HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of April 2024 to September 2024

For

"Proposed Development of SIPCOT Industrial Park at Thappukundu, Poomalaikundu and Upparpatti villages of Theni Taluk, Theni District, Tamil Nadu

EC obtained vide Letter No. SEIAA – TN/F.No.8344/EC /8(b)/866/2022 dated: 25.08.2022

Submitted by



M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD 19/A, Rukmani Lakshmipathy Road,

Egmore, Chennai-600008.



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

November 2024

TABLE OF CONTENTS

S.No		List of Contents	Page No
1.	Project details		3
2.	Loca	ation map	4
3.	Site	photograph	5
4.	Six 1	monthly environmental clearance statement	8
5.	Envi	ronmental Monitoring Details	36
	5.1	Ambient air quality monitoring	36
5.2		Ambient noise level monitoring	36
5.3		Soil Quality monitoring	36
5.4		Ground water monitoring	36
5.5		Surface water monitoring	36
6.	Con	clusion	37

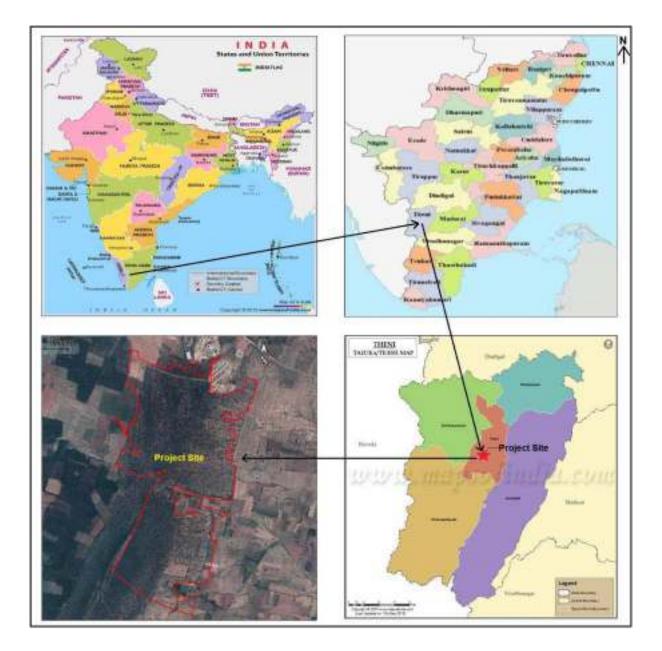
LIST OF ANNEXURE

S. No	List of Contents
Annexure 1	Environmental Clearance copy
Annexure 2	Consent to Establish obtained from TNPCB
Annexure 3	Environment Management Cell
Annexure 4	Environment monitoring report
Annexure 5	Newspaper Advertisement copy
Annexure 6	Acknowledgement from Local Bodies for submission of EC
Annexure 7	Screenshot of EC copy uploaded in the website
Annexure 8	TWAD Water supply letter
Annexure 9	Environment monitoring photos
Annexure 10	Form V Acknowledgement copy
Annexure 11	Screenshot of EC compliance report and Environmental
	Statement uploaded in the website
Annexure 12	Intimation Letter to Forest Department regarding CER Fund Utilization

1.0 PROJECT DETAILS

Name of the Project	"Development of Industrial Park"	
Name of the	M/s. State Industries Promotion Corporation of	
Proponent	Tamil Nadu Limited (SIPCOT)	
Location	Thappukundu, Poomalaikundu, Upparpatti Villages, Theni Taluk, Theni District, Tamil Nadu	
	EC22B039TN138224 dated 21.09.2022	
EC. No	SEIAA Letter No. SEIAA-	
EC. NO	TN/F.No/8344/EC/8(b)/866/2022 dt.25.08.2022 (EC	
	copy enclosed as Annexure 1)	
Total Extent	189.39 Hectares (467.97 acres)	
	Fresh water: 2576 KLD	
Water	Recycled water: 1642 KLD	
	Total water requirement: 4218 KLD	
Requirements	Source: Fresh water -TWAD Board (Mullaiperiyar	
	River) (TWAD Water supply letter is enclosed as	
	Annexure 8)	
Project Cost	Rs.469.18 Crores	
Power Requirement	21 MVA from TANGEDCO	

2.0 LOCATION MAP



3.0 SITE PHOTOGRAPH











4.0 SIX MONTHLY ENVIRONMENTAL CLEARANCE

COMPLIANCE STATEMENT

SEAC Specific Condition:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	The water body such as odai present in the	Condition will be complied. Water
1.	proposed site shall be maintained properly.	bodies shall be maintained as is where
2.	The Project proponent shall obtain the	Condition complied. Government of
	necessary permission from the competent Authority	Tamil Nadu vide G.O. (Ms) No. 157
	for utilization of OSR area for green belt	dated 28.08.2017 has permitted
	development before applying CTO from TNPCB.	SIPCOT to use OSR.
3.	The Project proponent shall obtain the	Condition will be complied.
	necessary permission from the competent Authority	-
	for the drawl of water from Mullai Periyar River	
	before applying CTO from TNPCB.	
4.	The Proponent shall ensure that no schedule A & B	Condition will be complied.
	industries as per EIA Notification 2006, shall be	
	allowed in the industrial Park as committed.	
5.	Individual industries shall be advised to retain the	Condition will be complied.
	trees if possible. In case of removal of trees, the	
	industries shall be required to plant 10 trees for every	
	tree that is cut.	
	The project proponent shall ensure that the individual	All the member units will be
6.	industries to be housed in the SIPCOT to	instructed to adopt Zero Liquid
	achieve ZLD.	Discharge system and the treated
		water to be reused for their process
		and utilities.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
7.	The height of the stacks of DG sets shall be provided as per the CPCB norms.	Condition noted. All the member units will be instructed to comply with.
8.	The project proponent shall allot necessary area for the collection of E waste and strictly follow the E- Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.	to follow all necessary rules and
9.	The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.	
10.	The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,	Overall greenbelt of minimum 33% will be provided with native

S.NO	CONDITIONS	STATUS OF COMPLIANCE
11.	The project proponent shall provide entry and exit points for the OSR area as per the norms for the pubic usage and as committed.	Condition noted.
12.	The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.	Condition will be complied.
13.	The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Trans boundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.	All the member units will be instructed to follow necessary rules and guidelines.
	No waste of any type to be disposed of in any other way other than the approved one.	Condition noted. All the member units will be instructed to follow necessary rules and guidelines.
15.	The Proponent shall ensure that all the units provide dispenser for the disposal of sanitary napkins.	Condition will be complied.
16.	All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	
17.	The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.	Condition will be complied.
18.	The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health	Condition noted.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	of construction workers during COVID and post – COVID period.	
19.	Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.	
20.	As per the MoEF & CC Office Memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP.	
21.	As accepted, the PP shall remit Rs 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni, to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.	Transferred to Deputy Director, Megamalai Division is enclosed as

SEIAA Additional conditions:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project proponent shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies within the proposed site in concurrence with the competent authority before obtaining consent from TNPCB.	
	The project proponent shall obtain necessary permission for water bodies within/around the proposed site from the Competent Authority before obtaining CTE from TNPCB.	issued Administrative Sanction for

S.NO	CONDITIONS	STATUS OF COMPLIANCE
3.	The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.	Condition noted.
4.	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.	have ETP with ZLD for treatment of wastewater and to reuse the treated water as per the norms.
5.	The project proponent shall ensure that Non - EIA attracting Industries to be in-housed shall treat the Sewage generated by providing adequate individual STP and shall reuse the treated sewage for the toilet flushing & green belt/gardening as committed.	member units will be instructed to have their own STP/ETP for
6.	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, 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, Waste Management Rules, 2016, 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, Construction and Demolition Waste Management Rules, 2016, Waste Management Attraction Waste Management Attraction Attraction Rules, 2016, Waste Management Attraction A	instructed to follow necessary rules
7.	The project proponent shall ensure that non-EIA attracting Industries to be in-housed shall provide elevated STP/ETP of adequate capacity	All the member units will be instructed to comply with all applicable rules and guidelines.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	& 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	
8.	site. The project proponent and the industries shall provide 33% green belt area excluding the OSR area.	Condition will be complied. Overall 33% of greenbelt will be developed as committed.
9.	Forest department should be consulted during plantation and cutting of trees.	Condition will be complied.
10.	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 have their own STP/ETP for treatment of wastewater and to reuse the treated water as per the norms.
11.	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.	member units will be instructed to
12.	The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.	Condition will be complied.
13.	The project proponent shall obtain necessary permission for disposal of excess storm water from the competent authority before obtaining CTO.	-
14.	The project proponent shall ensure that industries to be 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	All the member industries will be mandated to have their own STP/ETP for treatment of wastewater and to reuse the treated water as per the norms.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	standards prescribed by the CPCB at all times.	
15.	The proponent & the Industries to be in-house shall	Condition noted. All the member
	periodically conduct and submit fire safety study,	units will be instructed to follow
	emergency evacuation plan, risk assessment study,	applicable rules and guidelines.
	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.	
16.	The project proponent & the Industries to be in-	
	housed shall ensure buildings constructed are energy	
	efficient and conform to the green building norms.	applicable rules and guidelines.
17.	The project proponent shall ensure Industries to be	Truck parking facility will be
	in-housed shall adhere to provide adequate parking	provided within the Industrial Park.
	space for visitors of all inmates including clean	Individual industries will provide
	traffic plan as committed.	parking facility within their plot.
18.	The project proponent shall adhere to the	Condition noted.
	approval obtained for the source of fresh water	
	supply from the competent Authority.	
19.	The proponent & the Industries to be in-housed shall	Condition will be complied. All the
	strictly adhere to all bio safety standards, hygienic	member units will be instructed to
	standards and safety norms of working staff and	follow the applicable rules and
	patients to be strictly from time to time as guidance	guidelines.
	of competent authority.	

S.NO	CONDITIONS	STATUS OF COMPLIANCE
20.	The proponent & the Industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.	Condition will be complied. All the member units will be instructed to follow the applicable rules and guidelines.
21.	The proponent & the Industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.	-
22.	The activities should in no way cause emission and build-up Green House Gases. All actions to be eco friendly and support sustainable management of the natural resources within and outside the campus premises.	instructed to follow applicable
23.	The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
24.	The 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.
25.	The 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.
26.	The 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.	
27.	All the Buildings shall be energy efficient and confirm to the green building norms.	All the member units will be instructed to follow applicable rules and guidelines.
28.	The proponent & the Industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb	Condition noted. All the member units will be instructed to follow the applicable rules and

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	under any circumstances.	guidelines.
29.	The 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.
30.	The 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.	to follow the applicable rules and
31.	The 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.	instructed to follow the applicable
32.	The 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.	_
33.	The proponent & the Industries to be in-housed shall ensure to provide the emergency exit in the buildings.	All the member units will be instructed to follow the applicable rules and guidelines.
34.	The proponent & the Industries to be in-house shall ensure to provide elevator as per rules CMDA/DTCP.	Condition will be complied.All the member units will beinstructed to follow theapplicablerulesand
35.	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.	All the member units will be
36.	The proponent & the Industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.	

S.NO	CONDITIONS	STATUS OF COMPLIANCE
37.	The project proponent & the Industries to be in-	Condition noted. Storm water drains
	housed shall adhere to storm water	will be provided all along the internal
	management plan as committed.	road.

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

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	Any appeal against this Environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. 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.	be carried out as per the layout
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	All the member units will be instructed to obtain all necessary statutory clearances and approvals.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	other authorities as applicable to the project shall be	Consent to Establish obtained fron
	obtained by project proponent from the concerned	TNPCB and the copy of CTE is
	competent authorities.	attached as Annexure-2.
5.	The SEIAA reserves the right to add additional	Condition noted.
	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	Condition noted.
	conditions of Environmental Clearance shall be	
	maintained and made available at all the times.	
7.	The environmental statement for each financial year	Condition complied.
7.	ending 31st March in Form-V as is mandated to be	Form V Acknowledgement copy i
	submitted by the project proponent to the concerned	
	State Pollution Control Board as prescribed under the	The screenshot of EC compliance
	Environment (Protection) Rules, 1986, as amended	report uploaded in the company
	subsequently, shall also be put on the website of the	website is attached as Annexure
	company. The status of compliance of environmental	-11.
	clearance conditions and shall also be sent to	
	the Regional Office of the Ministry of Environment	
	and Forests, Chennai by e-mail.	
		-
8.	The Regional Office of the Ministry located at	Condition noted.
	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 /	
0	monitoring reports.	Conditions are l'ed
9.	"Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Poord and a	*
	the Tamil Nadu Pollution Control Board and a	Consent to Establish obtained
	copy shall be submitted to the SEIAA,	from TNPCB and the copy of

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	Tamil Nadu.	CTE is attached as Annexure-2 .
10.	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.	
11.	The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments ,draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957,National Commission for protection of Child Right Rules,2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.	applicable conditions specified in the EC.
12.	The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.	Condition noted.
13.	Failure to comply with any of the condition mentioned above may result in withdrawal of this clearance and attract action under the provision of the Environment (Protection) Act, 1986.	applicable conditions specified in the
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.	Condition will be complied.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	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; PM_{10} , $PM_{2.5}$,	
	SO_2 , NO_x (ambient levels as well as stack	
	emissions) or critical sectoral parameters, indicated	
	for the project shall be monitored.	
5.	The SEIAA, TN may cancel the Environmental	Condition noted.
	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.	
6.	The Environmental Clearance does not imply that	Condition noted.
	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.	
7.	The SEIAA, TN may alter/modify the above	Condition noted.
	condition in the interest of environmental	
	protection, even during the subsequent period.	
8.	The Environmental Clearance does not absolve the	Condition noted.
	applicant/ proponent of his obligation/ requirement to	
	obtain other statutory and administration clearances	
	from other statutory and administrative authorities.	

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	plantation in the ratio of 1:10 (planting of 10 trees for every one tree that is cut) should be done with the obligation to continuous maintenance.	
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.	Separate environmental managemer
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 23.	The Project proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported. The project activity should not cause any	Condition noted.
	disturbance & deterioration of the local bio diversity.	
24.	The project activity should not Impact the water bodies. A detailed inventory of the water bodies forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.	Surface water quality monitoring

S.NO	CONDITIONS	STATUS OF COMPLIANCE
25.	All the assessed flora & fauna should be	Condition noted.
	conserved and protected.	
26.	The proponent should strictly comply with.	Condition will be complied. All the
	Tamil Nadu Government Order (Ms)No.84	member units will be instructed to
	Environment and forests(EC.2) Department dated	follow applicable rules and guidelines.
	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	Condition will be complied.
	competent authority for the drawl	
	/outsourcing of fresh water before obtaining	
	consent from TNPCB.	
28.	The proponent shall appoint an Environmental	STP is not proposed by SIPCOT.
	Engineer with necessary qualification for the	Individual industries will comply with
	operation and maintenance of STP (Sewage	
	Treatment Plant) and GWTP (grey water Treatment	
	plant).	
29.	The Proponent shall provide the dispenser for the	Condition will be complied.
	disposal of Sanitary Napkins.	
30.	All the mitigation measures committed by the	Condition noted.
	proponent for the flood management, Solid waste	
	disposal, Sewage treatment & disposal etc., shall be	
	followed strictly.	
31.	No waste of any type to be displayed of in any	Condition noted.
	watercourse including drains, canals and the	All the member units will be
	surrounding environment.	instructed to comply with.
32.	Traffic congestion near the entry and exist	Condition noted.
	points from the roads adjoining the proposed	
	project site must be avoided.	
33.	The safety measures proposed in the report	Condition noted.
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Part- B – Specific Conditions – Pre Construction Phase:
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S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that copy of the clearance letter is available with the state pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.	Condition complied. Newspaper advertisement copy is enclosed as Annexure - 5.
	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 complied. Acknowledgement copy from local bodies for submission of clearance letter is enclosed as Annexure – 6. The Screen shot of EC copy uploaded in the website is attached as Annexure – 7.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
4.	The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc before commencement of the work.	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 building should be in conformity with the Seismic Zone Classifications.	Condition will be complied . All the member units will be instructed to follow applicable rules and guidelines.
7.	The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.	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.	•
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	Condition is not applicable. Proposed

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	parking exclusively for the visiting guest in	project is development of Industrial Park.
	the proposed residential apartments as per	
	CMDA norms.	
12.	The project proponent shall ensure the	Condition noted and will be complied. Al
	entry of basement shall be above	the member units will be instructed to
	maximum flood level.	comply with.
13.	The proponent shall prepare completion	Condition as applicable will be complied.
	plans showing Separate pipelines marked	
	with different colours with the following	
	details	
	1. Location of STP, compost system,	
	underground sewer line	
	2. Pipe Line conveying the treated effluent	
	for green belt development	
	3. Pipe Line conveying the treated	
	effluent for toilet flushing	
	4. Water supply pipeline	
	5. Gas supply pipe line, if proposed	
	6. Telephone cable	
	7. Power cable	
	8. Strom water drains, and	
	9. Rain water harvesting	
	system, etc., and it shall be	
	made available to the owners.	
14.	A First Aid Room shall be provided in	Condition will be complied. Member units
	the project site during the entire construction	shall comply with.
	and operation phases of the project.	
15.	The present land use surrounding the	Condition will be complied.
	project site shall not be disturbed at any	
	point of time.	
16.	The green belt area shall be planted	Condition will be complied.
	With indigenous native trees.	Greenbelt will be developed with
		indigenous native species.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
17.	Natural vegetation listed particularly the	Condition noted.
	trees shall not be removed during the	
	construction/operation phase. In case any	
	trees are likely to be disturbed, shall be	
	Replanted.	
18.	During the construction and operation	Condition will be complied.
	phase, there should be no disturbance to	
	the aquatic eco-system within and outside	
	the area.	
19.	The Provisions of Forest conservation Act	Condition noted.
	1980, Wild Life Protection Act 1972 & Bio	
	diversity Act 2002 should not be violated.	
20.	There should be Fire fighting plan and all	Condition will be complied. All the membe
	required safety plan.	units will be instructed to comply with.
21.	Regular fire drills should be held to create	All the member units will comply with.
	awareness among owners/ residents.	

Part- C – Specific Condition – Construction phase:

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

	ii) Personnel working In dusty areas	Condition noted. All the member units will be
	should wear protective respiratory devices	instructed to follow applicable rules and
	and they should also be provided with	guidelines.
	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	Condition noted. All the member units will be
	workers engaged in the project shall be	instructed to comply with.
	carried out and maintained. For the purpose,	
	schedule of health examination of the	
	workers should be drawn and followed	
	accordingly. The workers shall be provided	
	with personnel protective measures such as	
	masks, gloves, boots, etc.	
3.	Water Supply:	
3.	Water Supply: i) The entire water requirement during	Condition will be complied.
3.		Condition will be complied.
3.	i) The entire water requirement during	Condition will be complied.
3.	i) The entire water requirement during construction phase may be met from	Condition will be complied. Condition noted.
3.	i) The entire water requirement during construction phase may be met from private tankers.	-
3.	 i) The entire water requirement during construction phase may be met from private tankers. ii) Provision shall be made for the 	-
3.	 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 	-
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3.	 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. 	Condition noted.
3.	 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, creche 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 	Condition noted. Condition will be complied. All the member

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

5.	Top Soil Management:	
	i) All the top soil excavated during	Condition noted. All the member units shall
	construction activities should be stored for	comply with.
	use in horticulture/ landscape development	
	within the project site.	
6.	Construction Debris disposal:	
	i) Disposal of construction debris during	Condition will be complied. All the member
	construction phase should not create any	units will be instructed to comply applicable
	adverse effect on the neighboring	rules and guidelines.
	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	Condition will be complied. All the member
	bituminous materials and other hazardous	units will be instructed to comply with.
	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
	i) Low Sulphur Diesel shall be used for	Condition will be complied. All the member
	operating diesel generator sets to be used	units will be instructed to follow applicable rule
	during construction phase. The air and noise	and guidelines.
	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 stand by DG sets	Condition noted. All the member units shall be
	shall be stored in underground tanks fulfilling	instructed to obtain necessary approvals
	the safety norms and if required,	

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

	v) The project proponent should ensure that	Condition noted. All the member units will be
	adequate Air pollution Control measures shall	instructed to comply with.
	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	Condition noted. All the member units will
	building material in the construction as per	be instructed to follow applicable rules and
	the provision of Fly ash Notification of	guidelines.
	September, 1999 and amended as on 27th	
	August, 2003 and Notification No. S.O.	
	2807 (E) dated: 03.11.2009.	
	ii) Ready-mix concrete used in building	Condition noted. All the member units shall
	construction and necessary cube tests should	comply with.
	be conducted ascertain their quality.	comp. J with
	be conducted ascertain their quanty.	
	iii)Use of glass shall be reduced up	All the member units shall comply with.
	to40% 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	Storm water will be provided all along the
	and on site shall be established by following	internal road. All the member industries will b
	the guidelines laid down by the storm water	instructed to follow applicable rules an
	manual.	guidelines.
	ii) Storm water management plan shall be	Condition noted.
	obtained by engaging the services of	
	Anna University/IIT.	
11.	Energy Conservation Measures:	

i) Roof should meet prescriptive	All the member units will be instructed to
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
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	All the member units will be instructed to
Building Code (ECBC) and National Building	follow applicable rules and guidelines.
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	Condition noted. All the member units will b
incorporated for illumination of common	advised to comply with.
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	The proposed project is an establishment of
measures conforming to energy conservation	industrial park which involves provision of
norms prescribed by the Bureau of Energy	roads, storm water drains, greenbelt, Powe
Efficiency shall be prepared incorporating	supply, water supply, etc. The member unit
details about building materials & technology;	will be instructed to follow applicable rules an
R & U factors etc and submitted to the SEIAA	guidelines.
in three month's time.	
 vi) Energy conservation installation of	Condition will be complied. All the member
CFLs/TFLs for lighting the areas outside the	units shall comply with.
building should be integral part of the project	
design and should be in place before project	
commissioning.	

12.	Fire Safety:	
		Condition noted and will be complied. All
	rescue arrangements should be made as per	the member units will be instructed to
	the prescribed standards.	comply with.
	ii) Proper and free approach road for fire-	Condition noted and will be complied. All
	fighting vehicles up to the buildings and for	the member units will be instructed to
	rescue in the event of emergency shall be	comply with.
	made.	
13.	Green Belt Development:	
	i) The Project Proponent shall plant tree	Condition will be complied.
	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	Condition will be complied. Greenbelt will be
	thegreenbelt area with dimension and GPS	developed as per the Layout Approval.
	coordinates for the green belt area all along	
	the boundary of the project site with at least 3	
	meter wide and the same shall be included in	
	the layout out plan to be submitted for	
	CMDA/ DTCP approval.	
	iii) The proponent shall develop the green belt	Condition noted. Overall greenbelt of minimum
	as per the plan furnished and area earmarked	33% will be developed as per the layout
	for the greenbelt shall not be alter at any point	approval.
	of time for any other purpose.	
14.	Sewage Treatment Plant:	
	i) The Sawage Treatment Diant (STD)	Condition noted. All the member units will be
	i) The Sewage Treatment Plant (STP)	
	installed should be certified by an independent	
	expert/ reputed academic institutions for its	guidelines.
	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	All the member units will be instructed to
	furnished. Any alteration to satisfy the bathing quality shall be informed to	follow applicable rules and guidelines.
	SEIAA-TN.	
	iii) The project proponent shall operate and	All the member units will be instructed to
	maintain the Sewage treatment Plant	follow applicable rules and guidelines.
	effectively to meet out the standards	
	prescribed by the CPCB.	
	iv) The project proponent shall	All the member units will be instructed to
	continuously operate and maintain the Sewage	follow applicable rules and guidelines.
	treatment plant and Effluent treatment plant to	
	achieve the standards prescribed by the CPCB.	
	v) The project proponent has to ensure the	All the member units will be instructed to
	complete recycling of treated sewage after	comply with.
	achieving the standards prescribed by the	
	СРСВ	
	vi) The project proponent has to provide	All the member units will be instructed to
	separate standby D.G set for the STP/GWTP	comply with.
	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	Condition noted. All the member units will be
	water collected from the covered roof of the	instructed to comply with.
	buildings, etc shall be harvested so as to	
	ensure the maximum beneficiation of rain	
	water harvesting by constructing adequate	
	sumps so that 100% of the harvested water	
	shall be reused.	
	ii) Rain water harvesting for surface run- off,	Condition noted. All the member units will be
	as per plan submitted should be	instructed to comply with.

	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	Condition noted. All the member units will
	rain water harvesting pits to recover and reuse	be instructed to comply with.
	the rain water during normal rains as	
	reported.	
	, r · · · · · ·	
	i) The project activity should not cause any	Condition noted.
	disturbance & deterioration of the local bio	
	diversity.	
16.	Building Safety:	
	Lightning arrester shall be properly	All the member units will be instructed to
		follow applicable rules and guidelines.
	building and where ever is necessary.	TL
	bunding and where ever is necessary.	

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

Not Applicable – Since the project is under construction phase.

5.0 ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit six monthly compliance report (Half Yearly Compliance) to MoEF & CC Regional Office by the 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 for the period of April 2024 to September 2024.

5.1 Ambient Air Quality Monitoring

The Ambient Air Quality parameters such as suspended particulate matter (PM_{10}), Respirable matter ($PM_{2.5}$), Sulphur dioxide, Oxides of Nitrogen (NO_x) and Carbon monoxide were monitored during the period of April 2024 to September 2024. The test report of ambient air quality is attached as **Annexure - 4**.

5.2 Ambient Noise Level Monitoring

Ambient Noise level was Monitored and the test report of ambient noise recorded during the period of April 2024 to September 2024 is attached as **Annexure -4**.

5.3 Soil Quality Monitoring

The soil samples were collected and analyzed during the period of April 2024 to September 2024. for nutrients and heavy metals. The test report of soil samples is attached as **Annexure - 4**.

5.4 Ground Water Quality Monitoring

The ground water samples were collected and analysed during the period of April 2024 to September 2024. The test report of ground water samples is attached as **Annexure – 4**.

5.5 Surface Water Quality Monitoring

The surface water samples were collected and analysed during the period of April 2024 to September 2024. The test report of surface water samples is attached as **Annexure - 4**.

6.0 CONCLUSION

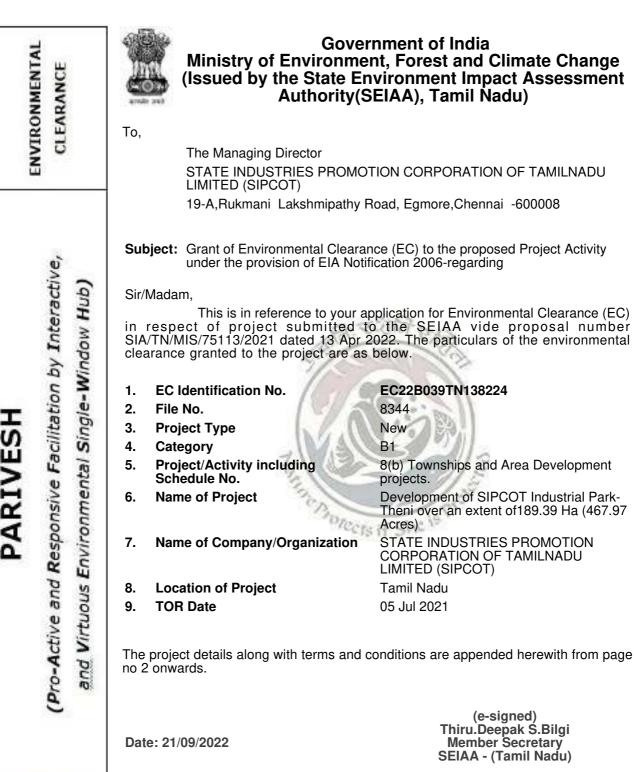
 The environmental monitoring was carried out at site during the period of April 2024 to September 2024.

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





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-TAMILNADU 3rd Floor, Panagal Maaligai,

No.1, Jeenis Road, Saidapet, Chennai - 600 015. Phone No. 044-24359973 Fax No. 044-24359975

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated:25.08.2022

Sir/Madam,

- Sub: SEIAA, TN Environmental Clearance Proposed Development of Industrial Park over an extent of 189.39 Ha (467.97 Acres) at S.F. Nos. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappu kundu Village, S.F.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village & S.F.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of Upparpatti Village, Theni Taluk, Theni District, Tamil Nadu under Schedule B - 8(b)-Townships and Area Development Projects - for Environmental Clearance by M/s. State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) as per the EIA Notification 2006 as Amended-Issued - Regarding.
 - Ref: 1. TOR vide Lr No. Lr No.SEIAA-TN/F.No. 8344/ SEAC/8(b)/ToR-987/2021 dated:05.07.2021
 - 2. Online Proposal No. SIA/TN/MIS/75113/2021, dated: 13.04.2022
 - 3. Your application for Environmental Clearance dated: 20.04.2022

....

- 4. Minutes of the 299th meeting of SEAC held on 23.07.2022
- 5. Minutes of the 544th meeting of Authority held on 25.08.2022

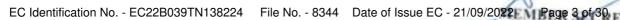
EMBER SECRETARY SELAA-TN

This has reference to your application 2nd & 3rdcited, for the Proposed Development of Industrial Parkby M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)under 8(b) Township And Area Development Projects as per the EIA Notification 2006 as Amended.

The Competent Authority and Authorized Signatory furnished the detailed information in Form 1, Form 1A, Conceptual plan and liquidate enclosures are as Annexures:

S. No	Description		Details					
1.	Name of the Project	State Industries Pr SIPCOT Limited Ta	omotion Corpo	ration of	Tamilnadu Lin	nited (SIPCOT		
2	Location	S.F.No.10/1, 57/1, 65/2, 66/1, 66/2, 66 S.F.Nos.1/1, 2/2, 3/ 6/3, 6/4, 17/1, 17/3 25/4, 29/1, 29/2, 30 33/3, 33/4, 42/1, Poomalaikundu Vill S.F.Nos. 52, 72/1, 75/2, 76, 77, 78, 79 85/3, 86/2, 726/3, 7 District, Tamil Nadu	 /1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6 7/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/ 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 /illage & 1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/ 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 727, 728 of Upparpatti Village, Theni Taluk, Therefu 					
	Type of Project	Townships and area d Schedule 8 (b): >1,50,	evelopment Proj 000 sa	jects	_			
1	Total Plot Area	: 189.39 Ha (467.977	Acres)					
1	Area br		Acres	Ha	0/0			
115	Plot area		279.62					
	Common amen Health centre, F centreetc)	ities (Project office, ire station, training	279.62 113.15	113,13	60.76			
H	and the second		6.16	2.49	1.3.4			
~ ~	Commercial act STM, Food cou	ivities (shops, bank, rt, restaurant etc.) er supply, water	6.16	5.74	3.08			

Annexure 1



SEIAA-TN

	treatment p	lant etc.)				
	Solid waste	e Management area	4.11	1.67	0.89	
	Logistics/ I	Parking	12.95	5.24	2.82	
		after deduction of road 9-66.92 =393.27 x10% res)	39.33	15.92	8.55	
	Green belt	in other areas	22.79	9.23	4.95	
	Road, Stor	m water drain	66.92	27.08	14.54	
	Industrial I	lousing	1.75	0.71	0.38	
	Total Developable area		460.19	186.24	100	
	Existing ca	rtrack	0,73	0.30		
	Water body	(as per revenue records)	2.43	0.98		
	HT line (22 m ROW -110 kV)		4.62	1.87		
	Total		467.97	189.39		
5		will be mandated to provide 3 d for Industrial Park is 62.48 1. The Industrial Par industries which do	Ha (33.55 %) k is envisag	of Developal ed to accor	ole area of 1 nmodate th	86.24 Ha. he followin
5	belt propose Brief description of the	d for Industrial Park is 62.48 1. The Industrial Park industries which do notification 2006 and	Ha (33.55 %) k is envisag not fall und	of Developal ed to accor er "A" & "I	ole area of 1 nmodate tl 3" category	186.24 Ha. he followir / as per EI
5	belt propose Brief description	d for Industrial Park is 62.48 1. The Industrial Park industries which do	Ha (33.55 %) k is envisag not fall und	of Developal ed to accor er "A" & "I	ble area of 1 nmodate th 3" category be of indust	86.24 Ha. he followir / as per El ries propose ximate % e
5	belt propose Brief description of the	d for Industrial Park is 62.48 1. The Industrial Park industries which do notification 2006 and are given below	Ha (33.55 %) k is envisag not fall und d amendments ods and fruit i g, milk chillin	of Developal ed to accor er "A" & "I s thereof. Typ based Pulp, g, dry fruit &	ble area of 1 nmodate th 3" category be of industi Appro plotted	86.24 Ha. he followir / as per El ries propose ximate % e
5	belt propose Brief description of the	d for Industrial Park is 62.48 I. The Industrial Park industries which do notification 2006 an are given below Industry Type Food Industries- Baked go paste, jam, Dhal processing, bak	Ha (33.55 %) k is envisag not fall und d amendments ods and fruit l g, milk chillin ed food produ	of Developal ed to accor er "A" & "I s thereof. Typ based Pulp, g, dry fruit & acts, coffee rel	ble area of 1 nmodate th 3" category be of indust Appro plotted	86.24 Ha. he followir / as per El ries propose ximate % o l area
5	belt propose Brief description of the	d for Industrial Park is 62.48 I. The Industrial Park industries which do notification 2006 and are given below Industry Type Food Industries- Baked go paste, jam, Dhal processing cardamom processing, bak processing etc. Textile – Readymade garm manufacturing RMG, sur	Ha (33.55 %) k is envisag not fall und d amendments ods and fruit l g, milk chillin ed food produ ients and appa gical cotton, b	of Developal ed to accor er "A" & "I s thereof. Typ based Pulp, g, dry fruit & acts, coffee rel suildtech, seri	ble area of 1 nmodate th 3" category be of indust Appro plotted	86.24 Ha he followir as per El ries propose ximate % o l area 43

MEMBER SECRETARY SELAA-TN 9.4

3	Water Usage Domestic Process& utilitie Green belt development Total	Fresh water (KLD) 854 cs 305 1417 2576 AD Board (Mullai) agement :	Recycled water (KLD) 22 850 770 1642 periyar River)	D and Treated Sew Total water(KLD) 876 1155 2187 4218 ated by individua			
	Water Usage Domestic Process& utilitie Green belt development Total b) Source TW	Fresh water (KLD) 854 28 305 1417 2576 AD Board (Mullar)	Recycled water (KLD) 22 850 770 1642	Total water(KLD) 876 1155 2187	age: 792 kLD)		
	Water Usage Domestic Process& utilitie Green belt development	Fresh water (KLD) 854 cs 305 1417	Recycled water (KLD) 22 850 770	Total water(KLD) 876 1155 2187	age: 792 kLD)		
	Water Usage Domestic Process& utilitie Green belt	Fresh water (KLD) 854 cs 305	Recycled water (KLD) 22 850	Total water(KLD) 876 1155	age: 792 kLD)		
	Water Usage Domestic Process& utilitie	Fresh water (KLD) 854	Recycled water (KLD) 22	Total water(KLD) 876	age: 792 kLD)		
	Water Usage Domestic	Fresh water (KLD) 854	Recycled water (KLD)	Total water(KLD)	age: 792 kLD)		
	Water Usage	Fresh water	Recycled	Total	vage: 792 kLD)		
		A straight	a Effluent: 850 kl	D and Treated Sew	age: 792 kLD)		
7.	 a) Water requirement: Construction phase: 60 kLD <u>Operation phase:</u> Total water requirement: 4218 kLD from TWAD Board (Mullaiperiyar River) Fresh water: 2576 kLD Recycled water: 1642 kLD (Treated Effluent: 850 kLD and Treated Sewage: 792 kLD) 						
2	Project	469.18 Crores					
6.	Cost of	otal			100		
	p ti	roposed. Total bui otal no of residents	ltup area propose	of 2BHK units are d is 15140Sq.m.	separated from Industrial plots		
	1	ndustrial Housing	(1.75 acres)		Housing area is		
	1	ndustries such as a ackaging industrie loves, bio fertilize	es, rubber produc	Contraction of the second s			
		other non EC categ	gory industries -	MSME support	25		

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 MERage 5 of 30 CRETARY 5.41 SEIAA-TN

	sewage fi industrial housing	rom 62	Will be treated in STP of 70 KLD and treated sewage will be used for flushing within the housing and excess will be sent for green belt development within the Industrial Park.
	Effluent fi individual industries	rom 860	Will be treated by individual industries and reused for process and utilities. ZLD will be maintained by individual industries.
9.	Solid Waste C	ieneration and Ma	inagement
	Component Operation phase(Kg/day)		Disposal Method
	MSW Organic waste	4899	Individual industries will segregate the waste and organic waste will be composted and used as manure for green belt development. Upon allotment of all the industries within IP, 4.11 Acres of land will be allotted to the contractor selected through tendering process for the establishment of Solid waste management facility on PPP basis. The compost will be used as manure for green belt development and Inorganic waste will be sold to TNPCB authorized recyclers/local vendors.
	MSW Inorganic waste	3266	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors by individual industries.
	For Industria	l Housing	
	Organic waste	136	Organic waste will be composted in Organic Waste Converter and the compost will be used as manure for green belt development.
	Inorganic waste	91	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors
10.	Power requiremen t	21 MVA from T	ANGEDCO
11.	Manpower (Nos)	Construction phase	

MEMBER SECRETARY 9.46 SEIA

Page 6 of 30

OSR Area	(15 m alone			
	of site and 10m	39.33	15.92	(%) 8.55
33% green plots	belt in industrial	92.27	37.34	20.05
Green belt	in other areas	22,79	9.22	4.95
Total		154.39	62.48	33.55
	along wate 33% green plots Green belt	along water body) 33% green belt in industrial plots Green belt in other areas	along water body) 33% green belt in industrial plots 92.27 Green belt in other areas 22.79	along water body) 33% green belt in industrial plots 92.27 37.34 Green belt in other areas 22.79 9.22

AFFIDAVIT

- I. Tmt. E.Sundaravalli, LA.S, Managing Director, Authorized Signatory, representing M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) having registered office at 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai – 600008, for the proposed "Development of Industrial Park over an extent of 189.39 Ha (467.97 Acres) at Thappakundu Village (SF.Nos.-10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1), PoomalaikunduVillage (SF.Nos.-1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3,42/4, 42/5, 42/6, 43/1, 43/2, 43/3) and Upparpatti Village (SF.Nos.-52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728) of Theni Taluk, Theni District of Tamil Nadu, hereby take oath and state as under in this affidavit:
- The total water requirement of the park is estimated at 4218 KLD (Fresh water: 2576 KLD and Recycled water:1642 KLD). Fresh water requirement for the Industrial Park is proposed to be sourced through TWAD Board from MullaiPeriyar River.
- Power Supply (21 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member

SEIAA-TN

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 7 of 30 RETARY

industries. The Individual industries will avail power supply from TANGEDCO and may have backup DG sets as per their requirement.

- IV. All member industries will be instructed to provide rain water harvesting structures as per norms. SIPCOT will construct Rainwater harvesting pits along the storm water drain for recharging ground water.
- V. 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.
- VI. 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 4.11 Acres of land for Solid Waste Management Facility.
- VII. All member industries will be mandated to store and dispose the hazardous waste generated within their premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- VIII. Individual industries will be mandated to provide STP/ETP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system.
 - Overall Greenbelt area of the park would be 62.48Ha (i.e.33.55% of developable area i.e., 186.24Ha).

SLNo	Project Components	Capital Cost (Rs. in Crores)	Recurring Cost /year (Rs in Lakhs)
1	Storm Water drains, culverts & rainwater harvesting pits	18.68	5.0
2	Health centre	1.46	10
3	Green Belt Development	3.8	3.5
4	Solid Waste Management	2.0	2.5

X. EMP cost of the park is INR 26.54 Crores. Details are given below:

MEMBER SECRETARY SEIAA-TN

	Total EMP Cost	26.54	39
	Stack for Industrial Housing DG set	0.1	5
5	STP for Industrial Housing (70 KLD)	0.5	10
5	Environmental Monitoring during Construction Phase	0	3

As per Minutes of 282nd SEAC meeting, we commit to spend Rs.I crore each (total Rs.2 XL crores) to Wildlife Sanctuary, Megamalai and Wildlife Sanctuary, Theni towards CER activities through Forest Department to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to Wild Animals.

SEAC Recommendations:

The proposal was placed in the 299th Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available on the website (www.parivesh.nic.in).

The SEAC noted the following:

- 1. The project/activity is covered under Category "B1" of Item 8(b) "Township and Area DevelopmentProjects)" of the Schedule to the EIA Notification, 2006.
- 2. Terms of Reference were issued to the said project vide Lr.No.SEIAA-TN/F.No.8344/SEAC/8(b)/ToR-987/2021 dated 05.07.2021.

Based on the presentation and documents furnished by the project proponent, SEAC noted as

1. ToR was issued inclusive of S.F.Nos. 4/1 of Poomalaikundu Village, whereas the project proponent now applied for the entire S.F.Nos. 4 of Poomalaikundu Village. It was informed by PP that the development of the industrial park is inclusive of the entire S.F.Nos, 4, which was mentioned S.F.Nos. 4/1 instead of S.F.No.4 in the ToR application and ToR was issued. Apart from that, there is no change in the total extent of the area of the proposed industrial park.

SEIAA-TN

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 9 of 30

- 2. The PP has informed that a letter dated 18.05.2022 has been addressed by Chinnamanur Forest Office, Chinnamanur, Theni District to Assistant Director, SrivilliputhurMegamalai Tiger Reserve, Megamalai, Theni , for the estimation for removal of trees in the project proposed area & another letter dated 27.07.2021 from Chinnamanur Forest Office, Chinnamanur, Theni District to Megamalai wildlife sanctuary, Theni.
- 3. It was reported that Neem 123 Nos, Saali Tree 13,850 Nos, Usil tree 527 Nos, Vaagai Tree 329 Nos &Melgira 246 Nos, totally 15174 Nos. of trees present in the site. Out of 15174 trees, approximately 380 trees will be removed during the laying of road for the Industrial park. To compensate for the loss 380 trees, additional, 3800 no. of trees will be planted in the green belt area proposed for the project. No. of trees proposed in green belt area of 62.48 ha =93,720, apart from this, 3800 trees will also be planted to compensate the loss of trees cut for road laying. Overall trees proposed are 97,520 Nos of trees.

After detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

- 1. The water body such as odai present in the proposed site shall be maintained properly.
- The Project proponent shall obtain the necessary permission from the competent Authority for utilization of OSR area for green belt development before applying CTO from TNPCB.
- The project proponent shall obtain the necessary permission from competent Authority for the drawal of water from Mullai Periyar River before applying CTO from TNPCB.
- The Proponent shall ensure that no schedule A & B industries as per EIA Notification 2006, shall be allowed in the industrial Park as committed.
- Individual industries shall be advised to retain the trees if possible. In case of removal of trees, the industries shall be required to plant 10 trees for every tree that is cut.
- The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.
- 5. The height of the stacks of DG sets shall be provided as per the CPCB norms.
- 6. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.

MEMBER SECRE

- The studge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
- 8. The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,
- The project proponent shall provide entry and exit points for the OSR area as per the norms for the pubic usage and as committed.
- The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
- The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
- 12. No waste of any type to be disposed of in any other way other than the approved one.
- The Proponent shall ensure that all the units provide dispenser for the disposal of sanitary napkins.
- All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
- The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
- 16. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during

SEIAA-TN

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 11 of 30 RETARY

COVID and Post - COVID period.

- 17. Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
- 18. As per the MoEF& CC Office Memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP.
- 19. As accepted, the PP shall remit Rs 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni, to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.

No	Scientific Name	Tamil Name	Tamil Name
1	Acgle mermelee	Vilvan	สมัสเหลง
2	Adonamiliera pavonina	Manjadi	பந்சாடி. ஆனைக்குறையன்
3	Albizia lobbeck	Vaagat	WTIEL
4	Albuzia amara	Usa	2.60
5	Baulumia purpuras	Mantharai	454140
6	Baultinua racemono	Aathu	1444
*	Eautorius tomentee	Investu	320166
8	Euchannus azillaris	Kathuma	ant Sign
9	Berassus Rubellifes	Partel	Lish-me
10	Baites managernia	Murukk amaran	100555070
11	Eobax ceiba	Bayn, Seyvilava	300
12	Catophyllium mophyllium	Punutas	CHRISTER
13	Casous fistula	Serakondrai	414641mmg
14	Casnis roxburghii	Sengondra	UFNUE TOPOTO
1.5	Chloroxylon stewstenia	Paratemaram	WA with
16	Cochtospermum integration	Korgu, Manjalliavu	Santag, uspent
17	Cordia dichotomi	Narwinda	Scheel
18	Crowers adamson	Mavalanguan	wiveflatmain.
19	Dittenia indice	Uva, Urha	4
20	Dittemia pentingynia	SnruUva, Satrucha	F22 8_F1
24	Diopyro scheman	Karungali	#State
72	Disappre schleroxylon	Vaganai	furt & altrater
23	Ficus amplissona	Kalltchi	an and
24	Hibiacus tiliaceou	Aatrupoovarana	-14270 234 H 1007 #
25	Hardwickin binata	Aacha	14.841
26	Holophilia integrificlia	Aavala	Seture une mark
27	Lanousa commandeficat	Odhiam	us un
28	Lagerstroemsa speciosa	Poo Manuthu	4 10.04
29	Lepisaninus terraphylla	Netkottaimaram	POU PATLANL 201
30	Linnervia aciditentita	Vila maram	NEW LOUGH
31	Letses glassing	Prompattas	องรัปมา เป็ดเสนเลย
32	Madhaca longifulia	Illuppa.	Second .
33	Manufanu Incandra	ClakkaiPaalai	R.S.ERE LINES
34	Miniunopy elengi	Magazhamanan	weigered.
35	Mitragyna parenfolia	Kadambu	Mit alta
56	Morinda pubescens	Nuna	2etter
37	Morinda estrifelia	Vetlas Nurta	Georgener guerr
38	Phoence sylvestre	Eachai	10000
39	Pringeamia minist	Purpage	LINE L

Appendix -I List of Native Trees Suggested for Planting

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朝	Provina moltanessa	Muritan	2000
41	Prenins sensitivita	Nariimunnai	30 0400
42	Premise tonenitoria	Malaquoevacana	USA USA
43	Printple citaria	Vanni maram	destrail within
44	Paerocarpus mornigram	Vengsi	Bactivities.
45	Pherospermium canencers	Vennangu, Tada	Quantum Tada
46	Phermapermann xylocarpani	Folavu	Lance
47	Putterangene teohurgha	Karipala	4:5U19U7
46.	Salmadovo potraca	Ugas Maram	weat und
an.	Signatur mangunatus	Manipungan. Sospukai	COTLANSO STATION
56	Sankot Angea	Assca	oterat
51	Strubbus anner	Piero: maram	Great when
52	Strychuos maximus:	Yeth	PL.11
53.	Strychner protatorne	Theythang Kottas	fassie list.m
54	Sycogram cummi	Savat	3164
55	Terminalia Sellera:	Thandra	6103
56	Terminalist erguns	Ven manuditu	State state
57	Tooma ciliate	Sandhana vembu	FROM BOOK
58.	Therportar populitare	Puttanaina	4602
90	Polateanatri folasta	valines	W16.421
90	Weightig functions	Vepistulai	GALLOR
e1	Pothecellabourn duller	Kodubkephili	Humastrail

SEIAA Recommendations:

The proposal was placed in the 544th Authority meeting held on 25.08.2022. The Authority after detailed discussions accepted the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions:

- The project proponent shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies within the proposed site in concurrence with the competent authority before obtaining consent from TNPCB.
- The project proponent shall obtain necessary permission for water bodies within/around the proposed site from the Competent Authority before obtaining CTE from TNPCB.
- The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.
- 4. 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.
- 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.
- 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 &

Page 13 of 30 CRE

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022

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.

- 7. The project proponent shall ensure that non EIA attracting Industries to be in-housed shall provide elevated STP/ETP of adequate capacity & its utilities above the ground level with adequate height considering highest rainfall & flood level /inundation point of view as recommended by the competent authority for the proposed project site.
- The project proponent and the industries shall provide 33% green belt area excluding the OSR area.
- 9. Forest department should be consulted during plantation and cutting of trees.
- 10. 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.
- 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.
- The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.
- The project proponent shall obtain necessary permission for disposal of excess storm water from the competent authority before obtaining CTO.
- 14. The project proponent shall ensure that industries to be 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 CPCB at all times.
- 15. The 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

MEMBER SECRETARY

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.

- 16. The project proponent & the Industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.
- 17. 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.
- The project proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.
- 19. The 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.
- 20. The proponent & the Industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.
- The proponent & the Industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.
- 22. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco friendly and support sustainable management of the natural resources within and outside the campus premises.
- 23. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
- 24. The proponent & the Industries to be in-housed shall ensure proper arrangement & utilization of recycled water.
- 25. The proponent & the Industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
- 26. The 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.
- 27. All the Buildings shall be energy efficient and confirm to the green building norms.
- The proponent & the Industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 15 of 30

- The proponent & the Industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.
- 30. The 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.
- 31. The 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.
- 32. The 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.
- The proponent & the Industries to be in-housed shall ensure to provide the emergency exit in the buildings.
- 34. The proponent & the Industries to be in-housed shall ensure to provide elevator as per rules CMDA/DTCP.
- 35. 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.
- 36. The proponent & the Industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
- 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:

MEMBER SECR

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

- 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.
- 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.
- 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.
- The SEIAA reserves the right to add additional safeguard measures subsequently, if noncompliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
- A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
- 7. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
- 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.

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 17 of 30 CRI

- "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
- 10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
- 11. The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments ,draft Minor Mineral Conservation & Development Rules , 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules ,2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
- The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
- 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.

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- 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 setup 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.
- 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.
- The Project Proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
- The project activity should not cause any disturbance & deterioration of the local bio diversity.
- 24. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
- 25. All the assessed flora & fauna should be conserved and protected.
- 26. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
- Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
- 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.

Page 19 of 30

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022

- 30. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
- No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
- 33. The safety measures proposed in the report should be strictly followed.

Part - B - Specific Conditions - Pre construction phase:

- 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.
- 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.
- 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.
- 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.
- 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.

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- 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.
- The height and coverage of the constructions shall be in accordance with the existing FSL/FAR norms as per Coastal Regulation Zone Notification, 2011.
- The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.
- 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. Strom water drains, and
 - ix. Rain water harvesting system, etc. and it shall be made available to the owners
- 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.
- During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
- 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.

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 21 of 30 L1

21. Regular fire drills should be held to create awareness among owners/ residents.

Part - C - Specific Conditions - Construction phase:

- 1. Construction Schedule:
 - 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:

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

3. Water Supply:

- 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, creche 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 devises / sensor based control.

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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.

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 23 of 30 ET

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

8. Air & Noise Pollution Control:

- 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.
- 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:

- 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.
- Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.

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

10. Storm Water Drainage:

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

11. Energy Conservation Measures:

- 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:

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

SELAA-TN

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 MPage 25 of 30 FT ARY

13. Green Belt Development:

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

14. Sewage Treatment Plant:

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

15. Rain Water Harvesting:

i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of

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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 rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
- i) The project activity should not cause any disturbance & deterioration of the local bio diversity.

16. Building Safety:

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

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

- 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 atleast10% of total energy utilization.
- 6. The Project proponent has to spend the CER as committed in the affidavit. The above activity shall be carried out before obtaining CTO from TNPCB.
- 7. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually
- 8. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
- 9. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.

SEIAA-TN

EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 Page 27 of 30 FTA

- 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.
- "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.
- 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.
- 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

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- Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
- 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.
- 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.
- 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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EC Identification No. - EC22B039TN138224 File No. - 8344 Date of Issue EC - 21/09/2022 MIPage 29 of 30 RETARY

SEIAA-TN

Copy to:

- The Additional Chief Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
- The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
- The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
- The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ),34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai - 34.
- Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
- 6. The District Collector, Theni District.
- 7. Stock File,



TAMILNADU POLLUTION CONTROL BOARD

SIPCOT

Annexure - 2

1 1 APR 2023

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Category of the Industry :

RED

CONSENT ORDER NO. 2301149594769

DATED: 21/03/2023.

PROCEEDINGS NO.T4/TNPCB/F.0967TEN/RL//TEN/W/2023 DATED: 21/03/2023

- SUB: TNPC Board-Consent for Establishment-M/S SIPCOT INDUSTRIAL PARK AT THENI S.F No. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of, UPPARPATTI Village, Theni Taluk, Theni 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. Environmental Clearance issued by the SEIAA-TN vide EC Id No.EC22B039TN138224 Dated 21.09.2022

2. Unit's online application No. 49594769 dated 23.12.2022

IR.No: F.0967TEN/RL/AE/TEN/2023 dated 22/02/2023

4. Minutes of the 212th TSC meeting held on 15.03.2023 (TSC Item No. 212-01)

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

The Managing Director,

SIPCOT INDUSTRIAL PARK AT THENI

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

S.F. No.10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of .

UPPARPATTI Village,

Theni Taluk,

Theni District.

This Consent to establish is valid upto March 31, 2029, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

RAGUPATHI Digitally signed by RAGUPATHE SANGANAN SANGANAN Dide 2023.03.21 1647;14+05/32

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai



State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)

19-A, Rukmani Lakshmipathy Road,

Egmore, Chennai,

Pin: 600008

Copy to:

1. The Commissioner, THENI-Panchayat Union, Theni Taluk, Theni District .

2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THENI.

3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Madurai.

4. File



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

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

SL No.	Description	Quantity	Unit
	Product Details		
1.	It is an infrastructure development project in a total area of 189.39 Hectares (467.97 Acres). It involves development of roads, water supply lines, storm water drains, street lights, greenbelt and such other amenities to accommodate Industries which do not fall under 'A' & 'B' Category as per the EIA Notification, 2006 and amendment thereof. Type of industries proposed are Food Industries, Textile, Engineering, Mineral Products and Other Non EC Category Industries including Industrial Housing Facility	0	0

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

Sewage Treatment Plant:		17 ·
Treatment	status: Septic Tank and S	P/DT
Name of the Treatment Unit	No. of Units	Dimensions in metres
Septic Tank	1 .	4.2 m x 2.3 m x 1.9
Soak Pit	1	1.0 m dia x 2.5 m Ht
Effluent Treatment Plant:		- Inv
Treatment status: No	trade effluent and hence	does not arise
Name of the Treatment Unit	No. of Units	Dimensions in metres
	4	
	Treatment : Name of the Treatment Unit Septic Tank Soak Pit Effluent Treatment Plant: Treatment status: No Name of the Treatment	Treatment status: Septic Tank and S Name of the Treatment No. of Units Septic Tank 1 Soak Pit 1 Effluent Treatment Plant: Treatment status: No trade effluent and hence Name of the Treatment No. of Units

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 Ty	pe : Sewage		
1.	Sewage	0.85	On own land
Effluent Ty	pe : Trade Effluent	0.00	Chroninand

4. Special Additional Conditions:

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

5. Additional Conditions:

1:



1. The SIPCOT Industrial Park shall comply the conditions stipulated in the Environmental clearance SEIAA vide letter No.SEIAA -TN/F.No.8344/EC/ 8(b)/ 866/2022 dated: 25.08.2022.(Online EC Id No. EC22B039 TN138224 Dated 21.09.2022)

The project proponent shall start establishment only after complete alienation of Patta lands, Govt, Poramboke lands & water bodies within the proposed site in concurrence with the competent authority as insisted in the Environmental Clearance issued by the SEIAA-TN.

3. The project proponent shall obtain necessary permission for maintaining the water bodies within the proposed site from the Competent Authority

4. The water body such as odai present in the proposed site shall be maintained properly.

5. The SIPCOT shall obtain and furnish the necessary approval obtained from the competent authority for drawl of water from River Mullai Periyar, while applying for CTO.

The SIPCOT shall house industries in the industrial park in compliance to the provisions of EIA Notification 2006 as committed.

The SIPCOT shall ensure that industries which are falls in the schedule A & B of the EIA Notification 2006 shall not be allowed in this industrial Park as committed.

8. The unit shall furnish the land use classification as industrial use /DTCP approval and the same shall be submitted to TNPCB during CTO application committed

The SIPCOT shall not handover industrial plots without obtaining CTO of the Board.

10. The SIPCOT shall provide Septic tank followed by soak pit arrangements to treat and dispose the sewage generated as reported.

11. The SIPCOT shall ensure that the allotted units are mandated to implement own sewage treatment system for treating and disposing the sewage and shall ensure that no treated / untreated sewage shall gain access outside the unit premises on land / water source under any circumstances.

12. The SIPCOT shall ensure that the allotted units are mandated implement own effluent treatment system for treating the trade effluent and shall ensure that no treated / untreated trade effluent shall gain access outside the unit premises on land / water source under any circumstances.

13. The SIPCOT shall ensure that the allotted units not dig any well or bore well inside their premises for drawing of ground water.

14. The SIPCOT shall ensure that the allotted units are mandated that the water courses/pathai leading to the Water bodies located in the surroundings will not be disturbed and in this regard a condition shall be imposed in the allotment order to the member units

15. The SIPCOT shall ensure that the allotted units are mandated that all the member industries to develop green belt in 33% of their allotted area.

16. The SIPCOT shall ensure that the allotted units including the housing society are mandated to obtain individual consent orders from the Board.

17. The SIPCOT shall not handover industrial plots without obtaining consent to operate orders of the Board.

18. Compensation is to be paid for land acquisition as fixed by the District Collector and District Magistrate as civil liability.

19. The project generating more than 20 tons of construction and demolition waste or more in one day or 300 tons per project in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorized processing facilities of construction and demolition waste and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public or drains.

20. The project shall segregate and store the waste generated by them in three separate streams namely biodegradable, non bio-degradable and domestic hazardous wastes in suitable bins and handover segregated wastes to authorised waste pickers or waste collectors as per the direction or notification by the local authorities from time to time;

21. All gated communities and institutions with more than 5,000 Sq.m area shall ensure segregation of waste at source by the generators, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the authorized recyclers. The bio-degradable waste shall be processed, treated and disposed off through composting or biomethanation within their premises. The residual waste shall be given to the waste collectors or agency as directed by the local body.

22. The project shall ensure that the segregated plastic waste must be sent to plastic recycling units. The waste plastics shall not be buried/land filled or burnt.

23. The unit shall provide rain water harvesting facility within the premises for the recharge of ground water.

24. The unit shall develop green belt in and around the premises by planting 2 m tall tree saplings.

25. The consent do not absolve from obtaining permission/Clearance from other authorities or other statues as applicable.

26. In case of revision of consent fee by the Government, the unit shall remit the difference in consent fee amount within one month from the date of notification. Failing to remit the consent fee, this



consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.

27. The project shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead it shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, Jute bag etc.

 The issue of CTE does not absolve the proponent from obtaining approval from other relevant Government Departments.

29. The Developer shall allot 5% of the area in the total plot area or minimum five plots or sheds for recovery and recycling facility as per the Solid waste Management Rules, 2016.

30. The unit shall ensure that no expansion activity will be carried out without prior of consent of the TNPC Board.

31. The developer shall establish the housing project with adequate buffer between the industrial plots and housing plots by developing green belt.

> RAGUPATHI Digitally signed by RAGUPATHI SANGANAN SANGANAN Date: 2023.03.21 16647:55 +05'30'

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

- 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.
- The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
- 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.
- 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).
- Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
- 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.
- 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.
- In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

RAGUPATHI Digitally signed by RAGUPATHI SANGANAN SANGANAN Date: 2023.03.21 16:48:28 + 05'30

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

Category of the Industry :

RED

CONSENT ORDER NO. 2301249594769

DATED: 21/03/2023.

PROCEEDINGS NO.T4/TNPCB/F.0967TEN/RL/TEN/A/2023 DATED: 21/03/2023



மிருதாள்

Oldpol Grandanian

- SUB: TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK AT THENI, S.F. No. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of, UPPARPATTI village, Theni Taluk and Theni 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. Environmental Clearance issued by the SEIAA-TN vide EC Id No.EC22B039TN138224 Dated 21.09.2022

2. Unit's online application No. 49594769 dated 23.12.2022

3. IR.No : F.0967TEN/RL/AE/TEN/2023 dated 22/02/2023

4. Minutes of the 212th TSC meeting held on 15.03.2023 (TSC Item No. 212-01)

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

The Managing Director,

M/s . SIPCOT INDUSTRIAL PARK AT THENI

S.F.No. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of ,

UPPARPATTI Village,

Theni Taluk,

Theni District.

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

S.F. No. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of ,

UPPARPATTI Village,

Theni Taluk,

Theni District.

This Consent to establish is valid upto March 31, 2029, or till the industry obtains consent to operate under Section 21 of the Air

enclosed.

RAGUPATHI Digitally signed by RAGUPATHI SANGANAN SANGANAN Date: 2023.03.21 16:49:09 +05:30

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

To The Managing Director, M/s.SIPCOT INDUSTRIAL PARK AT THENI, State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai, Pin: 600008

Copy to:

1. The Commissioner, THENI-Panchayat Union, Theni Taluk, Theni District .

2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THENI.

3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Madurai.

4. File



SPECIAL CONDITIONS

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

SL No.	Description	Quantity	Unit
	Product Details	-	
1.	It is an infrastructure development project in a total area of 189.39 Hectares (467.97 Acres). It involves development of roads, water supply lines, storm water drains, street lights, greenbelt and such other amenities to accommodate Industries which do not fall under 'A' & 'B' Category as per the EIA Notification, 2006 and amendment thereof. Type of industries proposed are Food Industries, Textile, Engineering, Mineral Products and Other Non EC Category Industries including Industrial Housing Facility	0	0

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

I	Point source emission with stack :						
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr			
п	Fugitive/Noise emission :		100				
SL No.	Fugitive or Noise Emission sources	Type of emission	Control measures				

3. Special Additional Conditions:

L.

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



1. The SIPCOT Industrial Park shall comply the conditions stipulated in the Environmental clearance SEIAA vide letter No.SEIAA -TN/F.No.8344/EC/ 8(b)/ 866/2022 dated: 25.08.2022.(Online EC Id No.EC22B039 TN138224 Dated 21.09.2022)

The project proponent shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies within the proposed site in concurrence with the competent authority as insisted in the Environmental Clearance by the SEIAA-TN.

3. The project proponent shall obtain necessary permission for maintaining the water bodies within the proposed site from the Competent Authority .

The water body such as odai present in the proposed site shall be maintained properly.

The SIPCOT shall house industries in the industrial park in compliance to the provisions of EIA Notification 2006 as committed.

6. The SIPCOT shall ensure that industries which are falls in the schedule A & B of the EIA Notification 2006 shall not be allowed in this industrial Park as committed.

7. The unit shall furnish the land use classification as industrial use /DTCP approval and the same shall be submitted to TNPCB during CTO application committed

8. The SIPCOT shall not handover industrial plots without obtaining CTO of the Board.

9. Compensation is to be paid for land acquisition as fixed by the District Collector and District Magistrate as civil liability.

10. The SIPCOT shall ensure that the allotted units are mandated that all the member industries to develop green belt in 33% of their allotted area.

The unit shall develop green belt in and around the premises by planting 2 m tall tree saplings.

12. The operation of the unit shall not attract any complaint from the local public

13. The consent do not absolve from obtaining permission/Clearance from other authorities or other statues as applicable.

14. In case of revision of consent fee by the Government, the unit shall remit the difference in consent fee amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.

15. The issue of CTE does not absolve the proponent from obtaining approval from other relevant Departments.

16. The developer shall establish the housing project with adequate buffer between the industrial plots and housing plots by developing green belt .

> RAGUPATHI Digitally signed by RAGUPATHI SANGANAN SANGANAN Date: 2023.03.21 16:49:40 +05'30'

For Member Secretary. Tamil Nadu Pollution Control Board, Chennai

BILLANDER HOR

TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

- 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.
- The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
- 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).
- Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
- 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.
- The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
- The unit shall develop green belt of adequate width around the premises.
- In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

RAGUPATHI Digitally signed by RAGUPATHI SANGANAN SANGANAN Date: 2023.03.21 16:50:21 +05'30'

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai





ENVIRONMENTAL MANAGEMENT CELL

1. INTRODUCTION:

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

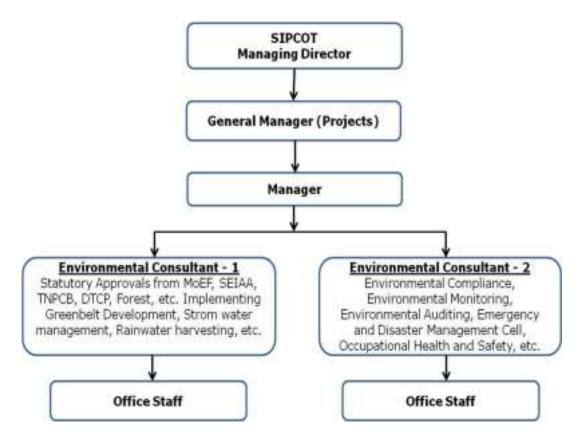


Figure - 1 Organogram for Environmental Management Cell

2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:

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

S.No. Designation Responsibilities > Responsible for overall environmental management. Regularly conduct meeting with EMC and take feedback the activities performed regarding all under 1 Managing Director Environmental Management and give directions to succeeding component. > Approval of funds for carrying out environmental management activities. > Keep aware about all the activities performed under EMC in the industrial parks. > Issuing direction to Project officers for implementing GM – Projects 2 Greenbelt development, Storm water management, rain water harvesting, etc. > To deal with legal entity pertaining to environmental issues. > To prepare and allocate budget for Environment Management Plan. \succ Ensuring compliance to the conditions prescribed by statutory authority. 3 Manager > 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. Obtaining Statutory Approvals from MoEF&CC / SEIAA / TNPCB, etc. > Addressing the various gueries received from statutory authorities on environmental front. Environmental 4 Submitting Environmental compliance report and Consultants (Two) 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.

Table – 1: Roles and responsibilities of EMC

A-21, III Phase, Thiru VI Ka Industrial Estate, Guindy, Chennal - 600 032. Ph: 42985555 / 43635555 Fax : 42985500 E-mail : labsales@hecs.in

Later day in



Annexure 4

Laboratory Services Division

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

	ddress of the Client + Ther	SIPCOT il ospheric Polli		EPORT ULR Report No. Sample ID N Sampling Di	: TC12310 : HECS/A1 : 25092406 ne : 25/09/202	4
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8	Ozone as O3	pg/m)	12.3	IS 5182 (Part 9) 1974	80 (24 hours)	40 (Annual)
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_	pena)		1.0.03	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
0	Particulate matter (Size less than µm)	2.5 μg/m ³	23.07	15 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
E.	Sulphur diexide as \$02	µg/m ³	14.33	IS 5182 (Part 2) 2001		
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		1.0.710	0.002	HECS-G/INS/SOP/044 baue	1 (24 hours)	0.5 (Annual)

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

0.002)

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



D.Anusuya Lab Manager

No. 01 Issue Date:01.03.2021

Authorized Signatory

The report is full or part shall not be used for any promotional or politicity purpose willoud written consent by HECS organization 2. Samples are not drawn by HECS unless or otherwise isobility or loss / damage caused by use or misuse of test report after invoicing or issue of tost report. 5. The test results relate only to the test items.
 HECS-G/O/FMT/49

HECS-G/Q/FMT/49

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Laboratory Services Division

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Page 1 of 1

TEST REPORT

Nam	e of the Client	* M/s. SIPCOT			Report No. Sample ID No	¹ HECS/AP/030/250924/N 250924068	
Address of the Client Theni				Sampling Date	and the second second second		
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S.No.	ng Method & Plan	± 18 5182 Part 5 &	& Part 14	200.000 - 100.			
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OWNER	SLAP - Relow the Lb	and the Physics of the state				1000 1000 1000 012 MY 2020	

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

End of Report



ST. D.Anusuya Lab Manager

Authorized Signatory

The report is full or part shall not be used for any protectional or publicity purpose without written consent by HECS organization 2. Samples are not drawn by HECS unless or otherwise mentioned 3. Unless apacifically requested by customer the text items will not be related more than 15 days from the state of issue of text report. 4. Under no documentances tab accepts any liability or loss / damage caused by use or misuse of text report after invoicing or issue of lest report. 5. The text results relate only to the text items.
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Laboratory Services Division

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				TEST RE	ULR Report No.	Pag : TC1231024 : HECS/AP/0	
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Samp	de Mark	: Vayalpatti			Completed Or	: 30/09/2024	
Samp	le Reference	: NA			Report Date	+ 30/09/2024	
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Disc	ipline : Chemical						
1	Arsenic		ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel		ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issae No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ		µg/m1	BLQ (LOQ: 0.1) 1S 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AA	Q	ng/m*	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annoal)	1 (Annual)
5	Amroonce as NH3		p.gém ^y	6.08	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
ñ	Carbon Monoxide (C	(O)	mg/ m ³	HLQ(LOQ 0.05)	IS 5182 (Part 10) Chuise 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as	NO2	µg/m ³	22.75	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
К	Ozone as O3		µg/m*	13.31	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Si µm)	ze less than 10	pg/m ³	54.66	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Si µm)	ze less than 2.5	µg/ml	24.59	15 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as St	02	µg/m?	8.37	15 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead		pg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 lissue Date:01.03.2021	I (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, pg/m3- Micrograms per cubic meter, mg/m4-Milligrams per cubic meter, ng/m4-Nanograms per cubic meter.

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



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TEST REPORT

Page : 1 of 1

Name	of the Client	‡ M/s. SIPCOT			Report Na. Sample ID No.	² HECS/AP/031/250924/N : 250924069
Addn	ess of the Client	: Theni			Sampling Date	: 25/09/2024
Group Sample	Name	* Atmospheric Pe * Ambient Air	dution		Received Date	# 25/09/2024 doi: 125/09/2024
Sample Mark : Vayalpatti Sample Reference : NA					Completed On Report Date	* 30/09/2024 * 30/09/2024 * 30/09/2024
Second Provide	Drawn By e Location	‡ M/s.Hubert Env † NA	viro care Systems (I	Sample quantity FNA		
	nmental Condition ng Method & Plan	* Temperature (*) : IS 5182 Part 5 8		idity (%) : 56.0		
S.No.	Test P	arameters	Units	Resul	ts	Test Method
Discip	line + Chemical		1	1	WS10	reat predition
1	TVOC		ppmv	BLQ(LOQ	0.1) HE	CS-G/ENV/AAO/SOP/005 Isaae

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""



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				TEST RE	ULR Report No.	Pag : TC1231024 # HECS/APA	
Nan	ne of the Client :	M/s. SIPCO	TC		Sample ID No	: 250924070	
Add	ress of the Client :	Theni			Sampling Date	: 25/09/2024	
Grou	p t	Atmospher	ic Pollut	ion	Received Date	1 25/09/2024	
Samp	de Name 🕴	Ambient A	ir		Commenced D	atr 1 25/09/2024	
200.00		Kottur			Completed On	: 30/09/2024	
Sample Reference * NA					Report Date	\$ 30/09/2024	
Sample Drawn By			t Enviro	care Systems (P)	Ltd. Sample quan	ity ¹ NA	
			-	22.0	ALCONO. DE D		
		IS 5182 Pa		32.0 Humie urt 14	hty (%): 56.0		
S.No. Test Parameters			Units	Results	Test Method	NAAQ Stan	dards : 2009
Disci	ipline : Chemical						
1	Arsenic		ng/in3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.3H Issue Date:01.03.2021	6 (Aanual)	6 (Annual)
2							
÷.	Nickel		ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
	Nickel Benzene-AAQ		ng/m3 µg/m3	BLQ (LOQ: 2.0) BLQ (LOQ: 0.1		20 (Annual) 5 (Annual)	20 (Annual) 5 (Annual)
1	1000000				No.:01 Issue Date:01.03.2021		5 (Annual)
2 3 4 5	Benzene-AAQ		µg/m3	BLQ (LOQ: 0.1	No.:01 Issue Date:01.03.2021) IS 5182 Part 11: 2006	S (Annual)	5 (Annual) 1 (Annual)
3 4 5	Benzene-AAQ Benzo (a) pyrene-AAQ		µg/m3 ng/m*	BLQ (LOQ: 0.1 BLQ (LOQ: 0.1)	No.:01 Juster Date:01.03.2021) IS 5182 Part 11: 2006 IS : 5182 Part 12: 2004	5 (Annual) 1 (Annual)	5 (Annual) 1 (Annual) 100 (Annual
3 4 5 6	Benzene-AAQ Benzo (a) pyrene-AAQ Ammonia as NH3		µg/m3 ng/m ⁴ µg/m ³	BLQ (LOQ: 0.1 BLQ (LOQ: 0.1) 5.7	No.:01 Jssue Date:01.03.2021) IS 5182 Part 11: 2006 IS : 5182 Part 12: 2004 IS 5182 (Part 25) 2018 IS 5182 (Part 10) Classe 4	5 (Annual) 1 (Annual) 400 (24 hours)	5 (Annual) 1 (Annual) 100 (Annual 2 (8 hoars)
3	Benzene-AAQ Benzo (a) pyrene-AAQ Anumonia as NEG Carbon Monoxide (CO)		yıg/m3 ng/m ¹ µg/m ¹ mg/ m ¹	BLQ (LOQ: 0.1 BLQ (LOQ: 0.1) 5.7 BLQ(LOQ: 0.05)	No.:01 Issue Date:01.03.2021) IS 5182 Part 11: 2006 IS : 5182 Part 12: 2004 IS 5182 (Part 25) 2018 IS 5182 (Part 10) Classe 4 1999	S (Annual) 1 (Annual) 400 (24 hours) 4 (1 hours)	5 (Annual) 1 (Annual) 100 (Annual) 2 (8 hoars) 40 (Annual)
3 4 5 6 7	Benzene-AAQ Benzo (a) pyrene-AAQ Ammonia as NEG Carbon Monoxide (CO) Nitrogen dioxides as NO	2	µg/m3 ng/m ⁴ µg/m ⁹ ng/ m ⁹ µg/m ⁸	BLQ (LOQ: 0.1 BLQ (LOQ: 0.1) 5.7 BLQ(LOQ: 0.05) 21.38	No.:01 Issue Date:01.03.2021) IS 5182 Part 11: 2006 IS : 5182 Part 12: 2004 IS 5182 (Part 25) 2018 IS 5182 (Part 10) Clause 4 1999 IS 5182 (Part 6) 2006	5 (Annual) 1 (Annual) 400 (24 hours) 4 (1 hours) 80 (24 hours)	
3 4 5 6 7 8	Benzene-AAQ Benzo (a) pyrene-AAQ Ammonia as NEG Carbon Monoxide (CO) Nitrogen dioxides as NO Ozone as O3 Particulate matter (Size I	12 ess than 10	yg/m3 ng/m4 µg/m9 mg/m9 µg/m9 µg/m8	BLQ (LOQ: 0.1 BLQ (LOQ: 0.1) 5.7 BLQ(LOQ: 0.05) 21:38 10:62	No.:01 Jssue Date:01.03.2021) IS 5182 Part 11: 2006 IS : 5182 Part 12: 2004 IS 5182 (Part 25) 2018 IS 5182 (Part 10) Classe 4 1999 IS 5182 (Part 6) 2006 IS 5182 (Part 9) 1974	5 (Annual) 1 (Annual) 400 (24 hours) 4 (1 hours) 80 (24 hours) 180 (1 hours)	5 (Annual) 1 (Annual) 100 (Annual) 2 (8 hoars) 40 (Annual) 100 (8 bours
3 4 5 6 7 8 9	Benzene-AAQ Benzo (a) pyrene-AAQ Ammonia as NH3 Carbon Monoxide (CO) Nitrogen dioxides as NO Ozone as O3 Particulate matter (Size I µm) Particulate matter (Size I	12 ess than 10	yg/m3 ng/m ¹ µg/m ³ ng/ m ¹ µg/m ¹ µg/m ³	BLQ (LOQ 0.1 BLQ (LOQ 0.1) 5.7 BLQ(LOQ 0.05) 21.38 10.62 49.45	No.:01 Jssue Date:01.03.2021) IS 5182 Part 11: 2006 IS : 5182 Part 12: 2004 IS 5182 (Part 25) 2018 IS 5182 (Part 10) Clauser 4 1999 IS 5182 (Part 6) 2006 IS 5182 (Part 6) 2006 IS 5182 (Part 23) 2006	5 (Annual) 1 (Annual) 400 (24 hours) 4 (1 hours) 80 (24 hours) 180 (1 hours) 100 (24 hours)	5 (Annual) 1 (Annual) 2 (8 hoars) 40 (Annual) 100 (8 hoars) 60 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/un3- 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""



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TEST REPORT

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	- 43 (- 1.7	

				1	Report No.	3 HECS/AP/032/250924/N
Name	of the Client	[‡] M/s. SIPCOT	* M/s. SIPCOT			: 250924070
Addri	ess of the Client	: Theni		5	Sampling Date	: 25/09/2024
Group		* Atmospheric Pe	dlution	1	Received Date	: 25/09/2024
Sample	Name	* Ambient Air				c 25/09/2024
Sample	Sample Mark : Kottur					\$ 30/09/2024
Sample	Reference	= NA		3	Ceport Date	\$ 30/09/2024
Sample	Drawn By	# M/s.Hubert Env	Iubert Enviro care Systems (P) Ltd.			Y INA
Sampl	e Location	* NA	· · · · · · · · · · · · · · · · · · ·		- 20 - 0	FeB 4571
	unental Condition ng Method & Plan	* Temperature (* † IS 5182 Part 5 &	C) : 32.0 Humi & Part 14	idity (%) : 56.0		
S.No.	Test P	arameters	Units	Results		Test Method
Discip	line : Chendeal		20101000			A SPLASTSTAT
1	TVOC		pporv	BLQ(LOQ 0	1) HEC	S-G/ENV/AAQ/SOP/005 Issue

No.:01 Issue Date:02:07 2020 Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report



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				TEST RE	<u>PORT</u> ULR Report No.	Pag : TC1231024 : HECS/AP/0	
Nan	ne of the Client	1 M/s. SIPCO	DT.		Sample ID No	: 250924071	
Add	lress of the Client	: Theni			Sampling Dat	: : 25/09/2024	
irou	p	* Atmospher	ic Pollut	ion	Received Date	1 25/09/2024	
Samp	de Name	* Ambient A	ir		Commenced I	Date 1 25/09/2024	
Samp	de Mark	: Duraiswan	nipuram		Completed Or	+ 30/09/2024	
Samp	de Reference	: NA			Etd. Report Date	1.30/09/2024	
Envir	ple Location connental Condition ling Method & Plan	¹ NA ¹ Temperatu 1 IS 5182 Pa		32.0 Humi art 14	dity (%) : 56.0		
S.N	o. Test Para	meters	Units	Results	Test Method	NAAQ Stan	dards : 2009
Disc	ipline : Chemical						
ţ.	Arsenic		ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/041 Issue No.01 Issue Date:01.03.2021	6 (Annual)	6 (Annaal)
3	Nickel		ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
£	Benzene-AAQ		μρ/m3	BLQ (LOQ: 0.1	1 IS 5182 Part 11: 2006	5 (Annualy	5 (Annual)
£(Benzo (a) pyrene-A/	٨Q	ng/m ³	BLQ (LOQ: 0.1)	15 : 5182 Part 12: 2004	(Annual)	1 (Annual)
5	Ammonia as NH3		pg/m3	5.23 +	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual
6	Carbon Monoxide (C	:0)	mg/ m ^a	BLQ(LOQ 0.05)	15 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 bours)
7	Nitrogen dioxides as	NO2	pig/m ³	20.7 -	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3		µg/m ⁴	11.84	15 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours
9	Particulate matter (S µm)	ize less than 10	pg/m ³	52.09 .	15 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (S pm)	ize less than 2.5	pg/m³	22.35	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
н.	Sulphur dioxide as S	02	pg/m ³	9.17	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead		µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No. 01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m²- 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.



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TEST REPORT

Page: 1 of 1

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					Report No.	1 HECS/AP/033/250924/N	
Name	of the Client	* M/s. SIPCOT			Sample ID No.	: 250924071	
Addre	ess of the Client	the Client I Theni				: 25/09/2024	
Group		[‡] Atmospheric Pol	lution		Received Date	* 25/09/2024	
Sample Name ¹ Ambient Air					Commenced Date: 25/09/2024		
Sample Mark : Duraiswamipuram					Completed On : 30/09/2024		
Sample Reference : NA					Report Date	\$ 30/09/2024	
Sample	Drawn By	* M/s. Hubert Envi	iro care Systems (P	') L4d.	Sample quanti	IY NA	
Sample	e Location	[‡] NA					
	nmental Condition ng Method & Plan	* Temperature (°C : 15 5182 Part 5 &	2): 32.0 Hum Part 14	idity (%) : 56.0			
S.No.	Test Pa	arameters	Units	Result	ls .	Test Method	
Discip	line : Chemical						
1	TVOC		ppniv	BLQ(LOQ	12075	CS-G/ENV/AAQ/SOP/005 Issue No:01 Issue Date:02:07 2020	

Note:- B1.Q - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.



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1519f2				TEST RE	ULR Report No.	Pag : TC1231024 : HECS/AP/0	
Nan	ic of the Client	# M/s. SIPC	TO		Sample ID No	: 250924072	
Add	ress of the Client	: Theni			Sampling Date	: ; 25/09/2024	
- Marta	reason the contain	, rucai					
Group	8	* Atmospher	ric Pollut	ion	Received Date	: 25/09/2024	
Samp	le Name	* Ambient A	ir		Commenced I	http://www.action.com/2024	
Samp	le Mark	: Upparpatt	i		Completed Or	\$ \$30/09/2024	
	le Reference le Drawn By	= NA			Report Date Ltd. Sample quan	: 30/09/2024	
Envin	le Location sumental Condition ling Method & Plan	: NA : Temperatu : 1S 5182 Pa		32.0 1 Humis art 14	dity (%) : 56.0		
S.Ne	Test Para	meters	Units	Results	Test Method	NAAQ Stan	dards : 2009
Disci	pline : Chemical						
1	Arsenic		ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel		ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/041 Issue No:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ		µg/m3	BLQ (LOQ: 0.1) IS 5182 Part 11: 2006	S (Annual)	5 (Annual)
4	Benzo (a) pyreue-A/	AQ	ng/m ¹	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	I (Annual)	1 (Annual)
5	Ammonia as NH3		12.27m*	8.4	1S 5182 (Part 25) 2018	400 (24 hours)	100 (Annual
6	Carbon Monoxide (0	CO)	mg/ m ^t	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dinxides as	NO2	µg/m²	18.82	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3		$\mu g/m^k$	12.93 -	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours
9	Particulate matter (S µm)	ize less than 10	µg/m ³	51.55	15 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (S µm)	ize less than 2.5	µg/m*	20.34	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as S	02	µg/m ³	13.78	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead		#g/m3	BLQ (LOQ:	HECS-G/INS/SOP/ 041 Issue	1 (24 hours)	0.5 (Annial

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, pg/m3- Micrograms per cubic meter,

(0.002)

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.



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No.:01 Issue Date:01.03.2021

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TEST REPORT

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Page: 1 of 1

TALL COLLABOR ADDRESS AND

No.:01 Issue Date:07:07 2020

				2	Report No.	 HECS/AP/034/250924/N
Name	e of the Client	* M/s. SIPCOT			Sample ID No	: 250924072
Addr	Address of the Client r Theni				Sampling Date	: 25/09/2024
Group		¹ Atmospheric Po	Unition	3	Received Date:	: 25/09/2024
Sample	e Name	* Ambient Air			Commenced Da	ic: 25/09/2024
Sample	e Mark	: Upparpatti			Completed On	30/09/2024
Sample	e Reference	: NA			Report Date	: 30/09/2024
Sample	e Drawn By	: M/s.Hubert Env	iro care Systems (P	9 Ltd.	Sample quantit	Y ^I NA
Sampl	le Location	*NA	2010-01-02 -0 10-01-0250-0			
Enviro	nmental Condition	* Temperature ("C	C): 32.0 Humi	idity (%) : 56.0		
Sampli	ing Method & Plan	: 15 5182 Part 5 &	Part 14	0.00507.002424030.00		
S.No.	Test P	irameters	Units	Results		Test Method
Discip	oline : Chemical					
1	TVOC		ppaiv	BLQ(LOQ	0.1) HE	CS-G/ENV/AAQ/SOP/005 Issue

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

End of Report



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			TEST B	EPORT ULR Report No.	Page 1 TC1231024 1 HECSL/WI	
Nam	e of the Client	: M/s. SIPCOT		Sample ID 1		
Addr	ess of the Client	: Theni		Sampling D	ate : 25/09/2024	
Group	ŭ	: Water		Received D	ate : 25/09/2024	
Samp	le Name	Ground Water		Commences	Date: 25/09/2024	
Sampl	le Mark	: Vayalpatti		Completed	Ou :03/10/2024	
Sampl	le Reference	: NA		Report Date	: 03/10/2024	
Envin	de Location numental Condition ing Method & Plan	NA Temperature (18 17614(Part-		iidity (%) : 55.0	-54865.6599298725	
S.Ne.	Test Parameters	Units	Results	Test Method	15 10500	1:2012
					Acceptable Limits (Max)	Permissible Limits (Max)
Disci	pline : Chemical				1	
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	15 3025 Part 34:See 2: 2021 (Nessterization Method)	0.5	No relaxation
2	Anionic Surface Activ agents as MBAS	e mgđ	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B	0.2	t:
3	Bi carbonate	mg/l	200.0	IS 3025 Part 51: 2001	NA	NA

10 	agents as MBAS	ndba	magnaverust	(Method 5540 B	9.2	10
3	Bi carbonate	-mg/l	200.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 44: 1993	NA	NA
50	Boron as B	mg/l	BLQ(LOQ:0.1)	1S 3025 Part 57 -Cwrcumin Method:2021	0.5	2.4
6	Calcium as Ca	mg/l	40.08	1S 3025 Part 40 1991(EDTA Titrimetric	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
0	Chloride as Cl	mg/l	63.69	IS 3025 Part 32: 1988 (Argentometric	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	4S 3025 (Part4): 2021	5	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissnived oxygen	mg/l	6.6	1S 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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S.No. Test Parameters	Units	Results	Test Met	hod	15 10500 : 2012
Environmental Condition Sampling Method & Plan	Temperature (°C IS 17614(Part-1)	19-19-19-19-19-19-19-19-19-19-19-19-19-1	amidity (%) : 55.0		
Sample Location	NA				
Sample Drawn By	M/s.Hubert Envi	ro care System	s (P) Ltd.	Sample quantit	ty 1 Litres
Sample Reference	: NA			Report Date	: 03/10/2024
Sample Mark	: Vayalpatti			Completed On	: 03/10/2024
Sample Name	: Ground Water			Commenced Da	ne: 25/09/2024
Group	: Water			Received Date	: 25/09/2024
Address of the Client	: Theni			Sampling Date	: 25/09/2024
Name of the Client	: M/s. SIPCOT			Sample ID No	: 250924074
间储毁				Report No.	: HECSL/WT/013/250924
		TEST	REPORT	ULR	Page : 2 of 4 : TC1231024000046426F

S.No.	Test Parameters	Units	Results	Test Method	15 10500	1 2012
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	μS/cm	637.0	1S 3025 Part-14: 2013	NA	NA
14	Fluoride as F	ng/l	0.24	APHA 23rd edition (Method 4500F- B , D): 2017	1.0	1.5
15	Iron as Fe	mg/l	BLQ(LOQ:0.02)	15 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	21.87	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
17	Nitrate as NO3	mgʻi	19.47	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	26.75	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C	2	7.69	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	Pgm	BLQ(LOQ:0.00 1)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Polassium as K	mg/l	4.0	IS 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	meg/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	1.04	IS 11624 ; 2019	NA	NA
24	Sodium as Na	mg/l	33.0	IS 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA



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	TEST REPORT		Page: 3 of 4
The Area and		ULR	: TC1231024000046426F
回行通知法		Report No.	3 HECSL/WT/013/250924
Name of the Client	: M/s. SIPCOT	Sample ID No	: 250924074
		Sampling Date	: 25/09/2024
Address of the Client	: Theni		
Group	Water	Received Date	: 25/09/2024
Sample Name	Ground Water	Commenced Da	ic: 25/09/2024
Sample Mark	: Vayalpatti	Completed On	: 03/10/2024
Sample Reference	: NA	Report Date	: 03/10/2024
Sample Drawn By	: M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantit	ly‡1 Litrea
Sample Location	NA .		
Environmental Condition Sampling Method & Plan	: Temperature (°C) : 32.0 Humidity (%) : 55.0 : IS 17614(Part-1):2021		

S.No.	Test Parameters	Units	Results	Test Method	15 1050	: 2012
			010000 P	1.1000.0000.000	Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO4	mg/l	25.74	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)	200	400
26	Total alkalinity as CaCO3	mg/l	200.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	357.0	IS 3025 (Pan 16): 1984	500	2000
28	Total Suspended Solids	ng/l	BLQ(LOQ:1.0)	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO4	mg/i	0.27	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	0.082	IS 3025 Part 31 Sec I: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO3	mg/l	190.0	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)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barnam	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	ing/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chronwam	mg/l	BLQ (LOQ: 0.01)	USEPA 200,8 : 1994	0.05	No relaxation
37	Copper	myA	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5





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S.No. Test Parameters	Units	Results	Test Met	hod	IS 10500 : 2012
Sampling Method & Plan	: IS 17614(Part-1):	PERIOD VALUE IN CA			
Environmental Condition	: Temperature (°C): 32.0 H	umidity (%) : 55.0		
Sample Location	: NA				
Sample Drawn By	: M/s.Hubert Envir	ro care System	is (P) Ltd.	Sample quantit	ty 1 Litres
Sample Reference	: NA			Report Date	03/10/2024
Sample Mark	: Vayalpatti			Completed On	: 03/10/2024
Sample Name	Ground Water			Commenced Da	te: 25/09/2024
Group	: Water			Received Date	: 25/09/2024
Address of the Client	: Theni			Samping Date	. 25/07/2024
value of the Citent	: M/s, SIPCOT			Sample ID No Sampling Date	: 250924074 : 25/09/2024
Name of the Client	- MAL ETDOVET			Report No.	HECSL/WT/013/25092
高速能				ULR	1 TC1231024000046426F
		TEST	REPORT	22222	Page : 4 of 4

S.Ne.	Test Parameters	Units	Results	Test Method	IS 10500	1 2012
					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	0.3
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/I	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, mg4- Milligrams per litre, NA - Not Applicable.

End of Report



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TEST REPORT

Page: 1 of 1

S.No.	Test Pa	rameters	Units	Results	Test Method
10000000000	ital Condition lethod & Plan	: Temperature (° : IS 17614(Part-1	ALCONTRACTOR AND A CONTRACTOR AND A	ty (%) : 55.0	
Sample Lo		: NA	e		
Sample Dra	wn By	: M/s.Hubert En-	iro care Systems (P)	Ltd. Sample qu	auntity 1 Litres
Sample Ref	enence.	: NA		Report Dat	te : 03/10/2024
Sample Mar	k.	: Vayalpatti		Completed	On : 03/10/2024
sample Nam	ne	Cround Water		Commence	od Date: 25/09/2024
Group		Water		Received I	onc ÷ 25/09/2024
Address of	f the Client	: Theni			
				Sampling I	Date : 25/09/2024
Name of the Client : M/		M/s. SIPCOT		Sample ID	No : 250924074
				Report No.	3 HECSL/WT/013/250924

	and the second strategies and the second strategies and the second strategies and the second strategies and the			
8	Hexavalent Chromium as Cr6+	mg/l	6.6	IS 3025 Part 52: 2003 (Diphenyl
				Carbazide method)

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



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Method & Plan Test Parameters	: IS 17614(Part-1) Units	Results	Test Method		15 10500	2012
Method & Plan	: 15 1/614(Part-1)					
ental Condition		VEDUCATION NO.	idity (%) : 55.0			
		5 - 660 - 7 M - 11	60 - 10 - 60 -			
cawn By		iro care Systems (I	P) Ltd. Sar	nple quanti	ty 1 Litres	
eference	: NA				:03/10/2024	
lark	: Upparpatti		Cor	npleted On	: 03/10/2024	
ame	: Ground Water		Con	nmeneed Da	te: 25/09/2024	
	Water		Rec	eived Date	: 25/09/2024	
of the Client	: Theni		San	ipting Date	: 25/09/2024	
the Client	M/s. SIPCOT				: 250924075	
			Rep	ort No.	HECSL/WT/	014/250924
18.42			UL	R	: TC123102400	00046427F
		TESTR	EPORT		Page	1 of 4
	ame ark climence cawn By .acation ental Condition	of the Client : Theni Water Water Ground Water ark : Upparpatti clienence : NA cawn By : M/s.Hubert Env acation : NA ental Condition : Temperature (%)	the Client : M/s. SIPCOT of the Client : Theni : Water ame : Ground Water ark : Upparpatti efference : NA cawo By : M/s.Hubert Enviro care Systems () acation : NA ental Condition : Temperature (°C) : 32.0 Hum	Image: Second State State Rep the Client * M/s. SIPCOT Same of the Client : Theni Same : Water Rec ame : Ground Water Con ark : Upparpatti Con cference : NA Rep carava By : M/s.Hubert Enviro care Systems (P) Ltd. San accation : NA Rep ental Condition : Temperature (°C) : 32.0 Humidity (%) : 55.0 San	Water Received Date ame Ground Water ark Upparpatti clinence NA cawn By M/s. Hubert Enviro care Systems (P) Ltd. actation NA ental Condition Temperature (°C) : 32.0 Humidity (%) : 55.0	Image: Page: Page

					Acceptable Limits (Max)	Limits (Max)
Disc	ipline : Chemical			M	Second 1	100000000000000
I.	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	Pager	BLQ(LOQ-0.05)	APHA 23rd edition (Method 5540 B , C): 2017	0.2	1
3.	Bi carbonate	mg/l	100.0	15 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as B	mgA	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	24.05	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	ngA	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: 2005	NA	NA
9	Chloride as Cl	mg/l	11.75	1S 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	18 3025 (Part4): 2021	5	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	6.5	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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S.No.	Test Parameters	Units	Results	Test Method	15 10500 : 2012	
	mental Condition g Method & Plan	Temperature (°C IS 17614(Part-1		iidity (%) : 55.0		
2500000	Location	- NA		1 M		
	Drawn By	M/s.Hubert Enviro care Systems (P) Ltd. Sample quantity 1 Litres				
Sample I	Reference	: NA		Report Date	일하는 것 같은 것 같	
Sample !	Mark	: Upparpatti		Completed 0		
Sample !	Name	Cround Water			Date: 25/09/2024	
Group		: Water		Received Di		
Address	s of the Client	: Theni				
000000				Sampling D		
Name o	the Client	M/s. SIPCOT		Sample ID N		
D.	<u> </u>			Report No.	: HECSL/WT/014/250924	
12.	1000			ULR	Page : 2 of 4 : TC1231024000046427F	
234	ほじ目		TEST R	EPORT	Beer 2 and	

S.N#.	Test Parameters Units Results Test Method		15 10500 : 2012			
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/em	262.0	IS 3025 Part-14: 2013	NA	NA
14	Flaoride as F	mg/l	BLQ(LOQ:0.2)	APHA 23rd edition (Method 4500F- B , D): 2017	1.0	1.5
15	Iron as Fe	mg/l	BLQ(LOQ:0.01)	1S 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mgʻi	12.15	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
17	Nitrate as NO3	nyst	4.27	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	8.84	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C	1.18	7.69	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.00 1)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
71	Potassium as K	mg/l	1.0	3S 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	mcq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	0.21	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	5.0	IS 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA



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			TEST	REPORT ULR Report No.	Pag : TC1231024 : HECSL/W	
Name	of the Client	: M/n. SIPCOT		Sample ID N		
Addre	ess of the Client	: Theni		Sampling Di	nic (25/09/2024	
Group	05	: Water		Received Dr	ne 125/09/2024	
Sampl	e Name	¹ Ground Water		Commenced	Date: 25/09/2024	
Sampi	e Mark	: Upparpatti		Completed (Dn ÷03/10/2024	
Sampl	e Reference	: NA		Report Date	:03/10/2024	
Samp Envin	e Drawn By Ie Location immental Condition ing Method & Plan	^I NA	viro care Systems °C) : 32.0 Hui 1):2021	00	unfity ¹ 1 Litres	
S.No.	Test Parameters	Test Paraineters Units Results Test Method		15 10500 : 2012		
			lands mer	2,0110,12,001	Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SOM	mg/l	2.76	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)	200	400
26	Total alkalinity as Cat	:03 mg/l	100.0	1S 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	147.0	15 3025 (Part 16): 1984	500	2000
2.6	Total Suspended Solid	is mg/l	BLQ(LOQ:2.0)	1S 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stamious Chloride method)	NA	NA
30	Phosphorous as P	Ngm	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaC	O3 mg/l	110.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
33	Ansenic	ngn	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxatio
34	Barium	Ngm	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0,7	No relaxation
35	Cadminm	Pagen	BLQ (LOQ: 0,001)	USEPA 200.8 : 1994	0.003	No relaxatio
36	Chromium	ng/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxatio
37	Copper	nggi	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0,05	1,5



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39

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43

Manganese

Mercury

Nickel

Selenium

Zinc



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1	新港目		TEST	REPORT	Pag	e : 4 of 4		
B	1204			ULR	: TC1231024	000046427F		
-	1-22-22-2			Report 1	No. HECSL/W	T/014/250924		
Name	of the Client	M/s. SIPCOT		Sample	ID Nu : 250924075			
				Samplin	g Date ; 25/09/2024			
Addo	ess of the Client	: Theni						
Group	,	- Water		Receive	d Date : 25/09/2024			
Sample Name		: Ground Water	67	Comme	Commenced Date: 25/09/2024			
Sampl	le Mark	: Upparpatti		Complet	Completed On :03/10/2024			
Sampl	le Reference	1 NA		Report I	Dine : 03/10/2024			
Sampl	e Drawn By	: M/s.Hubert Es	wiro care Systems	(P) Ltd. Sample	Sample quantity : Litres			
Samp	le Location	= NA	Ster III Start Labor	Caller and				
Envir	onmental Condition	⁴ Temperature (°C): 32.0 Hui	midity (%) : 55.0				
Sampl	ing Method & Plan	: IS 17614(Part-	1):2021					
S.No.	Test Parameters	Units	Results	Test Method	1S 1050	0:2012		
					Acceptable Limits (Max)	Permissible Limits (Max)		
31	Lead	mg/l	BLQ (LOQ	USEPA 200.8 : 1994	0.01	No relaxation		

0.01)
Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit,
mg/l- Milligrams per litre, NA - Not Applicable.

0.005)

BLQ (LOQ:

0.01)

BLQ (LOQ:

0.0005)

BLQ (1.00)

0.01)

BLQ (LOQ:

(0.005)

BLQ (LOQ:

mg/l

mg/l

mg/l

mg/l

mg/l

End of Report

USEPA 200.8 : 1994

USEPA 200.8 : 1994.

USEPA 200.8 : 1994

USEPA-200.8: 1994

USEPA 200.8: 1994

0.1

100.0

0.02

0.01

5

0.3

No relaxation

No relaxation

No relaxation

15



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TEST REPORT

Page: 1 of 1

					Report No.	HECSL/WT/014/250924/N	
Name of the	Client	3 M/s. SIPCOT			Sample ID No	: 250924075	
					Sampling Date	: 25/09/2024	
Address of t	he Client	: Theni					
Group		: Water			Received Date	1 25/09/2024	
Sample Nume		Ground Water			Commenced Dat	a : 25/09/2024	
Sample Mark		: Upparpatti			Completed On	: 03/10/2024	
Sample Refer	ence	INA			Report Date	: 03/10/2024	
Sample Draws	n By	: M/s.Hubert Enviro care Systems (P) Ltd.			Sample quantity 1 Litres		
Sample Loca	ation	: NA					
Environmenta	d Condition	: Temperature (°	C): 32.0 Humidi	ty (%) : 55.0			
Sampling Met	thod & Plan	: IS 17614(Part-1):2021	100000000000000			
S.No.	Test Pr	irameters	Units	Result	s	Test Method	
Discipline :	Chemical						

Discipline : Chemical					
ľ	Hexavalent Chromium as Cr6+	ng/l	BLQ(LOQ:0.01)	1S 3025 Part 52: 2003 (Diphenyl Carbazide method)	

Note:- BLQ - Below the Limit of Quantification, LOQ-Limit of Quantification, mgl - Milligrams per liter.

""End of Report""

CAR onna

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100000 0000000000000000000000000000000	Patrone 1 1		249 4 CO Co			Accentable Limits	Permissible
S.Na. Test Para	meters	Units	Resubts	Test Meth	od	LS 10500	2012
Sampling Method & P	2011 C 312 C 40			addry (747 1 3338			
Environmental Conditi	ion : Temper	ature (%	3: 32.0 Hun	idity (%) : 55.0			
Sample Location	: NA						
Sample Drawn By	: M/s.Hu	bert Envi	iro care Systems (P) Ltd.	Sample quantity 11 Litres		
Sample Reference	: NA				Report Date : 03/10/2024		
Sample Mark	: Duraisy	vamipur:	100		Completed On	03/10/2024	
Sample Name	[‡] Ground	Water			Commenced D	ute: 25/09/2024	
Group	* Water				Received Date	: 25/09/2024	
Address of the Clien	t : Theni					6 18740380808080	
	7 10 20 10 10				Sampling Date	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Name of the Client	3 M/s, SI	PCOT			Sample ID No		1131430944
而洋安史					Report No.	HECSL/WT/	
100000					ULR	: TC12310240	
110.00			TEST R	EPORT		Deere	1 of 4
目的新史目							

					Acceptable Limits (Max)	Permissible Limits (Max)
Disc	ipline : Chemical	11	· · · · · ·		A	
1	Ammonia as NH3	ngA	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B , C): 2017	0.2	1
3	Bi carbonate	mg/l	280.0	IS 3025 Part 51: 2001	NA	NA
4	Hiological Oxygen Demand (BOD)@ 27°C For 3 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 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	64.13	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	1S 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	15 3025 Part 58: 2006	NA	NA
9	Chioride as CT	mg/l	53.89	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Pari4): 2021	5	15
11	Cyanide as CN	mgЛ	BLQ(LOQ:0.01)	15 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	nsg/l	6.5	1S 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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mentioned.
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 J. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of set report.
 J. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of set report.
 J. Unless specifically requested by one or misuse of test report after invoicing or issue of test report.
 J. The test results relate only to the test items.
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					٨	(Max)	Permissible Limits (Max)	
5.No.	Test Parameters	Units	Results	Test Method		15 10500	: 2012	
	ig Method & Plan	: IS 17614(Part-1)		iany (70) : 3350				
1.1.1.1.1.1.1.1.1	mental Condition	¹ Temperature (°C	") - 32.0 Hum	idity (%) : 55.0				
- C.	Location	[÷] NA	0.0000000000000000000000000000000000000	S.R. (1997) (1997)	28603470117	60.548.0581.8565.7		
Sample	Drawn By	1 M/s. Hubert Env	iro care Systems (P) Ltd. Sam	Sample quantity 1 Litres			
Sample	Reference	: NA		Repo	ort Date	hate : 03/10/2024		
Sample	Mark	: Duraiswamipur:	8.03	Com	pleted On	:03/10/2024		
Sample	Name	: Ground Water		Com	menced Dat	a: 25/09/2024		
Group		: Water		Rece	ived Date	1 25/09/2024		
Addres	s of the Client	: Theni		Samp	aling Date	: 25/09/2024		
Name o	of the Client	¹ M/s, SIPCOT	M/s. SIPCOT			250924076		
ΠK	State -			Repo	ut No.	HECSL/WT	/015/250924	
100	14 B B B B B B B B B B B B B B B B B B B			ULF	Ł	: TC12310240	000046428F	
			TEST R	EPORT		Page	: 2 of 4	

5.No.	Test Parameters	Test Parameters Units Results Test Method		Test Method	15 10500 : 2012		
					Acceptable Limits (Max)	Permissible Limits (Max)	
13	Electrical Conductivity at 25°C	µS/cm	867.0	IS 3025 Pari-14: 2013	NA	NA	
14	Fluoride as F	mg/l	0.39	APHA 23rd edition (Method 4500F- B., D): 2017	1.0	1.5	
15	Iron as Fe	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part 53): 2003	1.0	No relaxation	
16	Magnesium as Mg	ngđ	34,02	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100	
17	Nitrate as NO3	ngd	41.37	APHA 23rd edition (Method 4500 NO3B); 2017	45	No relaxation	
18	Percent Sodium	36	15.65	HECS /WT/SOP/002:: 2019	NA	NA	
19	pH at 25°C	1.1	7.67	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation	
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.00 I)	15 3025 Part 43 Sec 1: 2022	0.001	0.002	
21	Potassium as K	mg/l	2.0	1S 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA	
22	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA	
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	0.65	1S 11624 : 2019	NA	NA	
24	Sodium as Na	mg/I	26.0	18 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA	



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	TEST REPORT		Page : 3 of 4
正 在 在 书 书		ULR	: TC1231024000046428F
回诊理学校		Report No.	: HECSL/WT/015/250924
Name of the Client	M/s. SIPCOT	Sample ID No	: 250924076
		Sampling Date	: 25/09/2024
Address of the Client	: Theni	6991753	
Group	: Water	Received Date	25/09/2024
Sample Name	- Ground Water	Commenced Da	nc: 25/09/2024
Sample Mark	: Duraiswamipuram	Completed On	: 03/10/2024
Sample Reference	: NA	Report Date	:03/10/2024
Sample Drawn By	7 M/s.Hubert Enviro care Systems (P) Ltd.	Sample quanti	ly ¹ 1 Litres
Sample Location	NA NA		
Environmental Condition	Temperature (°C): 32.0 Humidity (%): 5	5.0	
Sampling Method & Plan	: IS 17614(Part-1):2021		
C.N. Test Parameter	a Dalta Basalta Teat	Mathed	PR LANDA CARLS

S.No.	Test Parameters	Units R	Results	Text Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as \$O4	mg/l	73.44	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)	200	400
26	Total alkalimity as CaCO3	mg/l	280.0	15 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	485.0	IS 3025 (Part 16): 1984	500	2000
2.8	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO4	mg/l	BLQ(LOQ-5.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
10	Phosphorous 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	1S 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)	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	ngA	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chransium	mg/l	BLQ (LOQ: 0.61)	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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目标在目	TEST REPORT		Page : 4 of 4
Contraction of the second		ULR	: TC1231024000046428F
		Report No.	: HECSL/WT/015/250924
Name of the Client	: M/s. SIPCOT	Sample ID No	: 250924076
		Sampling Date	: 25/09/2024
Address of the Client	: Theni	2010	
Group	: Water	Received Date	: 25/09/2024
Sample Name	: Ground Water	Commenced Da	de: 25/09/2024
Sample Mark	: Duraiswamipuram	Completed On	: 03/10/2024
Sample Reference	: NA	Report Date	: 03/10/2024
Sample Drawn By	: M/s.Hubert Enviro care Systems (P) Ltd.	Sample quanti	ty 1 Litres
Sample Location	NA .		
Environmental Condition	¹ Temperature (°C) : 32.0 Humidity (%) : 55.0	j	
Sampling Method & Plan	: IS 17614(Part-1):2021		
C No. Test Parameter	s Unies Besules Vair Ma	and and	TO LANDA ANTA

S.Nu,	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					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	0.3
40	Mercuey	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	Paym	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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TEST REPORT

Page: 1 of 1

				Report No.	⁺ HECSL/WT/015/250924/N
Name of the Client		: M/s. SIPCOT		Sample ID N	lo : 258924076
				Sampling Da	ne : 25/09/2024
Address of 1	the Client	: Theni			
Group		: Water		Received Da	nc : 25/09/2024
Sample Name		Ground Water		Commenced	Date: 25/09/2024
Sample Mark		; Duraiswamipu	r a m	Completed (http://www.com/action/2024
Sample Reference		: NA		Report Date	: 03/10/2024
Sample Draw	m By	: M/s.Hubert En	viro care Systems (P)	Ltd. Sample qua	intity 71 Litres
Sample Loca	ation	÷NA			
Environmenta	al Condition	: Temperature (°C): 32.0 Humidi	ty (%) : 55.0	
Sampling Met	thod & Plan	: 1S 17614(Part-	1):2021	1553.151.0000	
S.No.	Test Pa	maineters	Units	Results	Test Method
Contraction of the second	Concert of Concerts of Concerts	the second s	A		

Discipline : Chemical					
1 Hexavalent Chromänn	as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52: 2003 (Diphenyl Carbazide method)	

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

End of Report



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			TE	ST REPORT	ULR : TC123102	ge : 1 of 4 /4000046429F /T/016/250924
Name	of the Client	‡ M/s. SIPCOT			Sample ID No : 250924077	
Addre	as of the Client	: Theni			Sampling Date : 25/09/2024	*
Group		: Water			Received Date # 25/09/2024	4
Sample	Name	Surface Water	÷		Commenced Date # 25/09/2024	4
Sample	Mark	: Kamarajapur	am surface wa	ter	Completed On :03/10/2024	4
Sample	Reference	= NA			Report Date #03/10/202	4
	Drawn By	1 M/s.Hubert E	oviro care Sys	tems (P) Ltd.	Sample quantity 1 Litres	
Enviro Sampli	e Lucation nmental Condition ng Method & Plan	: IS 17614(Part		Humidity (%) :		
S.No.	Test Pa	Test Parameters		Results	Test Method	Surface water Standards (IS 2296 Class-A
Discip	line : Chemical					
1	Ammonia as NH3		mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bi carbonate		mg/l	90.0	1S 3025 Part 51: 2001	NA
3	Biological Oxygen l 27°C For 3 days	Demand (BOD)@	mg/l	BLQ(LOQ 2.0)	IS 3025 Part 44: 1993	2
4	Boron as B		mg/l	BLQ(LOQ:0.1)	JS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca		ing/l	18.04	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	80.10
6	Chemical Oxyges I	Demand (COD)	mg/l	BLQ(LOQ:4.0)	15-3025 Part 58: 2006	NA
7	Chloride as Cl		ng/l	44,09	15 3025 Part 32: 1988 (Argentometric Method)	250
8	Colour		Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2023	10
9	Dissolved uxygen		mg/l	0.1	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C		µS/cm	337.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F		mg/t	0.23	APHA 23rd edition Method 4500 F -B,D: 2017	15
12	fron as Fe		mg/l	0,19	IS 3025 Part 53: 2003	0.3
13	Nitrate as NO3		mgA	2.74	APHA 23rd edition Method 4500 NO3B: 2017	20



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23

24

25

Potassium as K

Residual Sodium Carbonate

Sodium Adsorption Ratio(SAR)



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	of the Client	† M/s. SIPCOT : Theni	נג	EST REPORT	Sample ID No Sampling Date	: TC123102 : HECSL/W : 250924077 : 25/09/2024	í.
Group		‡ Water			Received Date	\$ 25/09/2024	4
Sample		Surface Water			Commenced Date		
Sample		: Kamarajaporan	n surface w	ater	Completed On		
	Reference	: NA		200 F 6 F	Report Date Sample quantity	:03/10/202	*
	e Location	# M/s.Hubert Env # NA	iro care Sy	stems (P) Ltd.	Sumple domini	1 Latres	
	nmental Condition		0:32.0	Humidity (%) :	55.0		
Samplin	ng Method & Plan	: 15 17614(Part-1					
S.No.	Test Par	ameters	Units	Results	Test Meth	od	Surface water Standards (IS 2296 Class-A
14	рН м 25°С		9	8.11	IS 3025 Part 11: 2022 (Method)		8.5
15	Total dissolved solid	×	mg/l	189.0	15 3025 Part 16: 1984		500
16	Anionic Surface Acti	ive agents as MBAS	mgA	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B C: 2017		0.2
17	Carbonate		mg/l	BLQ(LOQ:1.0)	1S 3025 Part 51	2001	NA
1.8	Cyanide as CN		mg/l	BLQ(LOQ:0.01)	15 3025 Part 27 sec	c 1: 2021	0.05
19	Magnesium as Mg		mg/l	9.72	18 3025 Part 46: 1994 (Valumetric Method using EDTA)		24,28
20	Percent Sodium		.%	36.19	HECSG /WT/SOP/ No:01,Issue date 18		NA
21	Phenolic compounds	as C6H5OH	mg/I	BLQ(LOQ:0.001)	1S 3025 Part 43:Se	c 1:2022	0.002
22	Phosphate as PO4		mg/l	0.091	APHA 23rd edition M	ethod 4500-P	NA



2.0

BLQ(LOQ:1.0)

1.08

ttog/L

itsg/l

Square root

of (millimole/lit

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15 3025 Part 45: 1993

IS 11624: 2019

IS 11624: 2019

NA

NA

NA

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な影回			T	EST REPORT		Page : 3 of 4 31024000046429F 5L/WT/016/250924
Name	of the Client	* M/s. SIPCOT			Sample ID No 225092 Sampling Date 225/09/	220.822
Addre	ess of the Client	: Theni			sambring room 1 73/03/	2024
Group		: Water			Received Date # 25/09	/2024
1.	Name	Surface Water			Commenced Date : 25/09	/2024
Sample		; Kamarajaporan	n surface w	ater	Completed On # 03/10	- TO TO SA
	Reference	= NA			Report Date #03/10	
1	e Drawn By le Location	I M/s.Hubert Env	iro care Sy	stems (P) Ltd.	Sample quantity #1 Lits	es
Enviro Sampli	nmental Condition ng Method & Plan	* Temperature (*) * IS 17614(Part-1):2021	Humidity (%) : 5	5.0	
S.No.	Test Pa	rameters	Units	Results	Test Method	Surface water Standards (1S 2296 Class-A)
26	Sodium as Na		mg/l	23.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO4		mg/l	11.37	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as C	aCO3	mg/l	90.0	15 3025 Part 23: 1986	NA
20	Total Hardness as C	aCO3	mg/l	85,0	IS 3025 Part 21: 2009	300
30	Total Phosphoreus a	g P	Pageri	0.027	15 3025 Part 31 Sec 1: 2022	NA.
31	Total Suspended Su	lids	mg/l	21.0	IS 3025 Part 17: 1984	NA
32	Turbidity		NIU	9.5	1S 3025 Part 10: 1984	1
33	Amenic		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		nig/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/ī	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.5
38	Lead		mg/l BLQ (LOQ: USEPA 0.005)		USEPA 200.8 : 1994	0,1
39	Manganese		mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.5
40	Mercury		ngA	BLQ (LOQ:	USEPA 200.8 : 1994	0.001



0.0005)

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S.No.	Test Par	rameters	Units	Results	Test Meth	bod	Surface water Standards	
Environment Sampling Me	20.000 Control 10	* Temperatur * IS 17614(Pa	e (°C) : 32.0 r1-1):2021	Humidity (%) : 5	5.0			
Sample Loca		*NA						
Sample Draw	n By	: M/s.Hubert	* M/s.Hubert Enviro care Systems (P) Ltd.			y‡1 Litres		
Sample Refer	ence	= NA	= NA			: 03/10/2024		
Sample Mark		: Kamarajapu	ram surface wa	ter	Completed On	: 03/10/2024		
Sample Name		Surface Wat	er		Commenced Da	Commenced Date # 25/09/2024		
Group		: Water			Received Date	1 25/09/2024		
Address of t	be Client	: Theni			Sampling Date	: 25/09/2024		
Name of the	Chem	M/s. SIPCO	E.		Sample ID No	: 250924077		
TELF-205-2	C326-				Report No.		T/016/250924	
三大学	24C				ULR	: TC1231024	000046429F	
			TE	ST REPORT		Pag	e : 4 of 4	

3.110.	A CSL PARAMETERS	Units	Results	rest sternou	Standards (IS 2296 Class-A)
41	Nickel	ng/t	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
42	Selenium	Pages	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	15

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

End of Report



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TEST REPORT

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Page: 1 of 1

I TRACTORY DESCRIPTION AND ADDRESS OF TAXABLE ADDRESS

					Report No.	1 HECSL/WT/016/250924/N	
Name	of the Client	* M/s. SIPCOT			Sample ID No	: 250924077	
Address of the Client : Theni				Sampling Date	1 25/09/2024		
Group					Received Date	\$ 25/09/2024	
Sample Name # Surface Water					Commenced Date \$ 25/09/2024		
Sample Mark : Kamarajapurans surfa			a surface water		Completed On	+ 03/10/2024	
Sample	e Reference	* NA			Report Date	1 03/10/2024	
Sample	e Drawn By	† M/s.Hubert Env	iro care Systems (I	*) L.t.d.	Sample quantity * 1 Litres		
Samp	le Location	*NA					
	nmental Condition ug Method & Plan	¹ Temperature (° : 1S 17614(Part-1		idity (%) : 55.0			
S.No.	S.No. Test Parameters Units		Resul	ts.	Test Method		
Discip	line : Chemical				10		
1	Hexavalent Chrom	iam	mg/l	BLQ(LOQ	:0.01)	15 3025 Pan 52: 2003	

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

""End of Report""



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			TE	<u>ST REPORT</u>		Page : 1 of 4 1024000046430F JWT/017/250924
Nam	e of the Client	M/s. SIPCOT			Sample ID No : 250924	
Addr	ess of the Client	: Theni			Sampling Date : 25/09/2	624
Group		^z Water			Received Date \$ 25/09/2	024
Sample	e Namie	Surface Water			Commenced Date # 25/09/2	024
Sample	e Mark	: Thandhai Peri	yar Surface w	ater	Completed On \$03/10/2	024
Sampl	e Reference	* NA			Report Date #03/10/2	
	e Drawn By	* M/s.Hubert Er * NA	iviro care Sys	tems (P) Ltd.	Sample quantity 11 Litre	5
Enviro Sampl	le Location mmental Condition ing Method & Plan	: IS 17614(Part-		Humidity (%) :	55.0 Test Method	Surface water
5.040	S.No. Test Parameters		Units	Results	Test Method	Standards (IS 2296, Class-A
Disci	pline 1 Chemical				<u></u>	him este nomen van
1	Ammonia as NH3		mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bi carbonate		ing/1	105.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen 1 27*C For 3 days	Demand (BOD)@	mg/l	BLQ(LOQ 2.0)	IS 3025 Part 44: 1993	2
4	Bornn as B		reg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumi Method)	n NA
5	Calcium as Ca		mg/l	10.04	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	80.10
6	Chemical Oxygen E	enuand (COD)	mg/1	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA
7	Chloride as Cl		mgA	36.74	IS 3025 Part 32: 1988 (Argentumetric Method)	250
8	Colour		Hazen units	BLQ(LOQ:1.0)	1S 3025 Part 4: 2021	10
9	Dissolved oxygen		mg/f	6.3	IS 3025 Part 38: 1989	6
10	Electrical Conductiv	vity at 25°C	µS/cm	294.0	IS:3025 Part 14: 2013	NA
п	Fluoride as F		mg/l	0.23	APHA 23rd edition Method 4500 -B.D: 2017	1.5



0.15

4.48

mg/L

mg/t

COSE D.Anusuya Lab Manager

0.3

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IS 3025 Part 53: 2003

APHA 23rd edition Method 4500

NO3B: 2017

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			TE	<u>ST REPORT</u>	ULR : TC12310	age : 2 of 4 24000046430F WT/017/250924
Name	of the Client	+ M/s. SIPCOT			Sample ID No 25092407 Sampling Date 25/09/202	50)
Addre	ss of the Client	: Theni			manifrant conc. 1 2000/202	
iroup		1 Water			Received Date \$ 25/09/202	14
ample	Name	Surface Water			Commenced Date = 25/09/202	4
ample	Mark	: Thandhai Periy	ar Surface w	ater	Completed On #03/10/202	4
Sample	Reference	: NA			Report Dute \$03/10/202	14
	Drawn By e Location	‡ M/s.Hubert En ∓NA	viro care Syst	tems (P) Ltd.	Sample quantity #1 Litres	
Enviro	nmental Condition ng Method & Plan	† Temperature (* † 15 17614(Part-		Humidity (%) :	55.0	
S.No.	Test Pa	rameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A
14	рН и 25°С			7.61	1S 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solid	ds	mgA	165.0	IS 3025 Part 16: 1984	500
10	Anionic Surface Ac	tive agents as MBAS	mg/i	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B C: 2017	0.2
17	Carbonate		mg/1	BLQ(LOQ 1.0)	IS 3025 Part 51: 2001	NA
18	Cyanide as CN		mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg		mg/I	9.72	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	24.28
20	Percent Sodiam		**	19.84	HECSG /WT/SOP/002 Issue No:01,Issue date 18:12: 2021	NA
21	Phenolic compounds as C6R5OH		mgA	BLQ(LOQ:0.001)	IS 3025 Pan 43:Sec 1: 2022	0.002
22	Phosphate as PO4		mgrī	0.047	APHA 23rd edition Method 4500-P B,D: 2017	NA
23	Potassium as K		mg/l	1.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate		mg/l	BLQ(LOQ:1.0)	IS 11624. 2019	NA
25	Sodium Adsorption	Ratio(SAR)	Square root of	0.80	15 11624: 2019	NA



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CONSTRUCTION OF ADDRESS OF ADDRESS

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		TEST REPORT		ULR = TC1231	Page : 3 of 4 024000046430F /WT/017/250924	
Name	of the Client	[‡] M/s, SIPCOT			Sample ID No ± 2509240 Sampling Date ± 25/09/20	
Addra	ess of the Client	t Theni			Sampung Date 125/09/20	24
Group		: Water			Received Date \$ 25/09/20	24
Sample	Name	Surface Water			Commenced Date # 25/09/20	
Sample		: Thandhai Periya	ar Surface	water	Completed On \$03/10/20	200
	e Reference	INA	115-7110-012-		Report Date = 03/10/20	(T) (T)
	e Deawn By le Location	I M/s.Hubert Env	iro care Sy	stems (P) Ltd.	Sample quantity 1 Litres	
Enviro	umental Condition ng Method & Plan	* Temperature (*) * IS 17614(Part-1		Humidity (%) : 55	.0	
S.No.	Test Pr	trainglers	Units	Results	Test Method	Surface water Standards
26	Sodium as Na		mp/l	17.0	15 3025 Part 45: 1983	(IS 2296 Class-A) NA
27	Sulphate as SO4		mg/3	10.37	1S 3025 Part 24 Sec 1/ 2022	400
28	Total alkalinity as 0	CaCO3	mg/l	105.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as 0	CuCO3	mg/I	85.0	1S 3025 Part 21: 2009	300
30	Total Phosphorous	as P	mg/l	BLQ(LOQ 0.02)	1S 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Se	olids	mg/l	7.0	IS 3025 Pan 17: 1984	NA
32	Turbidity		NTU	3.4	IS 3025 Part 10: 1984	L
33	Arsenic		mgA	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
34	Barium		mg/I	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	Ú.
35	Codmiam		mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.001
36	Chromium		engs/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∕t	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
39	Manganese		mg/l	BLQ (1.0Q: 0.01)	USEPA 200.8 : 1994	0.5
	and the second sec		and the second se	come and the second provide the second second second second second	A second s	



BLQ (LOQ:

0.00051

mg/l

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USEPA 200.8: 1994



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Test Parameters	Units	Results	Test Met	hod	Surface water	
idition [‡] Temperature (* & Plan [‡] IS 17614(Part-	2010 1 20 C 4 A	Humidity (%): 55	5.0			
¹ NA						
‡ M/s.Hubert En	viro care Sys	tems (F) Ltd.	Sample quanti	Sample quantity \$1 Litres		
= NA			Report Date	:03/10/2024		
: Thandhai Periy	ar Surface w	ater	Completed On	:03/10/2024		
* Surface Water			Commenced Da	Commenced Date # 25/09/2024		
* Water			Received Date	1 25/09/2024		
lient : Theni			souther B room	1		
in invariant cort			Sampling Date	: 25/09/2024		
nt M/s. SIPCOT			Sample ID No	* HECSL/WT/017/250924 1 250924078		
			Report No.			
			ULR	: TC1231024	e:4 of 4	
	TE	ST REPORT		Pas		
		TE	TEST REPORT		r ag	

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
41	Nickel	mg/1	BLQ (LOQ: 0.01)	USEPA 200.8: 1994	NA
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	15

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

End of Report



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TEST REPORT

Page: 1 of 1

					Report No.	1 HECSL/WT/017/250924/N		
Name of the 0	Client	M/s. SIPCOT			Sample ID No	: 250924078		
					Sampling Date	: 25/09/2024		
Address of the Client		: Theni						
Group * Water					Received Date	# 25/09/2024		
Sample Name * Surface Wate					Commenced Da	te + 25/09/2024		
Sample Mark : Thandhai Peri			ar Surface water		Completed On	: 03/10/2024		
Sample Referen	nce	= NA			Report Date	\$ 03/10/2024		
Sample Drawn	Ву	* M/s.Hubert Env	iro care Systems (F) L.t.d.	Sample quanti	W ² 1 Litres		
Sample Locat	ion	* NA	¹ NA					
Environmental Sampling Meth		* Temperature (* * IS 17614(Part-1	C): 32.0 Humi):2021	dity (%) : 55.0				
S.No.	No. Test Parameters		Units	Result	5	Test Method		
Discipline : (Chemical							
I Hexavalent Chromium		mgA	BLQ(LOQ	0.01)	15 3025 Part 52: 2003			

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

***End of Report**



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			TEST RI	EPORT ULR Repor		Page : 1 of 2 = TC1231024000046431F = HECS/PE/019/250924
Nan	ne of the Client	* M/s. SIPCOT		200 (200)	e ID No	: 250924079
Add	ress of the Client	: Theni		Sampl	ing Date	: 25/09/2024
Grou	p	Pollution & Envir	ontacal	Receiv	ed Date	\$ 25/09/2024
Samp	de Name	# Soil		Comm	senced Dat	tc # 25/09/2024
Sample Mark 1 Ne		: Near Project Site		Comp	leted On	+ 03/10/2024
		: NA		Repor	Date	+ 03/10/2024
	le Drawa By	[‡] M/s.Hubert Envir	o care Systems (P) Ltd. Samp	le quantit	y [†] 1 Kg
	ple Location	2 NA				
	ommental Condition ling Method & Plan	* Temperature (°C) * ICARDA:2013	: 30.0 Humi	dity (%) : 50.0		
S.N	o. Test Pa	arameters	Units	Results		Test Method
Disc	ipline : Chemical				11/1	
1	Cadmium		mg/Kg	BLQ (LOQ: 0.1)	HEC	S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chronium		mg/Kg	BLQ(LOQ 0.1)	HEC	CS-G/INS/SOP/042 Issue No.:01 Issue Date:01-03.2021
3						
	Copper		mg/Kg	9.11	HEC	CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Copper Zinc		mg/Kg mg/kg	9.11		CS-G/INS/SOP/ 042 Issue No.:01
	1.000				HEC	 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc		ngs/kg	25:11	HEC FAO	CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008
4	Zinc Suil Texture		ng/kg	25.11 Silt loam	FAO (CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter
4 5 6	Zinc Soil Texture Soil Texture i)Sand		ngg/kg - %	25.11 Silt loans. 22.2	FAO FAO	CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter
4 5 6 7	Zinc Soil Texture Soil Texture i)Sand Soil Texture ii)Silt	y	ng:kg 	25.11 Silt loans. 22.2 67.2	FAO FAO	CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter



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 Unless specifically requested by use or misure of test report after involving or issue of test report.
 The test results relate only to the test items.
 HECS-G/Q/FMT/49

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CERTIFICATION CERTIFICATION



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Name	of the Client	[‡] M/s. SIPCOT	TEST RE	ULI Repo Sam	et No. [‡] HECS/PE/019/250924 ple ID No. [‡] 250924079	
Addre	ess of the Client	: Theni		Sam	pling Date : 25/09/2024	
Sample Sample Enviror		* NA		Com Com Repo Ltd. Sam	eived Date = 25/09/2024 menced Date = 25/09/2024 pleted On = 03/10/2024 art Date = 03/10/2024 aple quantity = 1 Kg	
S.No.	1	arameters	Units	Results	Test Method	
11	Bulk Density		gm/cm3	1.04	FAO of United Nations Rome 2007	
12	Organic Carbon		%	0.35	15 2720 (Part 22) Section 1 1972	
13	Organic Matter		%	0.60	15 2720 (Part 22) Section I 1972	
14	Available Potassiun	n	mEq/100g	5.74	FAO of United Nations, Rome Chapter - HI 2008	
15	Boron as B		my/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Jssue No.01 Issue Date:02:07 2020	
16	Total Nitrogen as N	{	%	0.0088	IS 14684 Chause 4 1999	
17	Exchangable Calcin	um as Ca	mEq/L	17.68	FAO of United Nations, Rome Chapter III 2008	
18	Exchangable Magn	esium as Mg	mEq/L	12.48	FAO of United Nations, Rome Chapter III 2008	
19	Cation Exchange C	apacity	mEq/100g	4.1	IS 2720 (Part 24) Clause 5 1976	
20	Water Holding cap	acity	%	18.6	IS 14765: 2000	
		1		Red	HECS-G/ENV/SSW/SOP/011 Issue	
21	Colour				No.:01 Issue Date:02:07: 2020	

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

End of Report



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TEST REPORT

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Page : 1 of 1

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					Report No.	HECS/PE/019/250924/?
Name of the Client		‡ M/s. SIPCOT			Sample ID No	: 250924079
					Sampling Date	: 25/09/2024
Address of the Client Group Sample Name Sample Mark Sample Reference Sample Drawn By Sample Location		: Theni : Pollution & Environment : Soil : Near Project Site : NA : M/s.Hubert Enviro care Systems (P) Ltd.				
					Received Date	1 25/09/2024
					Commenced Date # 25/09/2024	
					Completed On Report Date	1 03/10/2024 1 03/10/2024
		Sampl	le Location	* NA		
S	nmental Condition	* Temperature ("C) : .	30.0 Humidi	ty (%) : 50.0		
Enviro		APR David - or canada - or	30.0 Humidi	ty (%) : 50.0		
Enviro Sampli	nmental Condition ing Method & Plan	* Temperature (°C) : .	30.0 Humidi Units	ty (%) : 50.0 Resul	is	Test Method
Enviro Sampli S.No.	nmental Condition ing Method & Plan	Temperature (°C) : . : ICARDA:2013			is	Test Method
Enviro Sampli S.No.	nmental Condition ing Method & Plan . Test Pi	Temperature (°C) : . : ICARDA:2013				Test Method HECS-G/INS/SOP/ (H2

3	Infiltration Rate	emfte	4.4	Inhouse method
4	Moisture	%	3.57	HECS-G/ENV/SSW/SOP/003 Issue No.30 Issue Date:02:07: 2020

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



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			<u>TEST R</u>		ULR Report No.	Page : 1 of 2 : TC1231024000046432F * HECS/PE/020/250924
Nam	te of the Client	1 M/s. SIPCOT			Sample ID No	: 250924080
Add	ress of the Client	: Theni		3	Sampling Date	: 25/09/2024
Group	i i i i i i i i i i i i i i i i i i i	· Pollution & Envir	ronment	1	Received Date	\$ 25/09/2024
Sampl	le Name	* Soil			Commenced Da	nc‡ 25/09/2024
Sampl	le Mark	: Vayalpatti			Completed On	:03/10/2024
Sample Reference INA				1	Report Date	:03/10/2024
Samp Envio	le Drawn By ile Location mmental Condition ling Method & Plan	* M/s.Hubert Envir * NA * Temperature (°C) * ICARDA:2013			Sample quanti	IY ² 1 Kg
S.No	and the second second second second	arameters	Units	Results		Test Method
Disci	pline : Chemical			ni.	Wi.	
t	Cadmium		mg/Kg	BLQ (LOQ	0.1) HE	CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium		mg/Kg	BLQ(LOQ (LI) HB	CS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper		mg/Kg	9.11	HE	CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
đ	Zinc		mg/kg	21.54	HEA	CS-G/INS/SOP/ 042 Issue No.:01 Issue Dute:01.03.2021
5	Soil Texture			Silt loam	FAO	of United Nations, Rome Chapter III 2008
6	Soil Texture i)Sand		%	28.2	FAO	of United Nations, Rome Chapter III 2008
7	Soil Texture ii)Silt		%	55.7	PAO	of United Nations, Rome Chapter III 2008
8	Soil Texture iii)Cla	У	%	16.1	FAO	of United Nations, Rome Chapter III 2008
9	pH Value @ 25 * C	(1:2.5)		6.76		IS 2720 (Part 26) 1987
01	Electrical conductiv	vity @ 25 ° C (1 : 2)	µ S/cm	86.0		IS 14767: 2000
		the second se	and the second se			



Lab Manager

D.Anusuya

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.000.92	of the Client	: M/s. SIPCOT : Theni	<u>TEST R</u> F	1 5 5	J LR Report No. Sample ID No Sampling Date	Page : 2 of 2 : TC1231024000046432F ¹ HECS/PE/020/250924 : 250924080 : 25/09/2024
Group		[‡] Pollution & Envir	onment	Б	Received Date	1 25/09/2024
0.000	: Name	‡ Soil		0	Commenced Dat	c = 25/09/2024
Sample Mark : Vayalpatti		: Vayalpatti		0	Completed On	: 03/10/2024
Sample Reference # NA		Contraction of the second second			Report Date	:03/10/2024
	Drawn By e Location	* M/s.Hubert Envir * NA	o care Systems (P)	Ltd. S	Sample quantit	Y [‡] 1 Kg
iampli	nmeatal Condition ng Method & Plan	¹ Temperature ("C : ICARDA:2013	hunder and	lity (%) : 50.0		
S.No.	and the second sec	arameters	Units	Results		Test Method
11	Bulk Density		gm/cm3	86.0	FAC	0 of United Nations Rome 2007
12	Organic Carbon		%	1.04	15	2720 (Part 22) Section I 1972
13	Organic Matter		%	0,47 -	15	2720 (Part 22) Section 1 1972
14	Available Potassium	n	mEq/100g	7.94	FAO	of United Nations, Rome Chapter III 2008
15	Boroo as B		mg/kg	BLQ(LOQ 0		CS-G/ENV/SSW/SOP/018 Issue to:01 Issue Date:02:07 2020
16	Total Nitrogen as N	1	36	0.0097		1S 14684 Clause 4 1999
17	Exchangable Calcin	im as Ca	mEq/L	20.64	EAO e	f United Nations, Rome Chapter III 2008
18	Exchangable Magne	esium as Mg	mEq/L	14,74	FAO	of United Nations, Rome Chapter III 2008
19	Cation Exchange Ci	npacity	mEq/100g	4.2	IS	2720 (Part 24) Clause 5 1976
20	Water Holding capa	wity	%	20.6		1S 14765: 2000
2.1	Colour		12	Red		CS-G/ENV/SSW/SOP/011 Issue
					1.0	lo.:01 Issue Date:02:07: 2020

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

End of Report



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TEST REPORT

Page: 1 of 1

				Report No.	HECS/PE/020/250924/N
Nan	se of the Client	3 M/s. SIPCOT		Sample ID No	: 250924080
				Sampling Date	25/09/2024
Add	ress of the Client	: Theni			
Group Pollution & Environ Sample Name Soil			onment	Received Date	25/09/2024
				Commenced 1	Commenced Date : 25/09/2024
Samp	le Mark	: Vayalpatti		Completed Or	: 03/10/2024
Sample Reference : NA				Report Date	:03/10/2024
Samp	le Drawn By	1 M/s.Hubert Envir	o care Systems (P) 1	.td. Sample quan	tity = 1 Kg
Samp	ole Location	- NA			
	onmental Condition	Temperature (°C) 1 ICARDA:2013	: 30.0 Humidir	y (%) : 50.0	
S.Ne	1	arameters	Units	Results	Test Method
Disc	ipline : Chemical				
1	Manganese		mg/kg	42.75	HECS-G/INS/SOP/ 042
			1. T. M. M. M.		The order of the owner of the
2	Iron		mgikg	2,36	Inhouse method

4 15 HECS-G/ENV/SSW/SOP/003 Issor Moisture 1.62 No.:01 Issue Date:02:07: 2020

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



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			TEST R	UL	.R tort No.	Page : 1 of 2 : TC1231024000046433F [:] HECS/PE/021/250924	
Nan	ne of the Client	[‡] M/s. SIPCOT			nple ID No	1 250924081	
Add	lress of the Client	: Theni		San	npling Date	: 25/09/2024	
Group	p.	: Pollution & Envi	conment	Rec	eived Date	: 25/09/2024	
Samp	ste Nanse	* Soil		Co	numenced Da	nc = 25/09/2024	
Samp	ile Mark	: Kottur		Cor	mpleted On	: 03/10/2024	
Samp	de Reference	: NA	10977			: 03/10/2024	
Samj Envir	ele Drawn By ple Location roumental Condition sling Method & Plau	* M/s.Hubert Envi * NA * Temperature (*C * ICARDA:2013		NATATA ALAN INTERNET ALAN	mple quanti	iy≑1 Kg	
S.N	o. Test Pa	arameters	Units	Results		Test Method	
Disc	ipline : Chemical						
1	Cadminans		mg/Kg	BLQ (LOQ: 0.1) HE	S-G/INS/SOP/ 042 Issue No:01 Issue Date:01.03.2021	
2			11/2/12/02/02/02	Contraction of the second		the second s	
	Chrosnium		mg/Kg	BLQ (LOQ: 0.1) HB	CS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021	
3	Copper		mg/Kg mg/Kg	BLQ (LOQ: 0.1 8.14	747 U.S.C.S.		
3			127/24	0.0000	HE	Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01	
1	Сорры		mg/Kg	8.14	HE	Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021	
4	Zinc		mg/Kg	8.14 31.02	HE HE FAO	Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.;01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.;01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008	
4	Copper Zinc Soil Texture		mg/Kg mg/Kg	8.14 31.02 Loum	HEO HEO FAO FAO	Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter	
4	Copper Zinc Soil Texture Soil Texture ()Sand		mg/Kg mg/kg %	8.14 31.02 Loum 40.2	PAO FAO FAO	Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.;01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.;01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter	
4	Copper Zinc Soil Texture Soil Texture i)Sand Soil Texture ii)Silt	y	mg/Kg mg/Kg %	8.14 31.02 Loum 40.2 40.7	PAO FAO FAO	Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.;01 Issue Date:01.03.2021 CS-G/INS/SOP/ 042 Issue No.;01 Issue Date:01.03.2021 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter	



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 Unless Specifically requested by customer the text items will not be retained more than 15 days from the date of issue of text report.
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 Unless Specifically requested by customer the text items will not be retained more than 15 days from the date of issue of text report.
 Unless Specifically requested by customer text and the retained more text report.
 Some text reports the text items.
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63			TEST RE	PORT	Page: 2 of 2
花坊	Care Service			ULR	: TC1231024000046433F
	通过此			Report	Nu. ‡ HECS/PE/021/250924
Name	of the Client	1 M/s. SIPCOT		Sample	ID No : 250924081
				Sampli	ng Date : 25/09/2024
Addre	ss of the Client	: Theni			
Trinip		Pollution & Envi	ronment	Receiv	ed Date \$ 25/09/2024
Sample Name Sample Mark		* Soll		Comm	enced Date = 25/09/2024
		; Kottur			eted On = 03/10/2024
Sample Reference		: NA		Report	
	Drawn By		ro care Systems (P)	Ltd. Sampl	le quantity 1 Kg
	2 Location	‡NA	NU-122761 11142/00/202	0.00200-02202	
	omental Condition	* Temperature (*C ; ICARDA:2013): 30.0 Humid	ity (%) : 50.0	
S.No.	ng Method & Plan Test Pi	arameters	Units	Results	Test Method
	Contract Street Street	Profession Profession	al all and a second	the state of second	The second se
11	Bulk Density		gra/cm3	1.02	FAO of United Nations Rome 2007
	Bulk Density Organic Carbon		gm/cm3 %	0.48	FAO of United Nations Rome 2007 IS 2720 (Part 22) Section 1 1972
12	The second s				
12	Organic Carbon	nt	%	0.48	IS 2720 (Part 22) Section I 1972 IS 2720 (Part 22) Section I 1972
12 13 14	Organic Carbon Organic Matter	m	% %	0.48	IS 2720 (Part 22) Section 1 1972 IS 2720 (Part 22) Section 1 1972 FAO of United Nations, Rome Chapter
11 12 13 14 15	Organic Carbon Organic Matter Available Potassiur		% % mEq/100g	0.48 0.84 7.54	IS 2720 (Part 22) Section 1 1972 IS 2720 (Part 22) Section 1 1972 FAO of United Nations, Rome Chapter III 2008 HECS-G/ENV/SSW/SOP/018 Issue
12 13 14 15	Organic Carbon Organic Matter Available Potassiun Boron as B	4	% % mEq/100g mg/kg	0.48 0.84 7.54 BLQ(LOQ 0.1)	IS 2720 (Part 22) Section 1 1972 IS 2720 (Part 22) Section 1 1972 FAO of United Nations, Rome Chapter III 2008 HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07-2020 IS 14684 Clause 4 1999
12 13 14 15 16	Organic Carbon Organic Matter Available Potassiur Boron as B Tutal Ninogen as P	V um as Ca	% % mEq/100g mg/kg %	0.48 0.84 7.54 BLQ(LOQ 0.1) 0.0092	IS 2720 (Part 22) Section 1 1972 IS 2720 (Part 22) Section 1 1972 FAO of United Nations, Rome Chapter III 2008 HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02:07-2020 IS 14684 Chanse 4: 1999 FAO of United Nations, Rome Chapter III 2008
12 13 14 15 16 17	Organic Carbon Organic Matter Available Potassiur Boron as B Tutal Nimogen as P Exchangable Calcin Exchangable Magn	v um as Ca uesium as Mg	% % mEq/100g mg/kg % mEq/L	0.48 0.84 7.54 BLQLOQ 0.1) 0.0092 19.24	IS 2720 (Part 22) Section 1 1972 IS 2720 (Part 22) Section 1 1972 FAO of United Nations, Rome Chapter III 2008 HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Dute:02:07-2020 IS 14684 Clause 4 1999 FAO of United Nations, Rome Chapter III 2008 FAO of United Nations, Rome Chapter
12 13 14 15 16 17 18	Organic Carbon Organic Matter Available Potassiun Boron as B Tutal Ninrogen as b Exchangable Calcin	l um as Ca ucsium as Mg 2apacity	% % mEq/100g mg/kg % mEq/L mEq/L	0.48 0.84 7.54 BLQ(LOQ 0.1) 0.0092 19.24 13.12	IS 2720 (Part 22) Section 1 1972 IS 2720 (Part 22) Section 1 1972 FAO of United Nations, Rome Chapter III 2008 HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Dute:02:07-2020 IS 14684 Chause 4-1999 FAO of United Nations, Rome Chapter III 2008 FAO of United Nations, Rome Chapter III 2008
12 13 14 15 16 17 18 19	Organic Carbon Organic Matter Available Potassiun Boron as B Tutal Nimogen as b Exchangable Calcio Exchangable Magn Cation Exchange C	l um as Ca ucsium as Mg 2apacity	% % mEq/100g mg/kg % mEq/100g mEq/100g	0.48 0.84 7.54 BLQ(LOQ 0.1) 0.0092 19.24 13.12 4.0	IS 2720 (Part 22) Section 1 1972 IS 2720 (Part 22) Section 1 1972 FAO of United Nations, Rome Chapter III 2008 HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Dute:02:07-2020 IS 14684 Clause 4 1999 FAO of United Nations, Rome Chapter III 2008 FAO of United Nations, Rome Chapter III 2008 IS 2720 (Part 24) Clause 5 1976

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

End of Report



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TEST REPORT

Page: 1 of 1

				3	Report No.	1 HECS/PE/021/250924/N
Name	of the Client	M/s. SIPCOT		3	Sample ID No	: 250924081
				1	Sampling Date	1 25/09/2024
Addre	ss of the Client	: Theni				
lenup		* Pollution & Environm	ent	1	Received Date	1 25/09/2024
Sample	Name	² Soil			Commenced Da	ie: 25/09/2024
Sample	Mark	: Kottur			Completed On	+03/10/2024
Sample Reference + NA Sample Drawa By + M/s.Hubert En		= NA			Report Date	£03/10/2024
		: M/s.Hubert Enviro ca	Enviro care Systems (P) Ltd. Sample of			quantity * 1 Kg
Sample	Location	* NA				
1000000	unestal Condition og Method & Plas	⁴ Temperature (°C) : 3 ; ICARDA:2013	0.0 Humidi	ty (%) : 50.0		
S.No.	Test P	arameters	Units	Results	s (Test Method
Discip	line : Chemical					
8	Manganese		mgAg	142.96		HECS-G/INS/SOP/ 042
2	Iron		mg/kg	3.54		Inhouse method
3	Infiltration Rate		cm/hr	4.8		Inhouse method
4	Moisture		54	1.67		CS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date:02:07: 2020
						and a state of the

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



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			TEST R	U	ER port No.	Page : 1 of 2 : TC1231024000046434F ¹ HECS/PE/022/250924
Name	of the Client	[‡] M/s. SIPCOT			unple ID No	: 250924082
Addr	ess of the Client	: Theni		S	umpling Date	: 25/09/2024
Group		: Pollution & Envi	ronment	R	seeived Date	* 25/09/2024
Sample	r Name	* Soil		C	onsmenced Da	ic: 25/09/2024
Sample	r Mark	: Duraiswamipura	101	c	ompleted On	+03/10/2024
Sample Reference INA			R	eport Date	: 03/10/2024	
Sampl Enviro	e Drawn By le Location nmental Condition ing Method & Plan	[‡] M/s.Hubert Envi [‡] NA [‡] Temperature (°C [‡] ICARDA:2013			umple quanti	ly ¹ 1 K <u>r</u>
S.No.		stameters	Units	Results		Test Method
Discip	dine 1 Chemical					
1	Cadmium		mg/Kg	BLQ (LOQ: 0.	1) HEC	25-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium		mg/Kg	BLQ (LOQ: 0.	-1) HE	CS-G/INS/SOP/042 Issue No:01 Issue Date:01.03.2021
3	Copper		mg/Kg	9.51	HE	CS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc		mg/kg	31.51	HE	S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture			Clay	FAO	of United Nations, Rome Chapter III 2008
6	Soil Texture i)Sand		٩4	18.6	FAO	of United Nations, Rome Chapter III 2008
7	Soil Texture ii)Silt		%	17.2	FAO	of United Nations, Rome Chapter III 2008
8	Soil Texture iii)Cla	у	%	64.2	FAO	of United Nations, Rome Chapter III 2008
10	pH Value @ 25 * C	(1+25)		7.54		IS 2720 (Part 26) 1987
9	for the first of the second	C1 + mart P.				the manufacture many states



D.Anusuya Lab Manager Authorized Signatory

 The report in full or part shall not be used for any promotional or publicity purpose without writtee consent by HECS organization.
 Samples are not drawn by HECS unless or otherwise mentioned.
 Unless specifically requested by customer the test items will not be retained more than 15 days from the date of lasue of test report.
 Unless specifically use or misuse of test report after invoicing or isoue of test report.
 The test marks relate only to the test items.
 HECS-G/Q/FMT/49

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6	A CONTRACTOR		TEST RE	PORT		Page: 2 of 2
<u>1</u>	129.42			ULI	6	: TC1231024000046434F
	13-22			Repo	rt No.	1 HECS/PE/022/250924
Name	of the Client	1 M/s. SIPCOT		Samp	ale ID No	: 250924082
				Samp	sting Date	: 25/09/2024
Addre	ess of the Client	: Theni				
Group		F Pollution & Env	ironment	Rece	ived Date	: 25/09/2024
Sample	Name	* Soil		Com	menced Du	te = 25/09/2024
Sample Mark : Duraiswamipu		: Duraiswamipur:	110	Com	pleted On	: 03/10/2024
0.1.5.0	Reference	= NA			st Date	+ 03/10/2024
	Drawn By		iro care Systems (P)	Ltd. Sum	ple quanti	ty 1 Kg
	e Location	∓NA				
	nmental Condition ng Method & Plan	* Temperature (*C * ICARDA:2013	1): 30.0 1 Humid	lity (%) : 50.0		
S.No.	Contraction of the second seco	arameters	Units	Results		Test Method
11	Bulk Density		gro/cm3	1.02	EA	O of United Nations Rome 2007
12	Organic Carbon		%	0.32	15	7720 (Part 22) Section 1 1972
13	Organic Matter		%	0.56	15	5 2720 (Part 22) Section I 1972
14	Available Potassiur	n	mEq/100g	6.48	FAO	of United Nations, Rome Chapter III 2008
15	Boron as B		mg/kg	BLQ(LOQ 0.1)	12/17/	CS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02:07 2020
16	Total Nitrogen as N	1	16	8900.0		IS 14684 Clause 4 1999
17	Exchangable Calcis	anı as Ca	mEq/L	16.28	FAO	of United Nations, Rome Chapter III 2008
18	Exchangable Magn	esium as Mg	mEq/L	13.54	FAO	of United Nations, Rome Chapter III 2008
19	Cation Exchange C	apacity	mEq/100g	5.4	15	\$ 2720 (Part 24) Clause 5 1976
20	Water Holding caps	acity	%	20.5		IS 14765: 2000
21	Colour			Black		CS-G/ENV/SSW/SOP/011 Issue
				1		No. 01 Issue Date 02:07: 2020

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

End of Report



D.Anusuya Lab Manager Authorized Signatory

 The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization 2. Samples are not drawn by HECS unless or otherwise meetioned 3. Unless apoctfically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss/damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.
 HECS-G/Q/FMT/49

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3

Infiltration Rate

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TEST REPORT

Page : 1 of 1

Inhouse method

12/10/1

	N 612-12-14 12:15 17 17 17				Report No.	* HECS/PE/022/250924/N
Nam	e of the Client	# M/s. SIPCOT			Sample ID No	: 250924082
Addr	ess of the Client	† Theni			Sampling Date	: 25/09/2024
Group		* Pollution & Env	ironment		Received Date	: 25/09/2024
Sample	e Name	* Soil			Commenced Da	ie‡25/09/2024
Sample	e Mark	: Duraiswamipur	am		Completed On	: 03/10/2024
Sample	e Reference	I NA			Report Date	: 03/10/2024
Sample	e Drawn By	M/s.Hubert Enviro care Systems (P) Ltd.			Sample quantit	y ¹ 1 Kg
Sampl	le Location	*NA				0.00000
Enviro	umental Condition	* Temperature (*)	C): 30.0 Humidi	ity (%) : 50.0		
Sampli	ing Method & Plan	: ICARDA:2013	77.589.885.07.589.069.089 			
S.No.	Test P	arameters	Units	Results	6	Test Method
Discip	dine : Chemical					
1	Manganese		mg/kg	152.34		HECS-G/INS/SOP/ 042
2	Iron		mg/kg	1.56		Inhouse method

4 Moisture 16 1.56 HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Dase:02:07: 2020

3.8

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

cin/lir



OFF D.Anusuya

Lab Manager Authorized Signatory

The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization 2. Samples are not drawn by HECS unless or otherwise
mentioned 3. Unless specifically requested by use or misuse of test report. A linder no circumstances lab accepts any
liability priose/damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.
 IFECS. C/D/EMT/40

HECS-G/Q/FMT/49

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の語回			TEST R	U	LR eport No.	Page : 1 of 2 : TC1231024000046435F ¹ HECS/PE/023/250924
Name	of the Client	7 M/s. SIPCOT		S	ample ID No	: 250924083
Addre	ass of the Client	: Theni		S	ampling Date	: 25/09/2024
Group		+ Pollution & Envir	ronment	R	eceived Date	* 25/09/2024
Sample	Name	* Soil		C	ommenced Da	te = 25/09/2024
Sample	Mark	: Upparpatti		C	ompleted On	+03/10/2024
Sample	Reference	* NA			eport Date	: 03/10/2024
Sampl Enviro	Drawn By e Location nmental Condition ng Method & Plan	* M/s.Hubert Envir * NA * Temperature (°C * ICARDA:2013			ample quanti	y-1 Kg
S.No.		arameters	Units	Results		Test Method
Discip	line : Chemical					
1	Cadmium		mg/Kg	HLQ (LOQ: 0	(t) HEC	'S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
3	Chromium		mg/Kg	BLQ (LOQ: 0	(1) HE	CS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper		mg/Kg	8.60	HEC	S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc		mg/kg	31.05	HE	S-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture			Loum	FAO	of United Nations, Rome Chapter III 2008
6	Soil Texture ()Sand	L	%	37.2	FAO	of United Nations, Rome Chapter HI 2008
7	Soil Texture ii)Silt		%	33.6	FAO	of United Nations, Rome Chapter III 2008
8	Soil Texture iii)Cla	У	%	29.2	FAO	of United Nations, Rome Chapter III 2008
9	pH Value @ 25 ° C	(1:2.5)		7.02		IS 2720 (Part 26) 1987
10	Electrical conductiv	rity @ 25 ° C (1 : 2)	µ S/cm	810.0		IS 14767: 2000



D.Anusuya Lab Manager Authorized Signatory

The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization:
 Somples are not drawn by HECS unless or otherwise
mentioned:
 Users specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report.
 Users specifically requested by use or misuse of test report after invoicing or issue of test report.
 HECS-G/Q/FMT/49

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			10-66910		
			TEST REI	PORT ULR Report	Page 2 of 2 : TC1231024000046435F No. : HECS/PE/023/250924
Name	of the Client	M/s. SIPCOT		Sample	이 가슴 가슴 도 그 말았지 않아? 정말 생성하는 것
Addre	ess of the Client	: Theni		Samplin	ng Date : 25/09/2024
iroup		Pollution & Envir	onment	Receive	ed Date 7 25/09/2024
sample	Name	Soil		Comm	meed Date -: 25/09/2024
iample	: Mark	: Upparpatti		Comple	
Y	Reference	: NA		Report	
	Drawn By	M/s.Hubert Envir	to care Systems (P)	Ltd. Sample	e quantity ¹ I Kg
0.001400	e Location	= NA			
	nmental Condition ng Method & Plan	Temperature (°C) : ICARDA:2013	1: 30.0 Humidi	ty (%): 50.0	
S.No.	T	arameters	Units	Results	Test Method
11	Bulk Density		gm cm1	1.08	FAO of United Nations Rome 2007
12	Organic Carbon		5	0.38	1S 2720 (Part 22) Section 1 1972
13	Organic Matter		۰.	0.56	15 2720 (Part 22) Section I 1972
14	Available Potassiun	th	mEq/100g	6.54	FAO of United Nations, Rome Chapte III 2008
10	Boron as B			 Internet Statistics (1) 	
			mg kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02:07 2020
17	Total Nitrogen as N	5	ng/kg	BLQ(LOQ 0.1) 0.0090	
	Total Nitrogen as N Eschangable Calcin			The second s	No.:01 Issue Date:02:07 2020 15 14684 Clause 4 1990
18.	and the second se	um ail Ca	*u	0.0090	No.301 Issue Date:02:07-2020 IS 14684 Clause 4: 1999 FAO of United Nations, Rome Chapte III 2008
18	Eschangable Calcia	nn ai Ca esium as Mg	"# mEq.L	0.0090 18.24	IS 14684 Clause 4: 1999 FAO of United Nations, Rome Chapte III 2008 FAO of United Nations, Rome Chapte
18 19 20	Exchangable Calcin	nm ail Ca esium as Mg apacity	"a mEq.1. mEq.1.	0.0090 18.24 12.54	No.01 Issue Date:02:07-2020 IS 14684 Clause 4: 1999 FAO of United Nations, Rome Chapte III 2008 FAO of United Nations, Rome Chapte III 2008
17 18 19 20 21 22	Exchangable Calcin Exchangable Magn Cation Exchange C	nm ail Ca esium as Mg apacity	"# mEq.L mEq.L mEq.100g	0.0090 18.24 12.54 4.5	No.:01 Issue Date:02:07 2020 IS 14684 Clause 4 1999 FAO of Linned Nations, Rome Chapte III 2008 FAO of United Nations, Rome Chapte III 2008 IS 2720 (Part 24) Clause 5 1976

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

End of Report



D.Anusuya Lab Manager Authorized Signatory

1. The report in full or part shall not be used for any promotional or publicity purpose without written connect by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by container the text items will not be retained more than 15 days from the date of issue of text report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of text report after invoicing or issue of text report. 5. The text results relate only to the text items. HECS-C/O/EMT/49

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TEST REPORT

Page: 1 of 1

					Report No.	[‡] HECS/PE/023/250924/N
Name	of the Client	M/s. SIPCOT			Sample ID No	: 250924083
					Sampling Date	; 25/09/2024
Addre	ess of the Client	: Theni				
iroup		+ Pollution & Envir	onment		Received Date	\$ 25/09/2024
Sample	Name	* Soil			Commenced Da	te 1 25/09/2024
Sample	Marik	: Upparpatti			Completed On	* 03/10/2024
Sample Reference INA		: NA		Report Date		\$ 03/10/2024
Sample	Drawn By	: M/s.Hubert Envir	o care Systems (P	Sample quanti	ty 1 Kg	
Sampb	e Location	¹ NA				
10000	nmental Condition ng Method & Plan	* Temperature (°C) 1 ICARDA:2013	: 30.0 Humic	lity (%) : 50.0		
S.No.	Test P	trameters	Units	Result	8	Test Method
Discip	dine : Chemical					
1	Manganese		mg/kg	147.21		HECS-G/INS/SOP/ 042
2	fron		mg/kg	BLQ(LOQ	0.1)	Inhouse method
3	Infiltration Rate		cm/hr	5.2		Inhouse method
4	Moisture		%	1.24		CS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020

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



D.Anusuya Lab Manager Authorized Signatory

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

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Name of th Address of Group Sample Name Sample Mark Sample Refer Sample Draw Sample Loca Invironmenta	the Client : Theni : Atmospheric Pol : Ambient Noise L : Noise ence : NA n By : M/s.Hubert Envi tion : NA I Condition : Temperature (%C	evels (Excluding vibration) (Env) ro care Systems (P) Ltd.	ULR Report No. Sample ID No Sampling Date Received Date Commenced Da Completed On Report Date Sample quantit	30/09/2024 30/09/2024
S.No	hod & Plan : 1S 9989;1981 Sampling Locatio	Day Noise level		Night Noise level in dB (A)
ţ	Project Site	50.1		41.6
2	Near Vayalpatti	51.4		43.8
3	Kottur	52,3		42.4
4	Duraiswamipuram	53.2		44.6

Noise Standards - CPCB:

Upparpatti

5

- F	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).
111.	Residential Area	: Day Time-55 dB (A);	Night Time-45 dB (A).
îv,	Silence Zone	: Day Time-50 dB (A);	Night Time-40 dB (A).

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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.

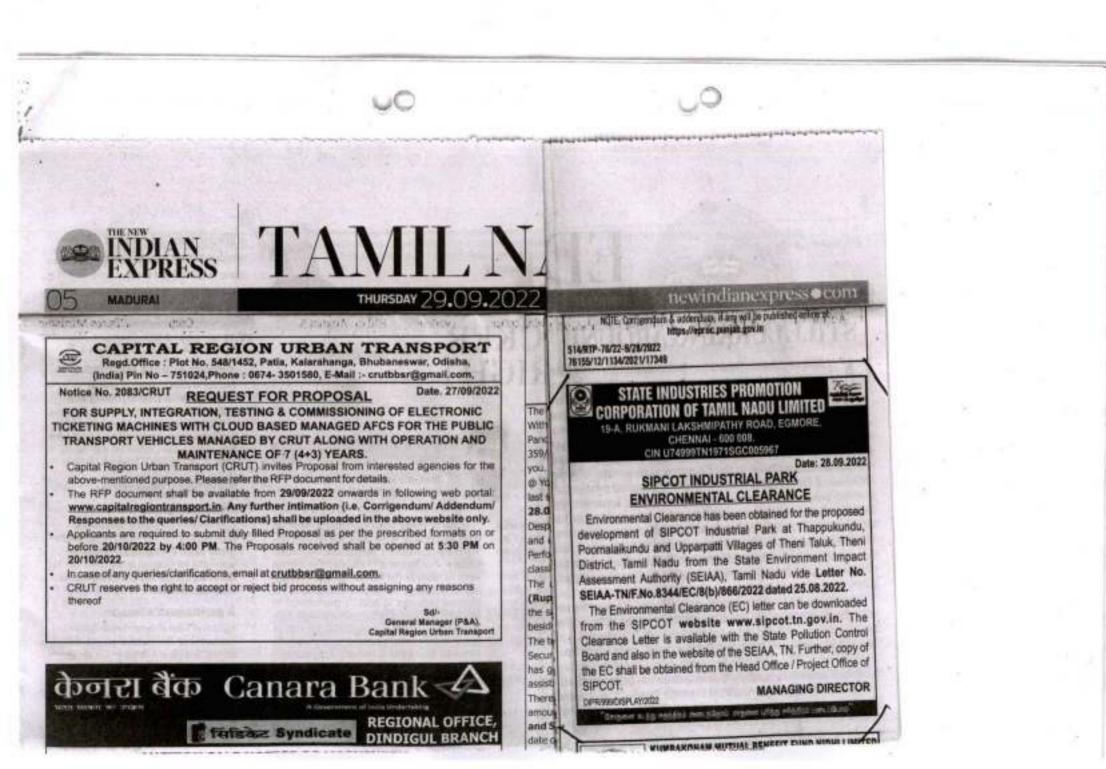


D.Anusuya Lab Manager Authorized Signatory

44.1

The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization 2. Samples are not drawn by HECS unless or otherwise functioned 3. Unless specifically requested by customer the tast items will not be retained from than 15 days from the date of issue of text report. 4. Under no circumstances tab accepts any liability or loss/damage caused by use or misuse of text report after involving or issue of text report. 5. The text results relate only to the test items.
 IFECS-G/O/FMT/49





Annexure - 6



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

PROJECT OFFICE: SIPCOT INDUSTRIAL PARK, THENI.

3-1-110 A4, Cumbum Main Road, Palanichettipatty - 625 531,

Theni Taluk, Theni District.

Email ID: pothn@sipcot.in

CIN: U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No. 7223, Egmore, Chennai - 600 008. Phone : 044-45261777 Fax : 044-45261796 Website: www.sipcot.tn.gov.in GST. Reg. No: 33AAACS4643J1ZF

Ref. No: PO/SIP/Theni/EC/2022

Date:06.10.2022

Consultant (Environment), SIPCOT Ltd, Chennai -600 008.

Sir,

Sub: SIPCOT Industrial Park, Theni – Environmental Clearance obtained from SEIAA – Submission of EC to Local Body Acknowledgement submitted - Reg.

Ref: Projects-III/EIA/Theni/ECC/2002, Dated:28.09.2022.

In the above letter reference cited, Environmental Clearance obtained from SEIAA submitted to Local Body and their Acknowledgements are enclosed here with this letter.

This is submitted for favour of kind information please.

SIPCOT, THENI.

Encl.: Original Copy of Acknowledgements.



Projects-III/EC/ Theni/Cir-LB/2022

Date: 27.09.2022

The President, Upparpatti Village Panchayat, Theni Taluk, Theni District, Tamil Nadu.

Sir,

- Sub: SIPCOT Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu – Submission of Copy of Environmental Clearance (EC) issued by SEIAA – Reg.
- Ref: EC Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022

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 Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District over an extent of 189.39 Hectares (467.97 Acres). The copy of EC has been enclosed here with for your kind perusal.

> Sd/-MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

Gr. Sheul GENERAL MANAGER (P-III)

3/10/2022

PRESIDENT UPPARPATTY PANCHAYAT

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

CIN_U74999TN1971SGC005967 Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No 7223, Egmore, Chennai - 600 008 Phone : 45261777 Fax: 45261796 Website : www.siocol.in.gov.in



Projects-III/EC/ Theni/Cir-LB/2022

Date: 27.09.2022

The President, Thappukundu Village Panchayat, Theni Taluk, Theni District, Tamil Nadu.

Sir,

- Sub: SIPCOT Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu – Submission of Copy of Environmental Clearance (EC) issued by SEIAA – Reg.
- Ref: EC Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022

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> Sd/-MANAGING DIRECTOR

Encl; As above.

/Forwarded by Order/

GENERAL MANAGER (P-III)

President Thappukundu Panchayat Leni Dt, Tamilnadu 675536

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking) CIN_UZ4999TN1911SGC005607

Regd Office 19-4. Rukmani Lakshmipathy Road. Post Box No 7223. Egimoral: Channal - 600.008 Phone: 45261777. Fax: 45261796. Website: Science Exposure



Projects-III/EC/ Theni/Cir-LB/2022

Date: 27.09.2022

The President, Kattunaickenpatti Village Panchayat, Theni Taluk, Theni District, Tamil Nadu.

Sir.

- Sub: SIPCOT Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu – Submission of Copy of Environmental Clearance (EC) issued by SEIAA – Reg.
- Ref: EC Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022

.....

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Sd/-

MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

GENERAL MANAGER (P-III)

COPY DECEMPED ATL GARLES MULLY MITTE தேனி வராட்கி ஒன்றியம்

State Industries Promotion Corporation of Tamil Nadu Limited

'(A Government of Tamil Nadu Undertaking) CN 074399TN10715GC005967

Regel Office: 19-A. Rukmani Lakstimipathy Road, Post Box No 7223, Egmare, Chennal - 600 008 Planne 45761777, Fax: 45261796, Website: www.sipcof.tn.gov.in

Annexure 7

Home	Ab	sut Us Why SIPCOT 7	Land Information	Industrial Parks	Special Projects	Tendets	Resources	Logim	Contect 1	
	29	Thoothukudi - II		Theo	thukudi	# Download				
	30	Nomili		Kanc	heepuram	A Download				
	31	Marudhandapalli (Hosur Phase-IV)		Krish	nagin	A Downland				
	32	Mambakkam		Kanc	heepuram	A Downland				
<	33	Theri		Then	()	*Download				
	34	Virudhunagar		Virud	hunagar	4 Download				
	35	Nedumpuli		Ranip	et	A Commissed				
	36	A. Sathanur		Kalla	kurichi	A Download				
	37	Vaniamaliee		Thiru	vallur	A Download				
	38	Varapatti		Coim	balore	Liowrised.				
	39	Dharmapuri		Dhan	napuri	A Commission				

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

From

Er. S.JAMES AROCKIASAMY, B.E., M.Tech Executive Engineer, Project Formulation Division, Madural. To Project Officer, SIPCOT, Theni.

Lr. No. 16921/F. SIPCOT/THAPPUKUNDU/PF Dn/MDU /2021 dt.16.09.2021 Sir,

TWAD Board – providing 5.00 MLD water supply to SIPCOT industrial complex, Thappukkundu in Theni district-Land for WTP -3 acre of land – allotment-requested -reg
 Managing Director TWAD Board, Chennal vide Lr No:F-SIPCOT- Nilakottal/AE7/PDC/2020- Dt 06.07.2021 Managing Director, SIPCOT, Chennal. Lr.No.IWD/WC/Thenl/WS/2021 Dt.03.03.2021

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With the reference cited, I would like to convey you that the prefeasibility report for providing 5MLD of water supply to the upcoming SIPCOT complex at Thappukundu has been submitted to Head Office, TWAD Board, Chennai with Mullai Periyar river near Markkayankottai in Theni district as source. It is proposed to provide the Water Treatment Plant in the proposed SIPCOT premises, since no suitable poromboke land is available near the source or en route. The land required for setting up of WTP about 3.00acres with preferable dimensions of 100mx125m may kindly be allocated for setting up of WTP and the land may be handed over to TWAD Board at the earliest.

I request you to remit the requisite upfront investigation charges of Rs 11.00Lakhs immediately to this division so as to take up the investigation and DPR preparation works early for this project.

The remittance S/B account of our division in Bank of India, Mattuthavani Branch, Madural is 82631010008234 and the IFSC Code is BKID0008353.

Also I request you to furnish the necessary consent letter from competent authority agreeing to the following Terms of Reference (ToR) at the earliest.

- 1) to entrust the project as 100% Deposit work to TWAD Board
- to remit the entire project cost in one lumpsum on receipt of intimation from TWAD Board.
- 3) to enter into an MoU in this regard on finalization of DPR.
- to obtain permission from Government for drawal of water from Mullai perlyar river, if necessary
- to bear the excess project cost if any arising during actual implementation on receipt of intimation from TWAD Board.

Encl: copy of the first page of BOI Passbook-1No

TWAD Board, PF Division, Madurai.

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கள், வாப்பி பிகபற்றிய செய்து / SMS மன்னை நீதி விளம்பறம், Same anily, and Ladscanes, endupe day, contants unsurespecto ביישוא המשט השמים השינים השניים ביישור ביישוא ביישו ביישו

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सावधान

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Warning

Beware of fictitious offers, messages / SMS about lottery winnings, cheap fund offers, employment offers, scholarship offers, offer of emigration visas, offer of admission to reputed universities abroad and similar such offers from traudsters either within the country or from abroad.

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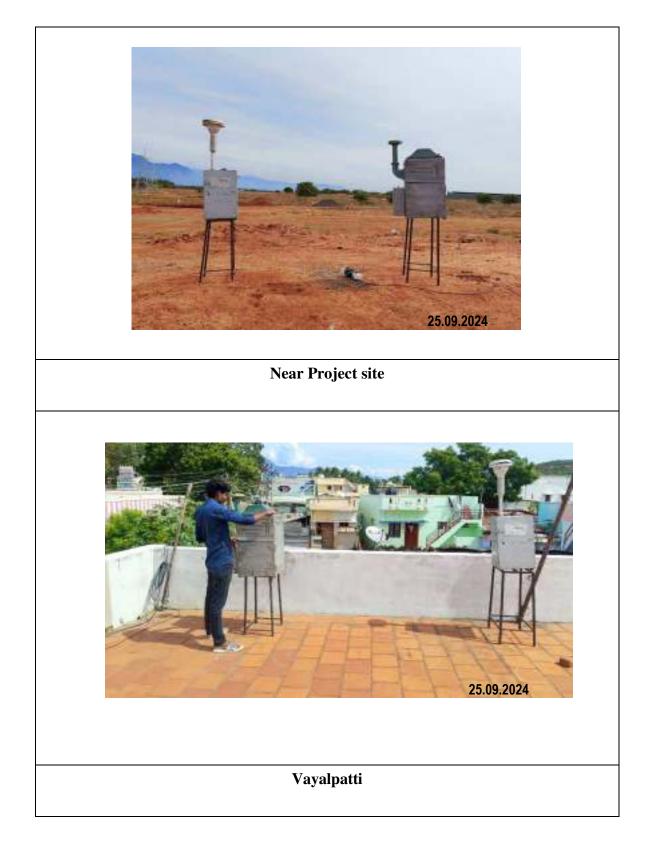
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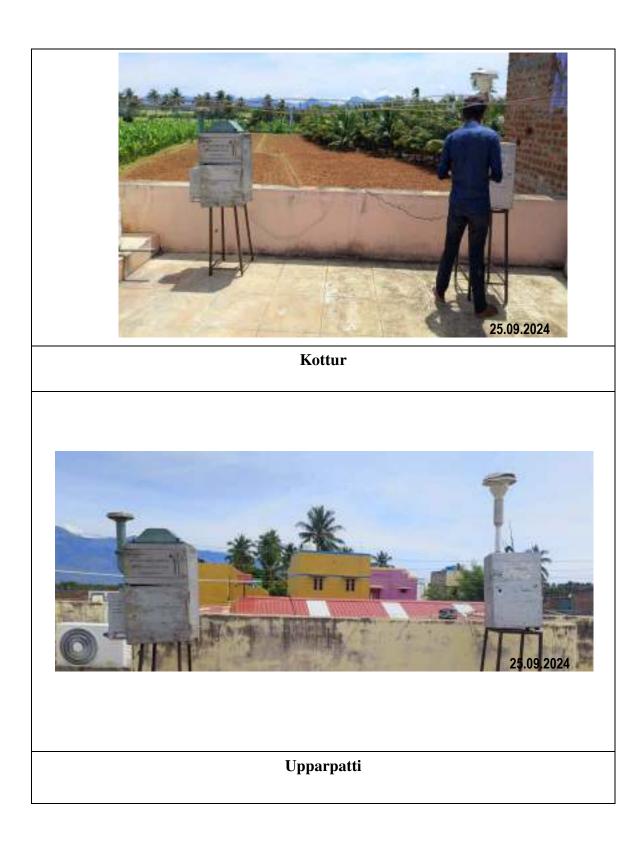
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SIPCOT – THENI MONITORING PHOTOS

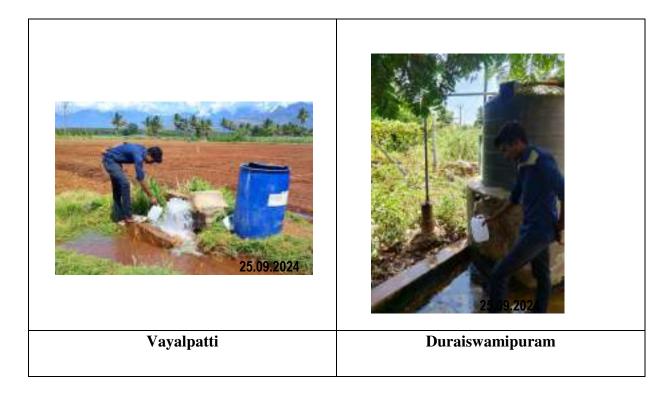
AMBIENT AIR QUALITY MONITORING PHOTOS:







Ground water sampling photos



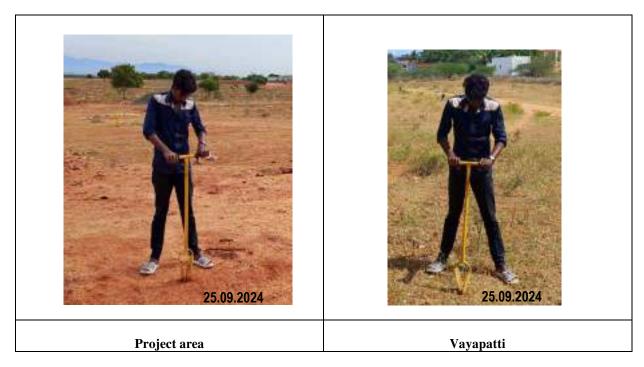


Surface water sampling photograph





Soil sampling photograph

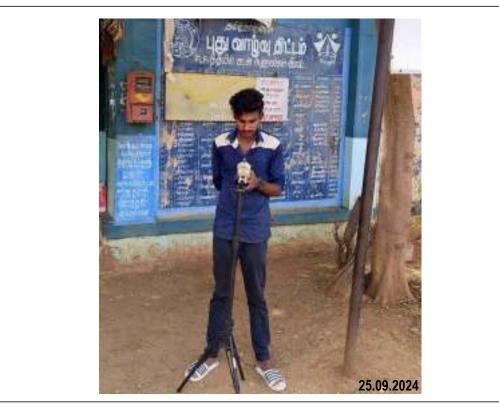






Noise monitoring photograph





Upparpatti

Annexure 10

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

Date: 30.09.2024

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

Sir,

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

Ref: SEIAA EC Letter No.SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022.

With reference to the above, we hereby submit the Environmental Statement in Form-V as prescribed under the Environmental (Protection) Rules, 1986 and its subsequent amendment in respect of SIPCOT Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages in Theni Taluk, Theni District, Tamil Nadu for the Financial Year ending 31st March 2024.

> Yours faithfully, Sd/-MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

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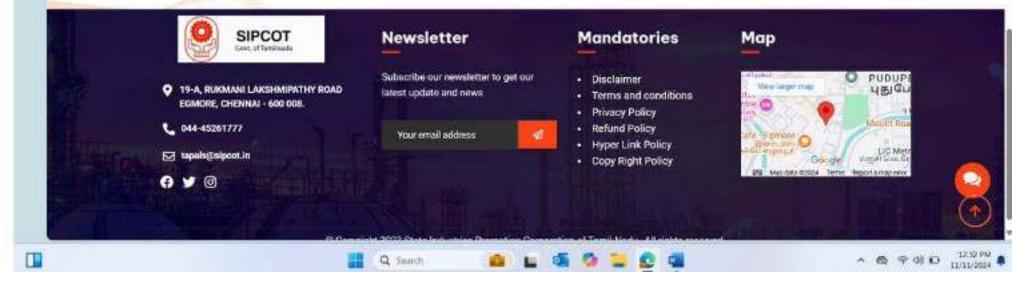
ASSISTANT GENERAL MANAGER (P-IV)

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Annexure 11

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	8	Com	rpliance Report - Tindivan		& Download					
	9	Con	Compliance Report - Manallur for June 2024					& Downinad		
	10	Com	Compliance Report - Vallam Vadagai I for June 2024							
	11	Con	Compliance Report - Thoothukudi for June 2024							
	12	Con	Compliance Report - Nemili for June 2024							
	13	Com	Compliance Report - Mambakkam for June 2024							
3	14	Con	Compliance Report - Marudhandapalli for June 2024							
	15	Con	Compliance Report - Theni for June 2024							
	16	Com	Compliance Report - A.Sathanur for June 2024							
	17	Com	Compliance Report - Nedumpulii for June 2024							
	18	Com	Compliance Report - Virudhunagar for June 2024							
	19	Envi	ironmental Statement for	the Financial Year - 2023 - 202	24			A Download		
			SIPCOT Good, of Tanahada CMANI LAKSHMIPATHY R CHENNAI - 600 008.		newsletter to get our	Mandatories Disclaimer Terms and condition Privacy Policy	ons		O PUDUPI មន្ត្រាទីប	

Home	About	Us Why SIPCOT ?	Land Information	industriai Parka	Special Projects	Tenders	Resources	Logios	Contact D
	13	Compilance Report - Mambak	kam for June 2024				& Deventoar	6	
	14	Compliance Report - Marudha	indapalii for June 2024				& Download	1	
	15	Compliance Report - Theni for	June 2024				di Downlood	t.	
	16	Compliance Report - A Sothan	ur for June 2024				& Downlood	6	
	37	Compliance Report - Nedump	ulli for June 2024				& Other loss	6	
<	18	Compliance Report - Virudhur	lagar for June 2024				& Download		





P-III/EC/Theni/CER/2024

Dated: 08.03.2024

To,

Thiru. S. Anand, I.F.S., Deputy Director, Megamalai Division, Srivilliputhur Megamalai Tiger Reserve (SMTR), Theni.

Sir,

- Sub: SIPCOT Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu over an extent of 189.39 Ha. (467.97 Acres) – Compliance of SEAC Condition in the Environmental Clearance – Intimation on transfer of fund towards CER activity – Reg.
- Ref: 1. EC Issued by SEIAA vide Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022

2. Your office vide Letter C .No. L/10657/2020 dated 16.12.2023

In the reference 1st cited, the State Environment Impact Assessment Authority (SEIAA) has issued Environmental Clearance (EC) for the proposed Development of Industrial Park at Thappukundu, Poomalalkundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu over an extent of 189.39 Ha. (467.97 Acres).

In the Environmental Clearance issued by SEIAA, under the Specific Condition of SEAC, S.No.19 ,the below has been stipulated:

19. As accepted, the PP shall remit Rs. 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.

Wherein your letter ref 2nd cited, pointing out the above specific condition imposed in the EC, requested SIPCOT to transfer a sum of Rs. 2,00,00,000/-(Rupees Two Crores Only) to the 'SRIVILLIPUTHUR MEGAMALAI TIGER RESERVE TIGER CONSERVATION FOUNDATION TRUST TAMILNADU' account and ensure the EC Compliance.

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

CIN: U74999TN1971SGC005967 Regd. Office: 19-A. Rukmani Lakshmipathy Road. Post Box No.7223, Egmore, Chennal - 600 008.

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



/2/

In this regard, we hereby inform that we have transferred a sum of Rs.2,00,00,000/- (Rupees Two Crores Only) to "SRIVILLIPUTHUR MEGAMALAI TIGER CONSERVATION FOUNDATION TRUST TAMILNADU" as online payment (Transaction ID: S95553501) on 08.03.2024, under Corporate Environment Responsibility (CER) activity towards the EC compliance of SIPCOT Industrial Park, Theni. The online payment receipt is enclosed with this letter for your kind reference.

Hence, we request you to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals, as stipulated in the Environmental Clearance.

Thanking You

Yours faithfully,

GENERAL MANAGER (FINANCE).

Encl: As above.

Copy to: The Chief Conservator of Forests and Field Director, Srivilliputhur Megamalai Tiger Reserve (SMTR), Madurai.

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking) CIN: U74999TN1971SGC005967

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

	tion Details
Trans	saction Details
Account Number:	321901001423
Transaction Date:	08-03-2024 00:00:00
Transaction Amount:	INR 2,00,00,000.00
Debit/Credit:	Debit
Cheque Number :	-NIL-
Transaction Description :	INF/NEFT/035558776401/B ARB0VJMADU/Srivilliputh urM
Transaction ID:	S95553501

Transaction Remarks :

Transaction Balance : INR|2.2813161259E8 lote: This is an electronically generated receipt and does not need any signature.