)	30 (Annual)
12.	Lead	ug/m ³	BLQ (LOQ: 0.002)	H/ECS-GSNS/OP/041 Issue No. 01 Issue Date: 01.03.2021	1 (24 hours)	0.5 (Annual)

Note: BLQ - Below the Limit of Quantification, LOQ: Limit of Quantification, ug/m³: Microgram per cubic meter, mg/m³: Milligram per cubic meter, ng/m³: Nanogram per cubic meter.

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

End of Report



D. Anusuya
Lab Manager
Authorized Signatory

TEST REPORT

Page: 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Virodhungar
Group : Atmospheric Pollution
Sample Name : Ambient Air(AH)
Sample Mark : Nandavagathi
Sample Reference : NA
Sample Given By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No : HEC/CS/AP/02/260924/N
Sample ID No : 1360924047
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 30/09/2024
Report Date : 30/09/2024
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1.	TVOC	ppmv	BLQ(LOQ 0.3)	HECS-GENV/AAP/SOP/MS Issue No. 01 Issue Date: 07.07.2020

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

End of Report



D. Ananya
Lab Manager
Authorized Signatory



TEST REPORT

Page: 1 of 1

HLR : TC/12/10240000462321
Report No : HEC/SA/012/260924
Sample ID No : 260924048
Sampling Date : 26/09/2024

Name of the Client : M/s. SPCOT
Address of the Client : Virudhanganur
Group : Atmospheric Pollution.

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 30/09/2024
Report Date : 30/09/2024
Sample quantity : NA

Sample Name : Ambient Air(AA)
Sample Mark : Chinnakamanpatti
Sample Reference : NA
Sample Drawn by : M/s. Hubert Enviro care systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1.	Arsenic	ug/m ³	BLQ (LOQ: 2.0)	HECS-G/SS/SC/P/041 Issue No.01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2.	Nickel	ug/m ³	BLQ (LOQ: 2.0)	HECS-G/IN/SS/SC/P/041 Issue No.01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3.	Residue AAQ	ug/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	1 (Annual)	1 (Annual)
4.	Residue for residue-AAQ	ug/m ³	BLQ (LOQ: 0.1)	IS 5182 Part 12: 2006	1 (Annual)	1 (Annual)
5.	Ammonia as NH ₃	ug/m ³	0.38	IS 5182 (Part 73) 2016	400 (24 hours)	100 (Annual)
6.	Carbon Monoxide (CO)	ug/m ³	BLQ(LOQ:0.05)	IS 5182 (Part 04) Clause 4 1999	4 (1 hour)	2.0 (hour)
7.	Nitrogen dioxide as NO ₂	ug/m ³	23.89	IS 5182 (Part 6) 2006	80 (24 hours)	80 (Annual)
8.	Ozone as O ₃	ug/m ³	10.10	IS 5182 (Part 9) 1974	100 (1 hour)	100 (8 hours)
9.	Particulate matter (Dust less than 10 µm)	ug/m ³	56.38	IS 5182 (Part 73) 2006	100 (24 hours)	80 (Annual)
10.	Particulate matter (Dust less than 2.5 µm)	ug/m ³	18.62	IS 5182 (Part 73) 2016	80 (24 hours)	80 (Annual)
11.	Sulphur dioxide as SO ₂	ug/m ³	14.96	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12.	Lead	ug/m ³	BLQ (LOQ: 0.007)	HECS-G/IN/SS/SC/P/041 Issue No.01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ug/m³- Microgram per cubic meter, ug/m³-Microgram per cubic meter, ng/m³-Nanogram per cubic meter.

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



D. Ananya
Lab Manager
Authorized Signatory

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Laboratory Services Division

(Chemical & Biological Testing)
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TEST REPORT

Page 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar
Group : Atmospheric Pollution

Sample Name : Ambient Air(AI)
Sample Mark : Chinnakumarpatti
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Conditions : Temperature (°C) : 32.0 Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/ATP/022/260924/N
Sample ID No. : 260924048
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 28/09/2024
Report Date : 30/09/2024
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TYOC	ppmv	BLQ(BLQ 0.1)	HECS-G/ENV/AQ/501/001 Issue No. 01 Issue Date:07/07/2020

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

End of Report



D. Ananya
Lab Manager
Authorized Signatory



TEST REPORT

Page: 1 of 4

Name of the Client : M/s. SINCOT

Address of the Client : Virudhanganur

Group : Water
Sample Name : Ground Water (All)
Sample Mark : Nadavupatti
Sample Reference : NA
Sample Origin By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.9 | Humidity (%) : 51.0
Sampling Method & Plan : IS 17614(Part-1)-2021

U.R. : TC12510240000468278
Report No : HECS/LAB/013/260924
Sample ID No : 260924057
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Completed Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres.

S.No	Test Parameters	Units	Result	Test Method	IS 18000 : 2012	
					Acceptable Limit (Max)	Permissible Limit (Max)
Discipline : Chemical						
1	Ammonia as NH ₃	mg/l	0.01(0.02)	IS 3025 Part 34 Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Active Surface Active agents as MBAS	mg/l	0.05(0.05)	APHA 23rd edition (Method 5540 B) (C), 2017	0.2	1
3	Bi-carbonate	mg/l	189.0	IS 3025 Part 11: 2001	NA	NA
4	Biological Oxygen Demand (BOD ₅) @ 20°C For 5 days	mg/l	14.03(0.2)	IS 3025 Part 40: 1993	NA	NA
5	Boron as B	mg/l	0.1(0.1)	IS 3025 Part 37 - Colorimetric Method 2021	0.5	2.4
6	Calcium as Ca	mg/l	94.09	IS 3025 Part 40: 1991 (EDTA Titrimetric Method)	25	200
7	Carbonate	mg/l	0.01(0.1)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	0.1(0.1)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl ⁻	mg/l	161.67	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Platinum units	0.1(0.1)	IS 3025 (Part 1): 2021	5	15
11	Cyanide as CN	mg/l	0.01(0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	6.7	IS 3025 (Part 18): 1989 (Titrimetric Method)	NA	NA

Dr. Rajkumar Samuel
Director Technical
Authorized Signatory





TEST REPORT

Page - 2 of 4

Name of the Client : M/s, SHPCOT

Address of the Client : Vrothomagar

Group : Water

Sample Name : Ground Water (All)

Sample Mock : Nadevngari

Sample Reference : NA

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

Sample Location : NA

Environmental Conditions : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

ULR : TC/1231824000046827F

Report No : HECSL/W1/013/260924

Sample ID No : 260914057

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	973.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.41	APHA 23rd edition (Method 4500F-B, D) 2017	1.0	1.5
15	Iron as Fe	mg/l	0.02(0.00-0.03)	IS 3025 (Part 5): 2002	1.0	No relaxation
16	Magnesium as Mg	mg/l	24.3	IS 3025 Part No. 1994 (Volumetric Method using EDTA)	50	100
17	Nitrate as NO ₃	mg/l	0.41	APHA 23rd edition (Method 4500-NO ₃ H) 2017	45	No relaxation
18	Potential Sodium	%	45.31	HECS /W1/SOP/002 - 2019	NA	NA
19	pH at 25°C	-	7.37	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C ₆ H ₅ OH	mg/l	0.00(0.00-0.00)	IS 3025 Part 3) Sec-1: 2022	0.001	0.002
21	Potassium as K	mg/l	9.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	mg/l	0.00(0.00-1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimoles/l)	2.54	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	85.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA

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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. STPCOT

Address of the Client : Virudhanganur

Group : Water

Sample Name : Ground Water (All)

Sample Mark : Nadirampatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

CLR : TC1231024000646827F

Report No : HECS/LWT/013/26/0924

Sample ID No : 260924657

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	75.14	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO ₃	mg/l	140.0	IS 3025 (Part 29): 1984	200	600
27	Total dissolved solids	mg/l	540.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	BLQ (LOQ) 2.00	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO ₄	mg/l	BLQ (LOQ) 0.02	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphate as P	mg/l	BLQ (LOQ) 0.02	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	210.0	IS 3025 (Part 21): 2001	300	600
32	Turbidity, NTU	NTU	BLQ (LOQ) 0.1	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ) 0.005	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ) 0.01	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ) 0.001	USEPA 200.8 : 1994	0.001	No relaxation
36	Chromium	mg/l	BLQ (LOQ) 0.01	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ) 0.01	USEPA 200.8 : 1994	0.05	1.5

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TEST REPORT

Page: 4 of 4

Name of the Client : M/s.SIPCOT

Address of the Client : Vandalamgar

Group : Water

Sample Name : Ground Water (All)

Sample Mark : Naduvapatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

ILR : TC1231034000046827F

Report No. : HEC/SL/W/013/260924

Sample ID No. : 260924057

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Unit	Results	Test Method	IS 4050 : 2012	
					Acceptable Limits (MCL)	Permissible Limits (PCL)
38	Lead	mg/l	BLQ (LOQ: 0.02)	ISIRI 200.8 : 1994	0.01	No relaxation
39	Magnesium	mg/l	BLQ (LOQ: 0.01)	ISIRI 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ: 0.005)	ISIRI 200.8 : 1994	0.01	No relaxation
41	Nickel	mg/l	BLQ (LOQ: 0.01)	ISIRI 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ: 0.005)	ISIRI 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ: 0.01)	ISIRI 200.8 : 1994	3	15

Note :- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification, NTU - Nephelometric Turbidity Unit, mg/l - Milligram per litre, NA - Not Applicable.

End of Report


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TEST REPORT

Page: 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Ground Water (All)

Sample Mark : Naduvapatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

Report No. : HECSL/WT/013/26092024

Sample ID No. : 260924057

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 06/10/2024

Report Date : 10/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr ⁶⁺	mg/l	BLQ(LOQ(0.0))	B-903 Part 3: 2003 (Diphenyl Carbazide method)

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification Quantification, mg/l: milligram per Liter.
End of Report



(Signature)
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TEST REPORT

Page - 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Ground Water (LAB)

Sample Mark : Talukkiappatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17014 (Part-1):2021

U/I No : TC12310240000468163
Report No. : HECSL/WT/014/260924
Sample ID No : 260924058
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Ammonic Surface Active agents as MSAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B) (7/2012)	0.2	1
3	Disinfectant	mg/l	100.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD) @ 27°C For 5 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Cyanide Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	68.14	IS 3025 Part 40: 1993 (EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/l	249.85	IS 3025 Part 12: (9001) Argentometric Method)	250	1000
10	Colony	Hetero units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	1	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	0.5	IS 3025 (Part 36): 1993 (Titrimetric Method)	NA	NA

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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Ground Water (AID)

Sample Mark : Tulakoppatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

U.L.R : TC1231024000468269

Report No : HECS/LWT/044/260924

Sample ID No : 260924058

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Result	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	1307.0	IS 3025 Part 14: 2013	NA	NA
14	Fluoride as F	mg/l	0.44	APHA 23rd edition (Method 4500-F ₁ -D): 2017	1.0	1.5
15	Iron as Fe	mg/l	0.074	IS 3025 (Part 51): 2009	1.0	No relaxation
16	Magnesium as Mg	mg/l	16.45	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	50	100
17	Gypsum as CaSO ₄	mg/l	7.34	APHA 23rd edition (Method 8000-7031B): 2017	45	No relaxation
18	Potassium Sodium	%	45.38	HECS /WT/50P/002 / 2019	NA	NA
19	pH at 25°C	-	7.90	IS 3025(Part 11) : 2022 (Electronic method)	6.5-8.5	No relaxation
20	Phosphate compound as CaH ₂ PO ₄	mg/l	10.00(10.0000)	IS 3025 Part 41 (Part 1): 2022	0.001	0.002
21	Peracetic acid as K ₂	mg/l	14.0	IS 3025 Part 48: 1993 (Fluorimetric/Photometric Method)	NA	NA
22	Residual Sodium Carbonate	mg/l	11.00(10.00)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Septem litre of Imp/decimetre ³	3.15	IS 11624: 2019	NA	NA
24	Sulfate as SO ₄	mg/l	130.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA

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TEST REPORT

Page: 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Virodhanagar

Group : Water

Sample Name : Ground Water (All)

Sample Mark : Tulaikkapatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

ULR : TC12310240000468261

Report No : HEC/SL/WT/014/260924

Sample ID No : 260924058

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 08/10/2024

Report Date : 08/10/2024

Sample quantity : 1 Liter

S.No.	Test Parameters	Units	Results	Test Method	IS 4050 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	63.77	IS 3025 Part 24 Sec 3: 2022 Turbidity Method (Turbidity Method)	200	400
26	Total Alkalinity as CaCO ₃	mg/l	100.0	IS 3025 (Part 21): 1996	200	600
27	Total dissolved solids	mg/l	749.6	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	BLQ (LOQ: 2.0)	IS 3025 (Part 17): 1984	NA	NA
29	Fluoride as F	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 21 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphate as P	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 21 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	739.6	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	BLQ (LOQ: 0.1)	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	IS 3025: 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ: 0.01)	IS 3025: 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ: 0.01)	IS 3025: 1994	0.03	No relaxation
36	Chromium	mg/l	BLQ (LOQ: 0.01)	IS 3025: 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ: 0.01)	IS 3025: 1994	0.05	1.5

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TEST REPORT

Page: 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhomsagar

Group : Water
Sample Name : Ground Water (All)
Sample Mark : Tulukkappathi
Sample Reference : NA
Sample Given By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 52.8
Sampling Method & Plan : IS 17514(Part-1):2021


U.L.R : TC12310240000468261
Report No : HEC/SL/WT/014/260924
Sample ID No : 260924058
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10002 : 2017	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ : 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ : 0.03)	USEPA 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ : 0.002)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ : 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ : 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ : 0.01)	USEPA 200.8 : 1994	5	15

Note : BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable

End of Report


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Laboratory Services Division

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

TEST REPORT

Page: 1 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Ground Water (All)

Sample Mark : Tutukkappath

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 37614 (Part 1)-2021

Report No. : HECS/LWT/014/26/0924/V

Sample Ref No. : 260924058

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 04/10/2024


Report Time : 04/10/2024

Sample quantity : 1 Liters

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr ⁶⁺	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52: 2005 (Diphenyl Carbazide method)

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification Quantification, mg/l: milligram per Liter.
End of Report




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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. STPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Ground Water (All)

Sample Mark : Near Project Site (Kumaralingapuram)

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

ULR : TC/1231024000046815F
Report No : HEC/SL/WT/015/260024
Sample ID No : 260924061
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 18589 : 2012	
					Acceptable Limits (Min)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	REQD(0.00)	IS 3025 Part 34 Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Ammonia Nitrogen Active agents as NH4N	mg/l	REQD(0.00)	APHA 23rd edition (Method 3500 N-C) 2017	0.2	-
3	Iron as Iron	mg/l	100.0	IS 3025 Part 31: 2001	NA	NA
4	Biological Oxygen Demand (BOD) @ 20°C for 5 days	mg/l	REQD(0.00)	IS 3025 Part 44: 1993	NA	NA
5	Mercury as Hg	mg/l	REQD(0.00)	IS 3025 Part 57 - Cold Vapor Method 2021	0.5	2.4
6	Calcium as Ca	mg/l	64.12	IS 3025 Part 46: 1991 (EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	REQD(0.00)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	REQD(0.00)	IS 3025 Part 56: 2006	NA	NA
9	Chloride as Cl	mg/l	235.14	IS 3025 Part 32: 1986 (Argentometric Method)	250	1000
10	Colour	Haze units	REQD(0.00)	IS 3025 (Part-4): 2021	5	15
11	Cyanide as CN	mg/l	REQD(0.00)	IS 3025 Part 77-Part 1: 2021	0.05	No relaxation
12	Dissolved Oxygen	mg/l	6.5	IS 3025 (Part 38): 1995 (Titrimetric Method)	NA	NA

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TEST REPORT

Page: 2 of 4

Name of the Client : M/s. MPCOY

Address of the Client : Virudhunagar

Group : Water

Sample Name : Ground Water (AD)

Sample Mark : Near Project Site (Kumralingapuram)

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 38.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17014(Part-1):2021

U/LR : TC123102-000046825F
Report No. : HECSL/WT/015/260924
Sample ID No. : 260924061
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 17014 : 2021	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	13280	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.43	APHA 23rd edition (Method 4500F- H, 19) 2017	1.0	1.5
15	Iron as Fe	mg/l	HEQ(1.00)0.011	IS 3025 (Part 5) 2002	1.0	No relaxation
16	Magnesium as Mg	mg/l	34.03	IS 3025 Part 46: 1993 (Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	8.14	APHA 23rd edition (Method 4500-NO3D) 2017	45	No relaxation
18	Percent Sulphur	%	43.36	HECS/W/150P/002- 2019	NA	NA
19	pH at 25°C	-	7.45	IS 3025(Part 11) : 2022 (Electrode method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	HEQ(1.00)0.0013	IS 3025 Part 45 Sec 1: 2022	0.001	0.002
21	Potassium as K	mg/l	15.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	mg/l	HEQ(1.00)1.05	IS 11654: 2019	NA	NA
24	Sodium Adsorption Ratio(SAR)	Square root of millimolar	2.58	IS 11624 : 2019	NA	NA
24	Sulphur as S ₂	mg/l	119.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA

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TEST REPORT

Page : 3 of 4

Name of the Client : **M/s. SIPCOT**

Address of the Client : **Virudhunagar**

Group : **Water**

Sample Name : **Ground Water (All)**

Sample Mark : **Near Project Site (Kumuralangapuram)**

Sample Reference : **NA**

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

Sample Location : **NA**

Environmental Conditions : **Temperature (°C) : 28.0 | Humidity (%) : 51.0**

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

U/LN : **TC12310240000460252**

Report No : **HECS/LWT/015/260924**

Sample ID No : **260924061**

Sampling Date : **26/09/2024**

Received Date : **26/09/2024**

Commenced Date : **26/09/2024**

Completed On : **04/10/2024**

Report Date : **04/10/2024**

Sample quantity : **1 Litres**

S.No	Test Parameters	Units	Results	Test Method	IS (2018) : 2022	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO4	mg/l	81.57	IS 3025 Part 24 Sec 1 : 2022 (Turbidity Method)	300	400
26	Total alkalinity as CaCO3	mg/l	188.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	704.0	IS 3025 (part 16): 1984	500	2000
28	Total suspended Solids	mg/l	BLQ (LOQ 2.0)	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO4	mg/l	BLQ (LOQ 0.02)	IS 3025 Part 31 Sec 1 : 2022 (Stannous Chloride method)	NA	NA
30	Phosphate as P	mg/l	BLQ (LOQ 0.02)	IS 3025 Part 31 Sec 1 : 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO3	mg/l	300.0	IS 3025 (Part 21): 2009	300	600
32	Turbidity, NTU	NTU	BLQ (LOQ 0.2)	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ 0.01)	USEPA 200.8 : 1994	0.2	No relaxation
35	Cadmium	mg/l	BLQ (LOQ 0.001)	USEPA 200.8 : 1994	0.001	No relaxation
36	Chromium	mg/l	BLQ (LOQ 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page: 4 of 4

ULR : TC/123102/40000468257
Report No : HECSL/WT/015/260924
Sample ID No : 260924061
Sampling Date : 26/09/2024

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water
Sample Name : Ground Water (All)
Sample Mark : Near Project Site (Kumarallapuram)
Sample Reference : NA
Sample Taken By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0
Sampling Method & Plan : IS 17614 (Part-1):2021

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Limits	Test Method	IS 17614 : 2021	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ-0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ-0.01)	USEPA 200.8 : 1994	0.1	0.1
40	Mercury	mg/l	BLQ (LOQ-0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ-0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ-0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ-0.01)	USEPA 200.8 : 1994	5	15

Note - BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable.

End of Report




Dr. Rajkumar Samuel
Director Technical
Authorized Signatory

TEST REPORT

Page: 1 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Ground Water (All)

Sample Mark : Near Project Site (Kumralingapuram)

Sample Reference : NA

Sample Given by : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

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

Report No : HECSL/WT/015/260924/N

Sample ID No : 260924061

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024


Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr ⁶⁺	mg/l	BLQ/LOQ (L1)	IS 3025 Part 32: 2003 (Diphenyl Carbazole method)

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification Quantification, mg/l. (milligram) per Liter.
End of Report


 Dr. Rajkumar Nannet
 Director Technical
 Authorized Signatory




TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Veedhusigam

Group : Water
Sample Name : Surface Water (All)
Sample Mark : Lake Near E. Muttulingapuram
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro-care-Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 / Humidity (%) : 51.0
Sampling Method & Plan : IS 17614 (Part-1):2021

UTR : TC1231824000048334F
Report No. : HEC/SL/W/016/260924
Sample ID No : 1360924066
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 10/10/2024
Report Date : 10/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
Discipline : Chemical					
1	Ammonia as NHO	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 34 Sec 2: 2021	NA
2	Alkalinity	mg/l	150.0	IS 3025 Part 31: 2001	NA
3	Residual Oxygen Demand (BOD) @ 20°C For 5 days	mg/l	0	IS 3025 Part 44: 1997	2
4	Hardness as Ca	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 37: 2021 (Calcium Method)	NA
5	Calcium as Ca	mg/l	44.09	IS 3025 Part 40: 1999 (EDTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 38: 2006	NA
7	Chloride as Cl	mg/l	186.7	IS 3025 Part 32: 1998 (Argentometric Method)	250
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 9: 2021	10
9	Dissolved oxygen	mg/l	0.0	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	976.0	IS 3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.40	APHA 23rd edition Method 4500 F-0.1: 2017	1.5
12	Iron as Fe	mg/l	0.12	IS 3025 Part 53: 2003	0.3
13	Nitrate as NO3	mg/l	3.7	APHA 23rd edition Method 4500 NO3B: 2017	50



D. Ananya
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TEST REPORT

Page: 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Surface Water (All)

Sample Mark : Lake Near E.Muttallogapuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 Humidity (%) : 51.0

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

U.L.R : TC12A1024000046824F

Report No : HECN/JWT/016/260924

Sample ID No : 260924066

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 04/10/2024

Expiry Date : 04/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C		7.27	IS 3025 Part 31: 2021 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	347.0	IS 3025 Part 16: 1994	500
16	Ambic Surface Active agents as MBAS	mg/l	BLQ(LIQ:0.001)	APHA 21st edition Method 5510 B., c: 2017	0.2
17	Calcium	mg/l	BLQ(LIQ:1.0)	IS 3025 Part 31: 2021	NA
18	Cyanide as CN	mg/l	BLQ(LIQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg	mg/l	21.83	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	24.2
20	Free Chlorine	%	0.54	HEC/SG/W/ESQP002 Issue No:01 Issue date: 18.12: 2021	NA
21	Phenolic compounds as C6H5OH	mg/l	BLQ(LIQ:0.001)	IS 3025 Part 43 Sec 1: 2021	0.00
22	Phosphate as PO4	mg/l	0.009	APHA 21st edition Method 4500-P B.D: 2017	NA
23	Dissolved as Cl	mg/l	7.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate	mg/l	BLQ(LIQ:1.0)	IS 13028: 2019	NA
25	Sodium Adsorption Ratio(SAR)	Square root of (calcium/mg/l)	2.97	IS 11674: 2019	NA



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TEST REPORT

Page: 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water

Sample Name : Surface Water (AW)

Sample Mark : Lake Near E.Muttallogapuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 (Humidity (%) : 51.0

Sampling Method & Plan : IS 17534(Part-1):2021

U/LR : TC/2310240000468241
Report No : HECSLAWT/016/260924
Sample ID No : 260924006
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 10/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 1296 - Class-A)
26	Sodium as Na	mg/l	95.0	IS 3025 Part 43: 1983	NA
27	Sulphate as SO ₄	mg/l	75.37	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO ₃	mg/l	150.0	IS 3025 Part 24: 1986	NA
29	Total Hardness as CaCO ₃	mg/l	200.0	IS 3025 Part 21: 2009	700
30	Total Phosphorus as P	mg/l	0.00	IS 3025 Part 31 Sec 1: 2022	0.5
31	Total Suspended Solids	mg/l	9.0	IS 3025 Part 17: 1994	NA
32	Turbidity	NTU	4.8	IS 3025 Part 10: 1984	1
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8: 1994	0.05
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	1
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8: 1994	0.01
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	0.05
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	1.5
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8: 1994	0.1
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	0.5
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8: 1994	0.01



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TEST REPORT

Page: 4 of 4

Name of the Client : M/s. SIPCOT
Address of the Client : Vandalanagar
Group : Water
Sample Name : Surface Water (All)
Sample Month : Lake Near E. Muttallogapuram
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro Care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 26.0 / Humidity (%) : 51.8
Sampling Method & Plan : IS 17814 (Part-1):2021

Q.I.R. : TC1251024000040824F
Report No. : HEC/SL/WT/016/260924
Sample ID No : 120092406A
Sampling Date : 16/09/2024
Received Date : 16/09/2024
Commenced Date : 16/09/2024
Completed On : 04/10/2024
Report Date : 10/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 - Class-A)
01	Hardness	mg/l	BLQ (LOQ: 0.01)	IS 2296: 1994	NA
02	Sulphates	mg/l	BLQ (LOQ: 0.05)	IS 2296: 1994	0.01
03	Total	mg/l	BLQ (LOQ: 0.01)	IS 2296: 1994	15

Note - BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification, mg/l, mg/litres per Liter.
Unit of Report



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TEST REPORT

Page: 1 of 1

Name of the Client: M/s. NIPCOT

Address of the Client: Virudhunagar

Group: Water

Sample Name: Surface Water (All)

Sample Mark: Lake Near E.Muttulingapuram

Vessel Reference: NA

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

Sample Location: NA

Environmental Condition: Temperature (°C): 28.0 Humidity (%): 51.0

Sampling Method & Plan: IS 17014(Part-1):2021

Report No: HEC/NI/WT/016/260924/8

Sample ID No: 260924066

Sampling Date: 26/09/2024

Received Date: 26/09/2024

Commenced Date: 26/09/2024

Completed On: 04/10/2024

Report Date: 10/10/2024

Sample quantity: 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium	mg/l	BLQ(LQ/LOQ)	IS 3025 Part 52-2001

Note :- BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification Quantification, mg/L: milligram per Litre.
End of Report



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SHCOI

Address of the Client : Virudhanagar

Group : Water
Sample Name : Surface Water (AW)
Sample Mark : Near Kumaralingapuram
Sample Reference : NA
Sample Taken By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 Humidity (%): 51.0
Sampling Method & Date : IS 17614 (Part-1):2011

ULR : TC12310240000469067
Report No. : HECSL/WT/017/260924
Sample ID No : 260924067
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
Disinfection - Chemical					
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 3: 2011	NA
2	Bi-carbonate	mg/l	170.0	IS 3025 Part 31: 2001	NA
3	Biological Oxygen Demand (BOD)@ 27°C for 5 days	mg/l	2.0	IS 3025 Part 44: 1993	2
4	Iron as Fe	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 37: 2011 (Colorimetric Method)	NA
5	Calcium as Ca	mg/l	95.11	IS 3025 Part 40: 1991 (EDTA Titrimetric Method)	80.00
6	Chemical Oxygen Demand (COD)	mg/l	20.0	IS 3025 Part 50: 2000	NA
7	Chloride as Cl	mg/l	191.07	IS 3025 Part 32: 1988 (Argentometric Method)	250
8	Cobalt	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2011	10
9	Dissolved Oxygen	mg/l	6.1	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	741.0	IS 3025 Part 14: 2011	NA
11	Fluoride as F	mg/l	0.47	APHA 23rd edition Method 4500 F-B: 2017	1.5
12	Iron as Fe	mg/l	0.15	IS 3025 Part 33: 2003	0.3
13	Nitrate as NO3	mg/l	6.14	APHA 23rd edition Method 4500 NO3B: 2017	50

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TEST REPORT

Page: 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Water
Sample Name : Surface Water (AW)
Sample Mark : Near Kumaralingapuram
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 / Humidity (%) : 51.0
Sampling Method & Date : IS 17614(Part-1):2021

U.R. : TC1331024000649064
Report No. : HECSE/WT/017/260924
Sample ID No. : 260924067
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Commenced Date : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Liter

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C		7.34	IS 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	415.0	IS 3025 Part 10: 1984	500
16	Anionic Surface Active agents as MBAS	mg/l	III (II,00-0.05)	APHA 23rd edition Method 5540 B, C: 2017	0.2
17	Carbonate	mg/l	III (II,00-1.0)	IS 3025 Part 11: 2001	NA
18	Cyanide as CN	mg/l	III (II,00-0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg	mg/l	29.36	IS 3025 Part 06: 1984 (Volumetric Method using EDTA)	24.2
20	Percent Sodium	%	45.39	HECSE/WT/SOP001 Issue No.01 Issue date 18.12: 2021	NA
21	Phenolic compounds as CH2OH	mg/l	III (II,00-10.00)	IS 3025 Part 4: Sec 1: 2022	0.08
22	Phosphate as PO4	mg/l	0.107	APHA 23rd edition Method 4500 P B.1: 2007	NA
23	Orthovanic as K	mg/l	10.0	IS 3025 Part 03: 1993	NA
24	Residual Sodium Carbonate	mg/l	III (II,00-1.0)	IS 11624: 2019	NA
25	Sulfate As sulphate basic(SAR)	Square unit of millimoles/l	2.83	IS 11624: 2019	NA



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Lab Manager
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TEST REPORT

Page: 1 of 4

Name of the Client : M/s. SD'COT

Address of the Client : Vandalur

Group : Water

Sample Name : Surface Water (AW)

Sample Mark : Near Kumaralingapuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 Humidity (%) : 51.0

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

ULR : TC1231024000046908

Report No : HECS/LWT/017/260924

Sample ID No : 260924067

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 L.Hrs.

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards IS 2296 Class-A1
26	Sulfate as SO ₄	mg/l	105.0	IS 3025 Part 45: 1983	NA
27	Sulfate as SO ₄	mg/l	34.36	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO ₃	mg/l	170.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO ₃	mg/l	200.0	IS 3025 Part 21: 2009	300
30	Total Phosphate as P	mg/l	0.037	IS 3025 Part 11 Sec 1: 2022	0.6
31	Total Suspended Solids	mg/l	13.0	IS 3025 Part 17: 1984	200
32	Turbidity	NTU	7.0	IS 3025 Part 03: 1983	1
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8: 1994	0.05
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	1
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8: 1994	0.001
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	0.05
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	1.5
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8: 1994	0.1
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	0.5
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8: 1994	0.001



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**TEST REPORT**

Page: 4 of 4

CLR : TC1231014000046906F
Report No. : HVECSL/WT/017/260924
Sample ID No. : 260924067
Sampling Date : 26/09/2024

Received Date : 26/09/2024
Completed On : 26/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Litres

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

Group : Water
Sample Name : Surface Water (AW)
Sample Mark : Near Kinnakalingapuram
Sample Reference : NA
Sample Given By : M/s. Hubert Enviro Care Systems (P) Ltd.
Sample Location : NA
Environmental Conditions : Temperature (°C) : 28.0 : Humidity (%) : 51.0
Sampling Method & Plan : IS 17614 (Part-1):2021

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 - Class-A)
41	Nickel	mg/l	BLQ (LOQ: 0.01)	ISOPPA 2008 : 1994	NA
42	Selenium	mg/l	BLQ (LOQ: 0.005)	ISOPPA 2008 : 1994	0.01
43	Zinc	mg/l	BLQ (LOQ: 0.01)	ISOPPA 2008 : 1994	1.0

Note : BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification Quantification, mg/l milligram per Liter.
 End of Report



H. Ananya
 Lab Manager
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TEST REPORT

Page: 1 of 1

Name of the Client : M/s. SIPCOT
 Address of the Client : Virudhunagar
 Group : Water
 Sample Name : Surface Water (AB)
 Sample Mark : Near Kumralingapuram
 Sample Reference : NA
 Sample Order By : M/s. Hubert Enviro Care Systems (P) Ltd.
 Sample Location : NA
 Environmental Condition : Temperature (°C) : 28.0 Humidity (%) : 51.0
 Sampling Method & Plan : IS 17614 (Part 1):2021

Report No : HEC/SL/WT/017/2609/24/N
 Sample ID No : 260924067
 Sampling Date : 26/09/2024
 Received Date : 26/09/2024
 Commenced Date : 26/09/2024
 Completed On : 04/10/2024
 Report Date : 04/10/2024
 Sample quantity : 1 Litres.

S.No.	Test Parameters	Unit	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium	mg/l	BLQ (LOQ 0.01)	IS 1025 Part 52: 2003

Note : BLQ - Below the Limit of Quantification, LOQ - Limit of Quantification, mg/l: milligram per litre.
 End of Report



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TEST REPORT

Page: 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Pollution & Environment
Sample Name : Soil(AH)
Sample Mark : Near Project Site (Kumaralingapuram)
Sample Reference : NA
Sample Given By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 50.0
Sampling Method & Plan : ICARDA-2013

U.L.N : TC1231020000046254F

Report No : HECS/PT/01/26/0924

Sample ID No : 260924069

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Calcium	mg/Kg	81.0 (C.O. R.T)	HECS-G/MS/SOP/043 Issue No.03 Issue Date:01.03.2023
2	Chromium	mg/Kg	31.50	HECS-G/MS/SOP/042 Issue No.03 Issue Date:01.03.2023
3	Copper	mg/Kg	7.61	HECS-G/MS/SOP/047 Issue No.03 Issue Date:01.03.2023
4	Zinc	mg/Kg	54.35	HECS-G/MS/SOP/043 Issue No.03 Issue Date:01.03.2023
5	Soil Texture	-	Sandy clay loam	FAO of United Nations, Rome Chapter III 2008
6	Soil Texture (sand)	%	45.5	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture (silt)	%	23.9	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture (clay)	%	30.6	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 °C (1 - 2)	-	7.54	IS 2720-Part 26: 1987
10	Electrical conductivity @ 25 °C (1 - 2)	µS/cm	255.0	IS 16702: 2000



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TEST REPORT

Page: 2 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Pollution & Environment
Sample Name : Soil (A1)
Sample Mark : Near Project Site (Kumaralingapuram)
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 90.0
Sampling Method & Date : ICARDA-2013

U/LR : TC1231024000046454F
Report No. : HEC-SOPE/01A/260924
Sample ID No. : 260924069
Sampling Date : 26/09/2024
Received Date : 26/09/2024
Commenced Date: 26/09/2024
Completed On : 10/10/2024
Report Date : 10/10/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	g/cm ³	1.72	FAO of United Nations, Rome, 2007
12	Organic Carbon	%	0.50	IS 2720 (Part 22) Section 1.1972
13	Organic Matter	%	0.84	IS 2720 (Part 22) Section 1.1972
14	Available Phosphorus	mg/100g	5.68	FAO of United Nations, Rome Chapter III 2008
15	Boron or B	mg/kg	BLQ(L.OQ 0.1)	HECS-GENV/SSW/SOP/011 Issue No. 01 Issue Date: 02-07-2020
16	Total Nitrogen or N	%	0.0101	IS 14864 Class 2 1999
17	Exchangeable Calcium or Ca	mg/L	11.44	FAO of United Nations, Rome Chapter III 2008
18	Exchangeable Magnesium or Mg	mg/L	8.24	FAO of United Nations, Rome Chapter III 2008
19	Cation Exchange Capacity	meq/100g	3.6	IS 2720 (Part 24) Clause 5.1476
20	Water Holding capacity	%	22.8	IS 14765: 2000
21	Colour	-	Black	HECS-GENV/SSW/SOP/011 Issue No. 01 Issue Date: 02-07-2020
22	Phosphorus	mg	BLQ(L.OQ 5.0)	FAO of United Nations, Rome Chapter

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

End of Report



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TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. NIPCOI	Report No.	: HECS/Q/PT/013/260924/N
Address of the Client	: Virudhunagar	Sample ID No.	: 260924069
Group	: Pollution & Environment	Sampling Date	: 26/09/2024
Sample Name	: SOHAB	Received Date	: 26/09/2024
Sample Mat	: Near Project Site (Kumaralingapuram)	Commenced Date	: 26/09/2024
Sample Reference	: NA	Completed On	: 03/10/2024
Sample Taken By	: M/s. Hubert Enviro care Systems (P) Ltd.	Report Date	: 03/10/2024
Sample Location	: NA	Sample quantity	: 1 kg
Environmental Condition	: Temperature (°C): 29.8 (Humidity (%): 50.6		
Sampling Method & Plan	: ICARDA:2013		

S.No.	Test Parameter	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	15.32	HECS G/NS/SOH/043
2	Iron	mg/kg	2.54	Inhouse method
3	Infiltration Rate	cm/hr	6.4	Inhouse method
4	Moisture	%	1.32	HECS G/NS/PTV/SOH/SOH/003 Issue No. 01 Issue Date 01/03/2020

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



D. Ananya
 Lab Manager
 Authorized Signatory

**TEST REPORT**

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Pollution & Environment

Sample Name : Soil(AI)

Sample Mark : Mettamalai

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 Humidity (%) : 50.0

Sampling Method & Place : ICARDA:2011

U.I.R. : TC12M024000046455F

Report No. : HCS/SOP/010/260924

Sample ID No : 1260924070

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 01/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/kg	ND (L.O.D) (0.1)	HCS-G/0705/SOP/047 Issue No. 01 Issue Date:01.03.2021
2	Chromium	mg/kg	14.70	HCS-G/11NS/SOP/042 Issue No.01 Issue Date:01.03.2021
3	Copper	mg/kg	8.21	HCS-G/08NS/SOP/042 Issue No. 01 Issue Date:01.03.2021
4	Zinc	mg/kg	21.64	HCS-G/08NS/SOP/042 Issue No.01 Issue Date:01.03.2021
5	Soil Texture		Clay 30%	FAO of United Nations, Rome Chapter III 2008
6	Soil Texture (sand)	%	25.8	FAO of United Nations, Rome Chapter III 2008
7	Soil Texture silt	%	34.2	FAO of United Nations, Rome Chapter III 2008
8	Soil Texture (clay)	%	40.0	FAO of United Nations, Rome Chapter III 2008
9	pH Value @ 25 °C (1 - 2)		7.54	IS 2720 (Part 26), 1987
10	Electrical conductivity @ 25 °C (1 - 2)	µS/cm	110.0	IS 14767: 2008

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TEST REPORT

Page: 3 of 2

Name of the Client: M/s. SIPCOT

Address of the Client: Virudhunagar

Group: Pollution & Environment

Sample Name: Soil (A1)

Sample Mark: McDonald

Sample Reference: TNA

Sample Given By: M/s. Hubert Enviro Care System (P) Ltd.

Sample Location: TNA

Environmental Condition: Temperature (°C): 29.0 Humidity (%): 50.0

Sampling Method & Plan: ICARDA:2013

UIR: TC/12310240000464557

Report No: H/CS/PE/014/260924

Sample ID No: 260924070

Sampling Date: 26/09/2024

Received Date: 26/09/2024

Collection Date: 26/09/2024

Completed On: 03/10/2024

Report Date: 03/10/2024

Sample quantity: 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	g/cm ³	1.01	FAO of United Nations Rome 2007.
12	Organic Carbon	%	0.55	IS 2720 (Part 2) Section 1 (1972)
13	Organic Matter	%	0.98	IS 2720 (Part 2) Section 1 (1972)
14	Available Phosphorus	mg/100g	6.40	FAO of United Nations, Rome Chapter - III 2008
15	Biomax B	mg/kg	BLQ (LOQ 0.1)	HECS-G/ENV/SSW/SQ/018 Issue No. 01 Issue Date: 02/07/2020
16	Total Nitrogen as N	%	0.0180	IS 14884 Clause 1 (1999)
17	Exchangeable Calcium as Ca	mg/L	13.24	FAO of United Nations, Rome Chapter - III 2008
18	Exchangeable Magnesium as Mg	mg/L	9.58	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mg/100g	4.7	IS 2720 (Part 24) Clause 5 (1976)
20	Water Holding capacity	%	20.8	IS 14365- 2000
21	Colour	-	Brown	HECS-G/ENV/SSW/SQ/011 Issue No. 01 Issue Date: 02/07/2020
22	Phosphorus	ppm	BLQ (LOQ 5.0)	FAO of United Nations, Rome Chapter -

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

End of Report



H. Anusuya
Lab Manager
Authorized Signatory

TEST REPORT

Page: 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Vicibomagar

Group : Pollution & Environment

Sample Name : Soil (All)

Sample Matrix : Mettazoidal

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 50.0

Sampling Method & Plan : ISIRI:2013

Report No. : HECS/P/0814/260924/S

Sample ID No. : 1260924070

Sampling Date : 26/09/2024

Report Date : 12/10/2024

Commenced Date : 26/09/2024

Completed On : 10/10/2024

Report Date : 10/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Drugs/line : Chemical				
1	Manganese	mg/kg	124.38	HECS-G/MS/MSD/04
2	Iron	mg/kg	1.28	titration method
3	Infiltration Rate	cm/hr	NA	titration method
4	Moisture	%	3.62	HECS-G/ENV/ISSW/SCM003 Issue No. 01 Issue Date: 07/07/2024

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



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TEST REPORT

Page: 1 of 2

Name of the Client : M/s. NIPCOAT

Address of the Client : Virudhunagar

Group : Pollution & Environment
Sample Name : Soil (AD)
Sample Mark : Tubakkappatti
Sample Reference : NA
Sample Given By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA

U/LR : TC1231024008046456F

Report No : HECS/PT/015/2360924

Sample ID No : 260924072

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

Environmental Conditions : Temperature (°C) : 28.0 Humidity (%) : 59.0

Sampling Method & Plan : ICARDA:2013

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	ND (< LOD: 0.5)	HECS-G/MS/507/042 Issue No: 01 Issue Date: 01.03.2021
2	Chromium	mg/Kg	28.11	HECS-G/MS/507/042 Issue No: 01 Issue Date: 01.03.2021
3	Copper	mg/Kg	7.36	HECS-G/MS/507/042 Issue No: 01 Issue Date: 01.03.2021
4	Zinc	mg/Kg	41.05	HECS-G/MS/507/042 Issue No: 01 Issue Date: 01.03.2021
5	Soil Texture		Clay loam	FAO of United Nations, Room Chapter- III 2008
6	Soil Texture (Sand)	%	32.6	FAO of United Nations, Room Chapter- III 2008
7	Soil Texture (Silt)	%	30.5	FAO of United Nations, Room Chapter- III 2008
8	Soil Texture (Clay)	%	36.9	FAO of United Nations, Room Chapter- III 2008
9	pH Value @ 25 ° C (1 ± 5)		7.34	IS 2720 (Part 3) 1987
10	Electrical conductivity @ 25 ° C (1 - 2)	µS/cm	2600	IS 15767: 2008



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TEST REPORT

Page: 2 of 2

Name of the Client : M/s. SIDPCVT

Address of the Client : Vellorethangar

Group : Pollution & Environment

Sample Name : Soil(AH)

Sample Mark : ToluKkappatti

Sample Reference : NA

Sample Origin By : M/s. Hubert Enviro Care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 / Humidity (%) : 50.0

Sampling Method & Plan : IS 15025:2013

U.R. : TC/23/10240000464560

Report No. : HECS/PE/2015/260924

Sample ID No. : 260924075

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method				
11	Bulk Density	g/cm ³	1.08	FAO of United Nations Rome 2002				
12	Organic Carbon	%	0.51	IS 2720 (Part 2) Section 1:1972				
13	Organic Matter	%	0.88	IS 2720 (Part 2) Section 1:1972				
14	Available Phosphorus	mg/100g	7.56	FAO of United Nations, Rome Chapter III 2006				
15	Boron in H	mg/kg	BLQ(LOQ 0.1)	HECS-GENV/SSW/SOP/011 Issue No. 01 Issue Date:07/07/2020				
16	Total Nitrogen in H	%	0.018	IS 14664 Class: 4 : 1999				
17	Exchangeable Calcium in Ca	mg/kg	14.28	FAO of United Nations, Rome Chapter III 2006				
18	Exchangeable Magnesium in Mg	mg/kg	10.54	FAO of United Nations, Rome Chapter III 2006				
19	Cation Exchange Capacity	mg/100g	2.6	IS 2720 (Part 2) Clause 5:1976				
20	Water Holding capacity	%	14.6	IS 14765: 2000				
21		Black	HECS-GENV/SSW/SOP/011 Issue No.01 Issue Date:07/07/2020	22	Phosphorus	ppm	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter
22	Phosphorus	ppm	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter				

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

End of Report



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 Lab Manager
 Authorized Signatory

TEST REPORT

Page: 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhunagar

Group : Pollution & Environment

Sample Name : Soil (A)

Sample Matl. : Talakkappatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA, 2013

Report No. : HECS/PE/015/260924/N

Sample ID No : 260924072

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	160.21	HECS-G/MS/SOP/042
2	Iron	mg/kg	BLQ(LOQ:100)	Titrimetric method
3	Infiltration Rate	cm/hr	2.2	Titrimetric method
4	Moisture	%	2.42	HECS-G/ENV/SSW/SOP/003 Issue No. (I) Issue Date:02/07/2020

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

End of Report

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Lab Manager
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TEST REPORT

Page: 1 of 2

Name of the Client : **M/s. SIPCOT**

Address of the Client : **Virodhinagar**

Group : **Pollution & Environment**

Sample Name : **Soil(Air)**

Sample Mark : **Nadavapatti**

Sample Reference : **NA**

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

Sample Location : **NA**

Environmental Condition : **Temperature (°C): 29.0 | Humidity (%): 50.0**

Sampling Method & Place : **ICARDA-2013**

ILR : **TC1231024000046457F**

Report No. : **HECS/PE/016/260924**

Sample ID No. : **260924073**

Sampling Date : **26/09/2024**

Received Date : **26/09/2024**

Commenced Date : **26/09/2024**

Completed On : **30/09/2024**

Report Date : **30/09/2024**

Sample quantity : **1 Kg**

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BEQ (1.09) (L1)	HECS-G/NS/509/002 Issue No.01 Issue Date:01.05.2021
2	Chromium	mg/Kg	11.80	HECS-G/NS/509/002 Issue No.01 Issue Date:01.05.2021
3	Copper	mg/Kg	5.14	HECS-G/NS/509/002 Issue No.01 Issue Date:01.05.2021
4	Zinc	mg/Kg	18.10	HECS-G/NS/509/002 Issue No.01 Issue Date:01.05.2021
5	Soil Texture	-	Loam	FAO of United Nations, Rome Chapter III 2008.
6	Soil Texture (Sand)	%	39.8	FAO of United Nations, Rome Chapter III 2008
7	Soil Texture (Silt)	%	42.1	FAO of United Nations, Rome Chapter III 2008
8	Soil Texture (Clay)	%	18.1	FAO of United Nations, Rome Chapter III 2008
9	pH Value @ 25 °C (1:2.5)	-	8.18	IS 2720 (Part 3) 1987
10	Electrical conductivity @ 25 °C (1:2.5)	µS/cm	272.0	IS 14763: 2000



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TEST REPORT

Page: 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Virudhanagar

Group : Pulp Mills & Environment

Sample Name : Soil(A1)

Sample Mark : Naduvampudi

Sample Reference : NA

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

Sample Location : NA

Environmental Conditions : Temperature (°C) : 29.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA/2013

U.R.N : TC1231024000046457F

Region No : HECS/SP/016/260924

Sample ID No : 260924073

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Continued Date : 26/09/2024

Completed On : 10/10/2024

Report Date : 10/10/2024

Sample quantity (g) : Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	g/cm ³	1.08	FAO of United Nations (Brom - 2001)
12	Organic Carbon	%	0.66	IS 2720 (Part 22) Section 1 (1977)
13	Organic Matter	%	1.14	IS 2720 (Part 22) Section 1 (1977)
14	Available Phosphorus	mg/100g	7.50	FAO of United Nations, Rome Chapter III 2008
15	Boron as B	mg/kg	BELOLD (0.1)	HECS-GENV/SSW/SO/S/018 Issue No. 01 Issue Date: 02/07/2020
16	Total Nitrogen as N	%	0.0165	IS 14864 Clause 4 (1999)
17	Exchangeable Calcium as Ca	mg/kg	13.97	FAO of United Nations, Rome Chapter III 2008
18	Exchangeable Magnesium as Mg	mg/kg	9.34	FAO of United Nations, Rome Chapter III 2008
19	Cation Exchange Capacity	cm ³ /100g	3.4	IS 2720 (Part 24) Clause 5 (1974)
20	Water Holding capacity	%	22.6	IS 14265 2008
21	Chloride	-	Not	HECS-GENV/SSW/SO/S/018 Issue No. 01 Issue Date: 02/07/2020
22	Phosphorus	ppm	BELOLD (0.50)	FAO of United Nations, Rome Chapter III 2008

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

End of Report



D. Ananya
Lab Manager
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(Handwritten Signature)

TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. SPECT	Report No.	: HECS/PE/016/200924/N
Address of the Client	: Virudhunagar	Sample ID No.	: 260924073
Group	: Pollution & Environment	Sampling Date	: 26/09/2024
Sample Name	: Soil(AI)	Received Date	: 26/09/2024
Sample Mark	: Naluvapatti	Commenced Date	: 26/09/2024
Sample Reference	: NA	Completed On	: 03/10/2024
Sample Given By	: M/s. Hubert Enviro care Systems (P) Ltd,	Report Date	: 03/10/2024
Sample Location	: NA	Sample quantity	: 1 Kg
Environmental Condition	: Temperature (°C) : 28.0 - Humidity (%) : 50.0		
Sampling Method & Plan	: ICARDA:2013		

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	99.41	HECS (10N/30P) 042
2	Iron	mg/kg	5.12	Inhouse method
3	Infiltration Base	cm/hr	6.3	Inhouse method
4	Moisture	%	2.12	HECS (10N/30SS)/ICARDA:2013 No. 01 Issue Date 01-07-2009

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligram per kilogram.
End of Report



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TEST REPORT

Page: 1 of 2

Name of the Client : Ms. SIPCOT

Address of the Client : Virudhanagar

Group : Pollution & Environment

Sample Name : Soil(AI)

Sample Maty : Chromakamangudi

Sample Reference : NA

Sample Given By : Ms. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 ; Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

U/LR : TC/12310240000464583

Report No : HECS/SP/2017/260924

Sample ID No : 260920076

Sampling Date : 26/09/2024

Received Date : 26/09/2024

Commenced Date : 26/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Calcium	mg/Kg	1142 (LOR: 0.1)	HECS-G/INS/SOP/047 Issue No: 01 Issue Date: 01.03.2021
2	Chromium	mg/Kg	16.44	HECS-G/INS/SOP/042 Issue No: 01 Issue Date: 01.03.2021
3	Copper	mg/Kg	4.92	HECS-G/INS/SOP/042 Issue No: 01 Issue Date: 01.03.2021
4	Zinc	µg/g	1274	HECS-G/INS/SOP/042 Issue No: 01 Issue Date: 01.03.2021
5	Soil Texture	-	Loam	FAO of United Nations, Home Chapter D3 2008
6	Soil Texture (Sand)	%	30.8	FAO of United Nations, Home Chapter D3 2008
7	Soil Texture (Silt)	%	43.5	FAO of United Nations, Home Chapter D3 2008
8	Soil Texture (Clay)	%	25.7	FAO of United Nations, Home Chapter D3 2008
9	pH Value @ 25 °C (1 : 2.5)	-	7.38	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 °C (1 : 2)	µS/cm	736.0	IS 15027: 2008



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TEST REPORT

Page - 1 of 2

Name of the Client : **MA, SIPECOT**

Address of the Client : **Virudhunagar**

Group : **Pollution & Environment**

Sample Name : **Soil (A1)**

Sample Mark : **Chinnakampanpatti**

Sample Reference : **NA**

Sample Discov. By : **MA, Hubert Enviro care Systems (P) Ltd.**

Sample Location : **NA**

Environmental Condition : **Temperature (°C) : 29.0 Humidity (%) : 50.0**

Sampling Method & Plan : **ICARDA:2013**

U.I.R : **TC 12310240000464501**

Report No : **HECS/SP/017/260924**

Sample ID No : **260924076**

Sampling Date : **26/09/2024**

Received Date : **26/09/2024**

Commenced Date : **26/09/2024**

Completed On : **10/10/2024**

Report Date : **10/10/2024**

Sample quantity : **1 Kg**

S.No.	Test Parameters	Units	Results	Test Method
01	High Density	g/cm ³	1.08	FAO of United Nations, Rome - 2007
02	Organic Carbon	%	0.34	IS 2720 (Part 23) Section 1 (1972)
03	Organic Matter	%	0.94	IS 2720 (Part 23) Section 1 (1972)
04	Available Potassium	mg/100g	2.34	FAO of United Nations, Rome Chapter III 2008
05	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-GP/SP/SSW/SO/0111 Issue No. 01 Issue Date: 02.07.2020
06	Total Nitrogen as N	%	0.0158	IS 14064 Clause 4 (1997)
07	Extractable Calcium as Ca	mg/g	17.20	FAO of United Nations, Rome Chapter III 2008
08	Extractable Magnesium as Mg	mg/g	9.32	FAO of United Nations, Rome Chapter III 2008
09	Cation Exchange Capacity	mg/100g	3.3	IS 2720 (Part 24) Clause 5 (1976)
20	Water Holding capacity	%	16.6	IS 14765, 2000
21	Colour	-	Red	HECS-GP/SP/SSW/SO/0111 Issue No. 01 Issue Date: 02.07.2020
22	Phosphorus	ppm	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter III 2008

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

End of Report



D. Anisya
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TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. SIPCOT	Report No.	: HECS/PE/017/260924/S
Address of the Client	: Virudhunagar	Sample ID No.	: 1260924076
Group	: Pollution & Environment	Sampling Date	: 26/09/2024
Sample Name	: Soil (All)	Received Date	: 26/09/2024
Sample Mark	: Chinnakannappatti	Commenced Date	: 26/09/2024
Sample Reference	: NA	Completed On	: 10/10/2024
Sample Taken By	: M/s Hubert Enviro Care Systems (P) Ltd.	Report Date	: 10/10/2024
Sample Location	: NA	Sample quantity	: 1 Kg.
Environmental Condition	: Temperature (°C): 29.0 Humidity (%): 50.0		
Sampling Method & Plan	: ICARDA-2013		

S.No.	Test Parameters	Units	Results	Test Method
Disposal : Chemical				
1	Manganese	mg/kg	109.6	HECS-G/HS/SOP/042
2	Iron	mg/kg	2.38	Inhouse method
3	Infiltration Rate	cm/hr	3.0	Inhouse method
4	Moisture	%	1.12	HECS-G/IRV/SSW/SOP/001 based No. 01 Issue Date: 02/07/2020

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



D. Anusuya
Lab Manager
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**TEST REPORT**

Page: 1 of 1

Name of the Client : **M/s. SIPCOT**

Address of the Client : **Vendhanagar**

Group : **Atmospheric Pollution**

Sample Name : **Ambient Noise Levels (Excluding vibration) (Kav)**

Sample Mark : **Noise**

Sample Reference : **NA**

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

Sample Location : **NA**

Environmental Condition : **Temperature (°C) : 32.0 | Humidity (%) : 56.0**

Sampling Method & Plan : **IS 9989:1981**

I/LR : **TC12310240000462582**

Report No. : **HECS/AP/028/260924**

Sample ID No : **260924052**

Sampling Date : **26/09/2024**

Received Date : **26/09/2024**

Commenced Date : **26/09/2024**

Completed On : **30/09/2024**

Report Date : **30/09/2024**

Sample quantity : **NA**

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Near Project Site (Ramarajalingapuram)	53.1	43.8
2	Mettamala	53.8	43.0
3	Tutukkappali	52.6	43.6
4	Nadasigudi	52.7	42.3
5	Chinnakampanpet	51.5	42.0

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



D. Ananya
Lab Manager
Authorized Signatory

010809

Annexure-5

TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD

From
Er.R.Jaganathan, M.E.,
Executive Engineer,
TWAD Board,
Project Formulation Division,
Tirunelveli.

To
The Superintending Engineer,
SIPCOT,
19-A, Rukmani Lakshmi Pathy Road,
Egmore,
Post Box No.7223,
Chennai - 600 008.



Lr.No. 0505 / F. SIPCOT VNR / JDO 2/2022/dt: 05.05.2022

Sir,

Sub: Providing 2.50 MLD water supply to SIPCOT Industrial Park at Virudhunagar - Prefeasibility report along with rough cost Estimate - consent requested and online registration in TWAD web portal requested for 5.00 MLD TTRO water to SIPCOT, Virudhunagar - Regarding.

- Ref:
1. Managing Director , SIPCOT,Chennai,
Lr.No. CW/IWC/VNR/WSY/2021 / dt.30.07.2021 addressed to the Managing Director, TWAD Board, Chennai.
 2. Managing Director , SIPCOT,Chennai,
Lr.No. CW/IWC/VNR/WSY/2021 / dt.16.09.2021 addressed to the Managing Director, TWAD Board, Chennai.
 3. Managing Director , TWAD Board, Chennai,
Lr.No. F. Virudhunagar /AE8 /PDC/2021 / dt.04.10.2021 addressed to the Chief Engineer, TWAD Board , Madurai.
 4. Chief Engineer , TWAD Board, Madurai,
Lr. No. 4556/ F. EDB/AE2(D) /2020 / dt. 01.11.2021.
 5. Chief Engineer , TWAD Board, Madurai,
Lr. No.5503/ F. EDB/AE2(D) /2020 / dt. 27.12.2021.
 6. TWAD Board Application No. 20210045/dt.23.08.2021.
 7. This office Letter No.873/F.SIPCOT VNR / JDO 2/2021/dt: 07.01.2022.
8. This office Letter No. 27022 / F. SIPCOT VNR / JDO 2/2021/dt: 27.01.2022

I wish to inform that TWAD Board has prepared the prefeasibility report with rough cost estimate for providing water supply to SIPCOT Industrial park at E.Kumaralingapuram village in Virudhunagar District based on the request from SIPCOT vide reference 1st and 2nd cited.

The proposal in brief is as follows:

- > It is proposed to include in the fresh water requirement of 2.50 MLD water supply to SIPCOT in the new CWSS namely, Combined Water Supply Scheme to 1076 habitations in Virudhunagar and Thoothukudi Districts which is under investigation, since there is no surface / sub- surface sustainable source is available in Virudhunagar District.

EE(S)

Pl. put up

- Urgent -

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CP-2

579

- In the proposed CWSS, the surface raw water collected from river Tamirabarani near Seevalaperi in Tirunelveli District will be treated in Water Treatment Plant and will be distributed to the beneficiaries.
- SIPCOT Industrial park is located about 89 km from the raw water source. The required quantity for SIPCOT Industrial park can be tapped at 1 km after Naduvapatti village and its rough cost estimate including proportionate cost of common components is Rs. 31.33 crore.

In this regard, it is requested to give consent on the following " Terms and Conditions" of TWAD Board.

1. To take up detailed investigation, preparation of DPR & Implementation as 100 % deposit work by TWAD Board and also to maintain the scheme after completion by TWAD Board.
2. To bear the investigation charges as per B.P.(Ms) No.20 TWAD (PDC) Wing dated 30.03.2022, and to remit the " upfront deposit amount " is 12.00 lakhs.

// Extract//

Sl.No	Category	Investigation Charges	
		Upfront Deposit Amount	To be collected finally after DPR preparation
1	100 % Deposit work: GOI/State Government Organizations and Undertakings.	For Water Supply Demand of up to 1 MLD - Rs 10.00 lakh. For every additional demand of 1 MLD or part thereof - Rs 1.00 lakh to be additionally collected.	Upfront Deposit Amount (or) 3 % of DPR cost whichever is higher.

3. To remit the project cost in one lump sum , on receipt of intimation from TWAD Board.
4. To bear excess project cost if any, arising during actual implementation, on receipt of intimation from TWAD Board.
5. To pay water charges as per B.P.Ms.No.88 dated 08.11.2017,(which is applicable now and subject to revision from time to time).

6. To enter up on MoU with TWAD Board on finalization of DPR.
7. To obtain permission for source clearance and other departments if necessary.

Hence, I request you to give the above consent for providing 2.50 MLD water supply to SIPCOT Industrial park at Virudhunagar and to direct the concerned officials to register the request for 5.00 MLD of TTRQ water ,through online web portal (<https://www.twadeodb.in>) at the earliest,so as to enable TWAD Board to proceed further.

End: Bank details

J. Rajaraj 05/05/2022
Executive Engineer, TWAD Board
P.F.Division, Tirunelveli.
2/5/22



ICICI Bank Advice Receipt
5/24/22 3:38 PM

Transaction Details

Account Number: 321901001423

Transaction Date: 23-05-2022 00:00:00

Transaction Amount: INR 12,00,000.00

Debit/Credit: Debit

Cheque Number: -NIL-

**Transaction Description: INF/NEFT/027706182061/C
NRB0001114/ExecutiveEn
gine**

Transactio ID: S84016951

Transaction Remarks: -

Transaction Balance: INR/8,3208597174E8

**Note: This is an electronically generated receipt and
does not need any signature.**

SIPCOT – VIRUDHUNAGAR
MONITORING PHOTOGRAPHS

AMBIENT AIR QUALITY MONITORING PHOTOS:

NEAR PROJECT AREA (KUMARALINGAPURAM)



TULUKKAPPATTI



NADUVAPATTI



METTAMALAI



CHINNAKAMANPATTI



GROUND WATER SAMPLING PHOTOS

NEAR PROJECT AREA



TULUKKAPPATTI



NADUVAPATTI



NOISE SAMPLING PHOTOGRAPH

NEAR PROJECT AREA



Chinnakamanpatti



METTAMALAI



TULUKKAPPATTI



NADUVAPATTI



SOIL MONTORING PHOTOGRAPH

NEAR PROJECT AREA



Chinnakamanpatti



METTAMALAI



TULUKKAPPATTI



NADUVAPATTI



SURFACE WATER SAMPLING PHOTOGRAPH

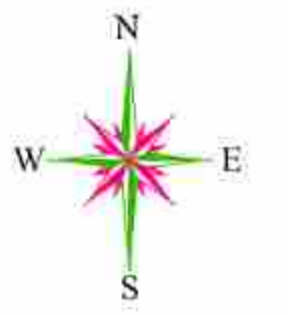
POND NEAR KUMARALINGAPURAM,



NEAR MUTTULINGAPURAM, LAKE



TENTATIVE LAYOUT PLAN FOR SIPCOT INDUSTRIAL PARK AT
E.KUMARALINGAPURAN, MUTHULINGAPURAM AND THULUKKAPATTI VILLAGES, VIRUDHUAGAR dt.



Water body	Length in m.	Width in m.	Area in Ha.	Classification
WB-1	116.0	11.0	0.14	Odai
WB-2	664.0	16.0	1.31	Odai
WB-3	1070.0	45.0	4.445	Odai
WB-4	783.4	20.3	1.36	Odai
WB-5	478.8	7.4	0.18	Odai
WB-6	671.8	8.4	0.515	Odai
WB-7	176.2	11.1	0.11	Odai
WB-8	313.1	8.3	0.24	Odai
WB-9	368.8	7.8	0.24	Odai
WB-10	1698.0	30.0	2.43	Odai
WB-11	1692.6	15.0	2.36	Odai
WB-12	520.0	15.8	0.555	Odai
WB-13	210.0	8.0	0.22	Odai
WB-14	108.0	11.0	0.135	Odai
WB-15	152.6	70.3	0.835	Oorani
			15.075	

PLOT NO.	AREA IN ACRES.	PLOT NO.	AREA IN ACRES.	PLOT NO.	AREA IN ACRES.	PLOT NO.	AREA IN ACRES.
1	3.55	51	3.12	101	3.13	151	2.50
2	3.92	52	6.83	102	2.85	152	2.50
3	2.66	53	3.62	103	3.99	153	2.50
4	3.30	54	3.22	104	2.92	154	2.50
5	4.08	55	2.95	105	2.37	155	3.09
6	3.73	56	2.20	106	2.50	156	2.45
7	2.45	57	1.85	107	2.28	157	1.32
8	3.98	58	4.04	108	2.50	158	3.63
9	3.89	59	2.79	109	3.40	159	2.50
10	1.81	60	3.81	110	2.90	160	2.53
11	2.00	61	3.64	111	2.50	161	2.50
12	2.00	62	2.57	112	2.50	162	2.50
13	2.00	63	3.07	113	3.68	163	2.50
14	2.00	64	2.53	114	3.09	164	2.50
15	1.94	65	2.17	115	2.51	165	1.71
16	3.00	66	2.00	116	3.98	166	1.54
17	3.37	67	2.21	117	2.50	167	2.14
18	2.00	68	2.20	118	2.50	168	3.61
19	2.00	69	1.82	119	2.50	169	3.64
20	2.00	70	1.67	120	2.50	170	3.14
21	2.00	71	2.78	121	2.50	171	3.57
22	2.00	72	2.16	122	2.50	172	3.96
23	3.87	73	1.80	123	2.50	173	2.91
24	3.98	74	1.75	124	2.50	174	3.13
25	2.84	75	1.89	125	2.50	175	2.23
26	2.70	76	3.75	126	10.00	176	4.92
27	2.39	77	3.64	127	10.00	177	4.14
28	1.83	78	5.07	128	10.00	178	3.57
29	2.50	79	2.74	129	10.00	179	2.50
30	2.50	80	2.60	130	10.00	180	2.67
31	2.50	81	2.16	131	10.00	181	2.50
32	2.20	82	2.51	132	10.00	182	2.50
33	3.82	83	3.75	133	10.00	183	2.50
34	3.14	84	2.50	134	10.00	184	2.50
35	2.00	85	2.50	135	10.00	185	2.50
36	1.89	86	2.50	136	10.00	186	2.50
37	1.90	87	2.50	137	2.50	187	2.50
38	1.91	88	1.21	138	2.50	188	4.17
39	2.16	89	3.09	139	2.50	189	2.38
40	1.63	90	2.50	140	2.50	190	1.24
41	1.97	91	2.50	141	2.50	191	2.38
42	3.16	92	2.50	142	3.14	192	10.00
43	3.60	93	2.50	143	3.18	193	10.00
44	2.89	94	2.50	144	2.50	194	10.00
45	3.18	95	2.50	145	2.50	195	10.00
46	2.59	96	3.98	146	2.50	196	10.00
47	2.13	97	1.62	147	2.50	197	2.50
48	2.00	98	2.38	148	2.50	198	2.50
49	2.50	99	2.35	149	4.74	199	2.50
50	2.50	100	2.78	150	2.12	200	2.50

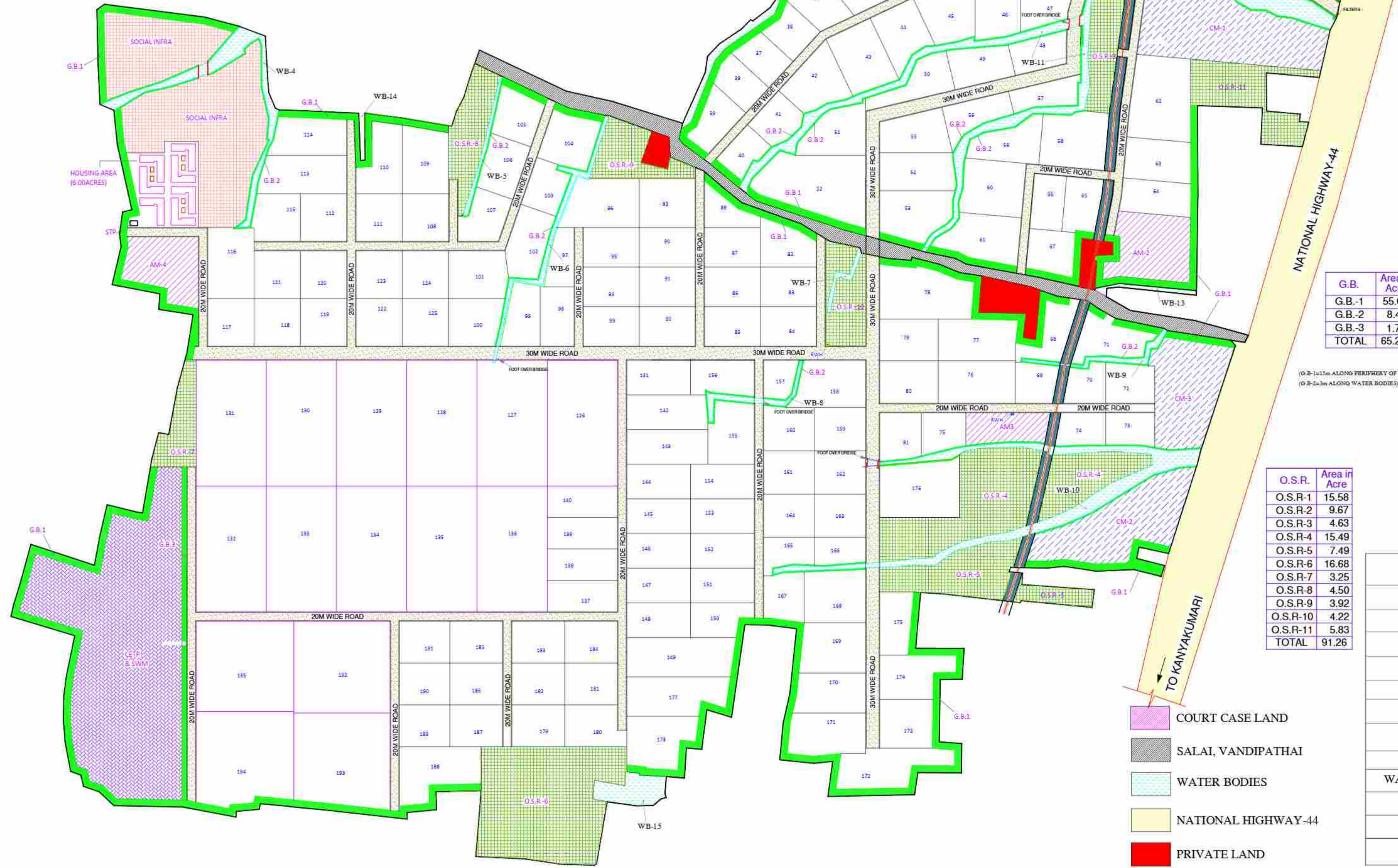
ROAD	LENGTH
30m WIDE ROAD	4.139 Km
20m WIDE ROAD	10.390 Km

G.B.		AMENITIES		COMMERCIAL		SOCIAL INFRA		CETP & SOLID WASTE	
G.B.-1	Area in Acre	AM1	Area in Acre	CM-1	Area in Acre	SI-1	Area in Acre	CETP	Area in Acre
G.B.-2	8.42	AM2	5.61	CM-2	12.97	SI-2	22.07	CETP	31.62
G.B.-3	1.76	AM3	2.77	CM-3	07.76	TOTAL	30.00	SWM	5.00
TOTAL	65.27	AM4	4.71	TOTAL	29.89	TOTAL	30.00	TOTAL	36.62

O.S.R. AREA	Area in Acres	Area in Hectares	%
O.S.R. AREA	91.26	36.947	9.18%
GREEN BELT AREA	65.27	26.424	6.56%
33% GREEN BELT IN PLOT AREA	211.08	85.457	21.23%
TOTAL	367.61	148.828	36.97% of Developable Area

O.S.R.	Area in Acre
O.S.R-1	15.58
O.S.R-2	9.67
O.S.R-3	4.63
O.S.R-4	15.49
O.S.R-5	7.49
O.S.R-6	16.68
O.S.R-7	3.25
O.S.R-8	4.50
O.S.R-9	3.92
O.S.R-10	4.22
O.S.R-11	5.83
TOTAL	91.26

PLOT AREA	Area in		% of total Area
	Hectares	Acres	
(33% GREEN BELT 211.08 Ac INCLUDED)	258.968	639.65	64.33%
COMMON AMENITIES (ie. Project Office, Water supply, EB, Parking etc.)	8.069	19.93	2.00%
COMMERCIAL ACTIVITIES (ie. Bank, ATM, Shops, Canteen etc.)	12.101	29.89	3.00%
SOCIAL INFRASTRUCTURE (ie. Medical dispensary, Housing, Fire station etc.)	12.145	30.00	3.02%
CETP & SOLID WASTE MANAGEMENT	14.825	36.62	3.69%
ROAD, STORM WATER DRAIN	33.101	81.76	8.22%
10% of Developable area excluding road area (994.29-51.76 = 912.62 X 10% = 91.26 Acres)	36.947	91.26	9.18%
GREEN BELT	26.424	65.27	6.56%
DEVELOPABLE AREA	402.580	994.38	100.00%
WATER BODY AS PER REVENUE RECORD	15.075	37.23	
110KV H.T. LINE AREA (NON DEVELOPABLE) H.T.LINE WIDTH = 5.40m RoW = 22.0m	4.09	10.09	
VANDIPATHAI AND ROAD	3.805	9.40	
TOTAL AREA	425.55	1051.10	



- COURT CASE LAND
- SALAI, VANDIPATHAI
- WATER BODIES
- NATIONAL HIGHWAY-44
- PRIVATE LAND

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.

State Industries Promotion Corporation of Tamil Nadu Limited

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

Project Office: SIPCOT INDUSTRIAL PARK, KUMARALINGAPURAM

Sattur, Virudhunagar District, Tamil Nadu, 626 203

E-Mail: uoyim@sipcot.in

Head Office: 65-A, Rukmani Lalshmiipathy Road, Egmore, Chennai- 600 008.

Phone: 044-27706, Website: www.sipcot.in (GST Reg No: 33AAC54631125)

P-III/EC/1/15743/2024

Date: 10-05-2024

To,
The Block Development Officer,
Virudhunagar Union,
Virudhunagar.

Sir,

Sub: SIPCOT – Development of Industrial Park at E.Kumaralingapuram, E.Muthulingapuram and Thulukapatti Villages, Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu – Submission of Copy of Environmental Clearance (EC) issued by SEIAA – Reg.

Ref: EC Letter No. SEIAA-TN/F.No.9262/2023 EC/8(a)/951/2023 dated 11.07.2023

With reference to the above, we have obtained Environmental Clearance (EC) from the State Environment Impact Assessment Authority (SEIAA) for the proposed Development of Industrial Park at E.Kumaralingapuram, E.Muthulingapuram and Thulukapatti Villages, Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu over an extent of 425.55 Hectares (1051.10 Acres). The copy of EC has been enclosed here with for your kind perusal.

Yours faithfully,



PROJECT OFFICER,
SIP, VIRUDHUNAGAR

Encl: As above.

சென்னை
பிரிவு

சென்னை
14/5/24
5068(87)



State Industries Promotion Corporation of Tamil Nadu Limited
 (A GOVERNMENT OF TAMIL NADU UNDERTAKING)
 Project Office - SIPCOT INDUSTRIAL PARK, KUMARALINGAPURAM
 Sattur, Virudhunagar District, Tamil Nadu, 626 203
 E-Mail - info@sipcot.in

Selfless Service
To Industries

Regional Office: 19-A, Hukerani Lawlingapathy Road, Tambore, Chennai - 600 009
 Phone: 41-3117777 to 41-3117779 Fax: 41-3117778
 Website: www.sipcot.in Toll Free: 1800-121-1273

P-III/EC/M/15743/2024

Date: 10-05-2024

To,
The President,
E.Kumaralingapuram Panchayat
E.Kumaralingapuram.

Sr,

Sub: SIPCOT - Development of Industrial Park at E.Kumaralingapuram, E.Muthulingapuram and Thulukapatti Villages, Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu - Submission of Copy of Environmental Clearance (EC) issued by SEIAA - Reg-

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Yours faithfully,

[Handwritten Signature]
10/05/24

PROJECT OFFICER,
SIPCOT, VIRUDHUNAGA

Received
P. Sh.
Sh. Vinay
E. Kumaralingapuram Panchayat





State Industries Promotion Corporation of Tamil Nadu Limited
 (A GOVERNMENT OF TAMILNADU UNDERTAKING)
 Project Office: SIPCOT INDUSTRIAL PARK, KUMAPALINGAPURAM
 Sattur, Virudhunagar District, Tamil Nadu. 626 203
 E-Mail: suvm@sipcot.in

Selfless Service
To Industries

Regd Office: 19-A Rajmansi Lakshmi Pathy Road, Egmore, Chennai - 600 009

P-III/EC/I/15743/2024

Date: 10-05-2024

To,
The President,
E.Muthulingapuram Panchayat,
E.Muthulingapuram.

Sir,

Sub: SIPCOT - Development of Industrial Park at E.Kumaraingapuram, E.Muthulingapuram and Thulukapatti Villages, Sattur & Virudhunagar Taluk, Virudhunagar District, Tamil Nadu - Submission of Copy of Environmental Clearance (EC) issued by SEIAA - Reg.

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Handwritten signature in Tamil
 சமரச்
 சிப்கொட் கட்டுமானப் பணிகளின்
 தலைவர்

Yours faithfully,
Handwritten signature
 PROJECT OFFICER,
 SIPCOT, VIRUDHUNAGAR.