HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the period of April 2024 - September 2024

For

"Establishment of Industrial Park"

At

Vallam, Vadagal and Budanur Villages, Sriperumpudur Taluk, Kancheepuram District, Tamil Nadu.

EC OBTAINED Vide Letter No. SEIAA/TN/F-660/EC/8(b)/198/2012 dt.20.08.2013 Submitted by



M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU

LTD

19/A, Rukmani Lakshmipathy Road, Egmore, Chennai - 600008.

Prepared by



HUBERT ENVIRO CARE SYSTEMS (P) LTD CHENNAI

ENVIRONMENTAL CONSULTANT

November 2024

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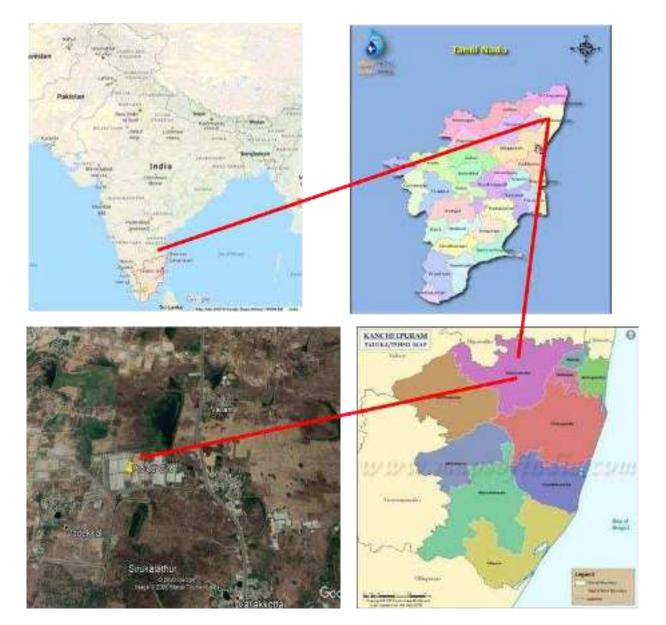
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1. **PROJECT DETAILS**

Name of the Project	Vallam - Vadagal Industrial Park
Name of the Proponent	M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)
Location	Vallam, Vadagal and Budanur Villages, Sriperumpudur Taluk, Kancheepuram District, Tamil nadu.
EC. No.	SEIAA/TN/F-660/EC/8(b)/198/2012 dt. 20.08.2013 (Enclosed as Annexure-1)
Area Details	464.10 ha
Water Requirement	6810 KLD Source: CMWSSB (Chembarampakkam Lake/TTRO Water)
Project Cost	Rs.240 Crores

2. LOCATION MAP



3. SITE PHOTOGRAPHS









4. SIX MONTH ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

PART A- SPECIFIC CONDITIONS

I. Construction Phase

Construction Phase Not applicable since construction is completed.

Consent to Establishment has been obtained from TNPCB and CTE copy is enclosed as

Annexure 2.

Individual Industries are mandated to obtain CTE & CTO.

PART B-OPERATION PHASE

S.NO	CONDITION	STATUS OF COMPLIANCE
1.	SIPCOT shall ensure that the water bodies shall	Condition is being complied. W ater bodies will
	be kept in their natural course without any	be kept in their natural course and will not be
	change in its alignment, direction, capacity etc.	disturbed.
	during entire operation phase of the project.	
2.	SIPCOT shall also ensure that the catchment	Condition is being complied. Catchment area of
	area of the adjacent lakes shall not be disturbed	the adjacent lakes will not be disturbed.
	or realigned or redistributed or restricted etc	
	during the entire operation phase of the project	
3.	No bund shall be formed around the premises of	Condition is being complied. There is no
	SIPCOT which obstruct the rain water flow to	formation of bund around the premises of
	the lakes located abetting the Industrial Park.	SIPCOT.
4.	SIPCOT shall mandated all member units	SIPCOT has mandated all member units to have
	ensure that the treated sewage/ trade effluent	their own ETP with Zero Liquid Discharge
	collection, storage and Reuse system shall not	system and to handle their own domestic waste
	have any access at any cost, to the water bodies.	water as per the prescribed standards. Surface
	All precautionary steps shall be effectively	water quality monitoring report is enclosed as
	taken and shall be continuously monitored by	Annexure - 3.
	the Developer so as to prevent the leach ate or	
	discharge of the treated sewage/ trade effluent	
	into canal/ Lakes.	

5.	The irrigational rights of the lands/land owners	Condition is being complied.
	whose lands are not yet acquired should not be	
	either disturbed or denied for any reasons; it	
	should be ensured that they get not only	
	required and eligible water supply to their patta	
	lands, but also should have free access to their	
	respective lands.	
6.	SIPCOT shall ensure that only after	The land was acquired under the provisions of
	Rehabilitation & Resettlement i.e., after making	land Acquisition Act for Industrial purpose. We
	payment to all the land owners as per law, the	have strictly followed all the provisions
	land can be allotted to the member industries.	mentioned in the Act while acquiring the land.
7.	The lands under litigation shouldn't be sold /	Condition is being complied.
	handed over to any industry till the judgement is	
	finalised and delivered in favour of SIPCOT by	
	the concerned court.	
8.	SIPCOT shall ensure that the Green Belt	Greenbelt is being developed with native
	Development as committed including the	indigenous species. The Individual Industries
	premises owned by the individual industries and	also developing Green Belt within their plot.
	a saving clause in the allotment/sale deed	The Greenbelt photograph is attached as
	executed with every industry shall be provided.	Annexure – 12.
0	GIDCOT 1.11	Condition is being condition SUBCOT will not
9	SIPCOT shall ensure that no CETP/CMSW TSF	Condition is being complied. SIPCOT will not
	shall be provided for the sewage, trade effluent,	develop CETP/CMSW TSF. Individual
	municipal solid waste generated from the	Industries are mandated to have their own ETP
	individual industries except the facilities for the	and STP.
	collection, storage and Reuse of the treated	
	sewage/ trade effluent by member units.	

10.	SIPCOT shall ensure that no allotment letter/	Condition is being complied.
	sale deed in any form shall be made to house	
	category A or B industry as prescribed in the	
	schedule of EIA notification 2006. However it	
	is liberty to the Developer to make fresh	
	application for EC before the concerned	
	authority if the Developer so desires to allot /	
	sale the industrial plot for the individual	
	industry to house category A or category B type	
	of industry as prescribed in the schedule of EIA	
	notification 2006 for fresh Environment	
	Clearance (EC).	
11.		Condition is being complied.
	industries that do not attract the provision of	
	EIA Notification 2006 as committed.	
12.	The water requirement shall be met from the	Condition complied. The water requirement is
	Chembarambakkam Lake (TTRO water)	being met from the TTRO plant (Koyambedu)
	through CMW SSB as committed, by SIPCOT.	and Chembarambakkam Lake through CMW
		SSB. CMW SSB allotment letter is enclosed as
		Annexure - 4.
13.	The measures contemplated in the EIA report	Condition noted.
	shall be adhered to by the SIPCOT.	
14.	Treated sewage shall conform to the norms &	SIPCOT has mandated to all member units to
	standards prescribed by the Tamil Nadu	have their STP to handle their own sewage
	Pollution Control Board.	water as per the prescribed standards.
15.	There shall be no discharge of treated sewage/	Condition is being Complied. SIPCOT has
	trade effluent outside the Pre Industrial Park at	mandated to all member units to have their own
	any time.	ETP with zero liquid discharge system and to
		handle their own domestic waste water as per
		the prescribed standards.
16.	No drawl of ground water is permitted within	Condition is being Complied. SIPCOT has
	the SIPCOT Industrial Park premises during	mandated to all member units not to draw
	construction/operation phase.	ground water within their premises.

17.	SIPCOT shall mandate the member units of the	Condition is being Complied. All the member
	Industrial Park to discharge emissions within	units are instructed to follow applicable rules
	permissible limits only and to install adequate	and guidelines.
	AP measures and to allot 30% of the plot area	
	for green belt development and to install rain	
	water harvesting structures.	
18.	SIPCOT shall mandate that all its unit shall	Condition is being Complied. SIPCOT has
	furnish separate plan of action for disposal of	mandated the individual industries to have their
	treated sewage during monsoon months such as	own STP for handling the domestic sewage as
	optimal I minimized usage of water, regulate the	per the prescribed standards.
	application of treated sewage to avoid	
	stagnation etc.	

SIPCOT as well as its member units shall mandated to comply the following conditions

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	Organic converter shall be installed for treating	Condition is being complied. Individual
	the organic waste and sludge from septic tank and	Industries are instructed to have their own
	the treated mass shall be used as manure.	solid waste management system.
2.	The SIPCOT shall ensure that rainwater	Individual industries shall comply with.
	collected from the covered roof of the building	
	etc., shall be scientifically harvested so as to	
	ensure the maximum beneficiation of rain water	
	harvesting.	
3.	SIPCOT shall mandate all its member units that	Individual industries shall comply with.
	Rain water harvesting for surface run-off, should	
	be filtered before recharging the surface run off,	
	pre- treatment with screens, settles etc. must be	
	done to remove suspended matter, oil and grease.	
4.	The proponent should also ensure to keep	Condition complied.
	necessary road width as per O.M.dated 7.2.12 of	
	MoEF, GOI, New Delhi with respect to high rise	
	buildings.	
5.	The Plastic wastes shall be segregated and	All the member units are instructed to
	disposed through authorized recyclers.	follow applicable rules and guidelines.
6.	A First Aid Room shall be provided with	All the member units are instructed to
	qualified personnel during operation of the project.	comply with.
7.	Adequate fire protection equipments and rescue	All the member units are instructed to

	arrangements should be made.	follow applicable rules and guidelines.
8.	A separate cell shall be formed and kept in	Condition complied. Separate
	readiness with suitable trained personnel for	environmental management cell has been
	handling of fire fighting equipments I operations	assigned and will report to the General
		Manager, SIPCOT who will report directly
		to the Head of the Organization for
		implementation monitoring and compliance
		of the environmental safeguards. Details of
		Environment Cell with Organogram and
		responsibilities are enclosed as Annexure-
		5.
		Further, individual industries will have
		qualified trained personnel for handling of
		fire fighting equipments I operations.
9.	The acoustic enclosures shall be installed at all	All the member units are instructed to
	noise generating equipments such as DG sets, air	follow applicable rules and guidelines.
	conditioning systems, etc. and the noise level shall	Tonow appreade rules and gardennes.
	be maintained as per MoEF / CPCB / TNPCB	
	guidelines / norms both during day and night time.	
10.	The green belt design along the periphery of the	Condition is being complied.
	plot shall achieve attenuation factor conforming to	
	the day and night noise standards prescribed for	
	residential land use. The open spaces inside the	
	plot shall be suitably and scaped and covered with	
	vegetation of suitable variety.	
11.	Application of solar energy should be incorporated	Individual industries shall comply with.
	for illumination of common areas, lighting for	
	gardens and street lighting in addition to provision	
	for solar water heating. A hybrid system or fully	
	solar system for a portion of the buildings shall be	
	provided.	
12.	Traffic congestion near the exit points from the	Condition is being complied.
	roads adjoining the Proposed project site shall be	
	avoided Parking shall be fully internalized and	
	no public space should be utilized.	
13.	A report on the energy measures conforming to	The proposed project is an establishment of
	energy conservation norms prescribed by the	industrial park which involves provision of

	Bureau of Energy Efficiency shall be prepared	roads, storm water drains, greenbelt, Power
	incorporating details about building materials &	supply, water supply, etc. The member
	technology, R & U factors etc and submitted to	units will be instructed to follow applicable
	the SEIAA in three month's time.	rules and guidelines.
14.	Incremental pollution loads on the ambient air	Condition is being complied.
	quality, noise and water quality shall be	Environmental monitoring report is
	periodically monitored after commissioning of the	enclosed as Annexure - 3.
	project.	
15.	SIPCOT shall collect periodical water samples in	Condition Noted. Ground water and Surface
	the adjacent lakes and sufficient well water	water quality monitoring report is enclosed
	samples atleast once in 3 months for physio-	as Annexure - 3.
	chemical and biological analysis and shall keep	
	the baseline data for record. The compiled	
	annual Report of Analysis shall be forwarded to	
	TNPCB to ascertain the changes in the quality of	
	the lake water, if any followed by remediation /	
	action.	
16.	NOC from Forest Department / Chief Wildlife W	Not applicable.
	arden should be obtained for reserve forests or	
	W ild Life Sanctuaries located within 10 Km	
	radius from the boundary of SIPCOT area before	
	allotting land to member industries	

PART C GENERAL CONDITIONS

(Construction and Operation stage)

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	It is mandatory for the Project proponent to furnish	Condition is being complied.
	to the SEIAA, Half yearly compliance report in Hard	
	and Soft copies on 1st June and 1st December of	
	each calendar year in respect of the conditions	
	stipulated in the prior Environmental Clearance.	
2.	In the case of any change(s) in the scope of the	Condition noted. There is no
	project or in the product mix, a fresh appraisal by	change in scope of the project.
	the SEAC/SEIAA shall be obtained.	
3.	The SEIAA reserves the right to add additional	Condition noted.
	safeguard measures subsequently, if found nail	
	compliance of EC conditions and to take action	
	including revoking of this Environmental Clearance	
	as the case may be.	
4.	All other statutory clearances such as the approvals	Individual member units are
	for storage of diesel from Chief Controller of	mandated to obtain all necessary

	Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life(Protection) Act, 1972, State / CMW SSB, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.	statutory clearances and approvals.
5.	The project authorities should advertise with basic details at least in two local newspaper widely circulated one of which shall be in the vernacular language of the locality within 7 days of issue of clearance and a copy of the clearance with the State Pollution Control Board and also at website of, SEIAA, TN and a copy of the same should before awarded to the Regional Office of the MoEF located at Bangalore.	Condition complied. Newspaper advertisement copy is enclosed as Annexure- 6.
6.	Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent, if it was found that Construction of the project has been started without obtaining Environmental Clearance, and for action for any violation of any condition stipulated in the Environmental Clearance.	Condition noted.
7.	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, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Condition is being complied. Screenshot of compliance report uploaded in website is enclosed as Annexure - 7.
8.	A copy of the clearance letter shall be sent by the proponent to the Block Development Officer and the Local NGO if any, from whom suggestions/ representations, if any, have been received while processing the proposal. The clearance letter shall also be put on the website of the proponent.	Condition complied. A copy of the clearance letter has been submitted to Block Development Officer and copy of the same is enclosed as Annexure -8 . Clearance letter has also been uploaded to our website and it is enclosed as Annexure - 9 .
9.	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 contractions	Individual industries shall comply with.

	due to exposure to dust and take corrective measures, if needed.	
10.	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.	Condition is being complied by member units.
11.	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.	Condition complied. Separate environmental managemen cell has been assigned and will repor to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmenta safeguards. Details are given as Annexure - 5 .
12.	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Bangalore.	Condition Noted.
13.	The Regional Office of the Ministry located at Bangalore 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 <i>I</i> information <i>I</i> monitoring reports.	Condition will be complied.
14.	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bangalore, the respective Zonal Office of Central Pollution Control Board, SEIAA, TN and the State Pollution Control Board.	Condition is being complied.
15.	The environmental statement for each financial year ending 31st March in Form- V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules,1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bangalore by e-mail.	Condition is being complied. Acknowledgement for submission of Form – V to TNPCB is enclosed a Annexure – 10.

16.	The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to	Condition Noted. All the member units are instructed to follow
	obtain other statutory and administrative clearances from other statutory and administrative authorities.	applicable rules and guidelines.
17.	This Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance	Condition Noted.
18.	The SEIAA, TN may alter above conditions or stipulate any further condition in the interest of environment protection.	Condition Noted.
19.	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA notification,2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate\ data for obtaining the environmental clearance.	Condition Noted.
20.	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.	Condition Noted. SIPCOT shall comply with all the conditions of EC.
21.	The above 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 ,010 framed under MMDR Actn1957,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 relating to the subject matter.	Condition Noted.
22.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	No appeal lies against this environmental clearance.

5. ENVIRONMENTAL MONITORING DETAILS

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

5.1 Ambient Air Quality monitoring

During construction phase, particulate matter and gaseous emissions are likely to arise from the site movement of vehicles, operation of DG sets etc., the ambient air quality parameters such as suspended Particulate matter (PM10), Respirable Particulate matter (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx), Ammonia, Ozone and Carbon monoxide were monitored. The test report of ambient air quality for the period of April 2024 to September 2024 is enclosed as **Annexure - 3**.

5.2 Ambient Noise level monitoring

Ambient noise levels were monitored and the test report of ambient noise recorded during the period of April 2024 to September 2024 is enclosed as **Annexure - 3**.

5.3 Soil quality monitoring

Soil samples were collected and analyzed for nutrients and heavy metals. The test report of soil samples collected and analyzed during the period of April 2024 to September 2024 is enclosed as **Annexure - 3**.

5.4 Ground water quality monitoring

Ground water was tested for various water quality parameters during the period of April 2024 to September 2024. The test report of bore well water collected and analyzed is enclosed as **Annexure- 3**.

5.5 Surface water quality monitoring

The surface water was collected and tested for various water quality parameters during the period of April 2024 to September 2024. The test report of surface water collected and analyzed is enclosed as **Annexure- 3**.

6. CONCLUSION

1. 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 complied / being complied.



Name: Dr. Rajkumar Samuel Designation: Director Technical Company Name: Hubert Enviro Care Systems Private Limited

Annexure

DR. H.MALLESHAPPA ,I.F.S., MEMBER SECRETARY



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, TAMILNADU,

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

Letter No. SEIAA/TN/F-660/EC/ 8(b)/198/2012 dt . 20.08.2013

To '

The Principal Secretary/Chairman and Managing Director, SIPCOT, 19/A, Rukmani Lakshmipathy Road, Egmore, Chennai-600 008.

Sir,

Sub: SEIAA, TN - Environmental Clearance - Proposed project of Vallam -Vadagal Industrial Pathcoversan extent of 464.10 ha (1146.31 acres) in Vallam, Vadagal fund Budanur Villages, Sriperumpudur Taluk, Kancheepuram District under Category "B1" and Schedule S.No. 8(b) by The Principal Secretary/Charman and Managing Director, M/s. SIPCOT - Issued - Regarding

Ref:

 Your application for EC dt. 6.12.2012 submitted to SEIAA, TN
 T/O. letter No. SEIAATN/F.No.660/M-XXXIX/TOR-121/2012. dt. 17.05.2013

मध्यम्बदेवः जन्मध्य

3. T/O. letter No. SEIAA-TN/F.No.660/M-XXXIX/TOR-121/2012/ Amendment/2013. dt 406/2013

4. Your letter No. P & SP Wallam - Vadagal/2012 dt. 19.07.2013

5. Minutes of the 42nd SEAC meeting held on 24.07.2013 & 25.07.2013

6. Minutes of the 84th SEIAA meeting held on 19.08.2013

This has reference to your application dated 6.12.2012 submitted to the State Level Environment Impact Assessment Authority, Tamil Nadu seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006.

It is noted, interalia, that the project proposal is for the infrastructural development of an Industrial Park at S.F.Nos. listed vide Annexure of Vallam, Vadagal and Budanur Villages, Sriperumpudur Taluk, Kancheepuram District as per the application submitted. The total area of development is 464.10 ha (1146.31 acres) and is exclusively for industries that do not attract the provisions of EIA notification 2006. The member units will be required to take consent from the TNPCB, individually.

As a developer, the SIPCOT has proposed to provide infrastructure facilities like road, water and other amenities . SIPCOT proposes to allot only developed plots to the potential industries based on the comprehensive assessment of investment, technology,

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MEMBER SECRE SEIAA -TN

employment, expert, compliance to environmental regulations, etc and to insist them to maintain ZLD in accordance with the TNPCB norms. The cost of the project is Rs. 240 Crores. The breakup of the total area is tabulated as below:

S.No.	Area Breakup	Area in acres 899.32	
	Member industries		
2	Roads	101.98	
	Common facilities like	10.60	
3	TNEB		
4	Electrical installation-TNEB	16.80	
	OSR/ Green belt development	117.61	
	Total	1146.31 acres	

Water requirement of the project during construction phase is 10,00,000 litres which shall be met by SIPCOT from the existing pipeline leading to Oragadam Industrial Growth Centre. Total Waterrequirement for the operation phase is 6810 KLD which will be met from CMWSSB(TTRO water).

The member industries will be mandated to have their own STP for treating sewage. SIPCOT will have septic tank and soak pit to treat sewage from the project office and security establishments. The allotted units will be mandated by the SIPCOT to put up ZLD based Effluent treatment Plants for treating trade effluents and will completely recycle or reuse the treated effluent in the utilities and for green belt development. The member industries will be mandated by SIPCOT to commit for pollution control measures in respect of water/waste water, air/emission, solid waste and noise as per the standards prescribed by the TNPCB. The member industries will be mandated to take authorization for storage of hazardous solid waste, if any, from TNPCB and the solid waste will be sent to CPCB approved recyclers or to TSDF.

The initial requirement of power is 50 MW reported as. No DGsets will be used during construction period, as per the proposals

The project activity is covered in 8(b) of the Schedule and falls under 'B1' category. As per the amendment dt. 1.12.2009 to the EIA notification, 2006, the industrial estate of area less than 500 ha but contain building and construction projects > 20,000 sq.m and or development area more than 50 ha will be treated as activity listed at serial no. 8 (a) or 8 (b) in the schedule as the case may be.

Dr / K/m

MEMBER SE SEIAA -TN

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In this proposal, no 'A' or 'B' category industry has been proposed to be housed and also the development area (464.10 ha) is more than 50 ha and hence, this project is considered as 8 (b) category which requires EIA report and does not require Public Consultation. Therefore the project does not require Public Consultation as per Para 7(i) III Stage (3) (d) 'Public Consultation' of EIA Notification, 2006.

The SEAC, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations has recommended vide Item No. 42-26 in its 42nd SEAC meeting held on 24.07.2013 & 25.07.2013 to the SEIAA, Tamil Nadu to grant Environmental Clearance to this project.

The project was considered by the SEIAA, Tamil Nadu in its 84th meeting held on 19.08.2013 in detail and decided to grant EC. Accordingly, SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006, as amended with validity for five years from the date of issue of EC, subject to the strict compliance of the terms and conditions stipulated below:

PART A- SPECIFIC CONDITIONS

Construction Phase

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- i) "Consent for Establishments shall be obtained by SIPCOT as well as by all member industries from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.
- ii) SIPCOT shall not alter, change or reroute the natural course of the water bodies either partly or wholly and shall ensure to take every precautionary steps to keep the alignment, direction of flow, size etc of the water bodies to have its natural and smooth passage in existence over year.
- iii) SIPCOT shall ensure that any construction/ development activity shall not change or alter the course of storm water flow either directly or indirectly and shall ensure that every precautionary step shall be taken to ensure the natural existence of waterways with respect to the nearby lakes.
- iv) SIPCOT shall mandated that all member units provide complete closed pipeline system for the collection, storage and Reuse systems for the treated sewage/ trade effluent generated from the individual industry with provisions to ensure regular treated sewage/ effluent sample collection periodically from

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all the individual industries to ensure the degree of treatment and also to ensure complete compliance of the standards prescribed by the TNPCB.

v) SIPCOT shall mandated that the member units should be commissioned only after securing water supply connection from the Chembarambakkam Lake through CMWSSB by SIPCOT.

SIPCOT shall adhere the following conditions and also mandated to all its member units to adhere the conditions.

- 1. The excavated earth / construction debris must be used within the premises only.
- 2. The solid waste in the form of excavated earth excluding the top soil scientifically utilized for approach road and peripheral roads constructions.
- 3. All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
- 4. Disposal of other construction debristduring construction phase should not create any adverse effect on the neighboring communities and be disposed of only in approved sites with the approval of competent authority with necessary precautions for general safety and health aspects of people.
- 5. Adequate potable drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- 6. All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.
- 7. For disinfection of waste-water, system using ultra violet radiation shall be adopted.
- 8. For Solid-waste management, composting arrangements shall be provided for biodegradable waste at site.
- 9. The e waste generated shall be handed over to the authorized recyclers.
- 10. 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.
- 11. A First Aid Room shall be provided with qualified personnel during operation of the project.
- 12. Disposal of muck, generated during the construction phase should be so managed as not to create any adverse effect on the neighboring areas and communities and

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be disposed of only in approved sites with the approval of the concerned local body with necessary precautions for general safety and health aspects of people.

- 13. Soil and ground water samples shall be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- 14. Construction spoils and spills including bituminous materials and other hazardous materials must not be allowed to contaminate water courses. The dump sites for such materials must be impervious so that they do not leach into the ground water.
- 15. No ground water shall be drawn with in SIPCOT area for construction period. .
- 16. Vehicles hired for bringing construction materials to the site should be in good operable condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- 17. Ambient air and noise level 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 construction phase and results of monitoring shall be furnished to the Tamilnadu Pollution Control Board by recording base-line date of recent origin. Adequate measures to reduce air and noise pollution during construction shall be adopted, conforming to the norms prescribed by the HNPCB on noise limits.
- 18. Building materials composed wholly or partly of fly Ash should be used in the construction activities as per the provision of Fly ash Notification of September, 1999 as amended in August, 2003.
- 19. Ready mixed concrete must be used in building construction.
- 20. Storm water control and its re-use shall be as per CGWB and BIS standards for various applications.
- 21. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- 22. Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.
- 23. Use of glass may be reduced by up to 40% to reduce the electricity consumption load on air conditioning. If necessary, high quality double glass with special reflecting outside coating shall be used for windows.

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- 24. Roof should be designed to meet prescriptive requirement of Energy Conservation Building Code (ECBC) by the use of appropriate thermal insulation material.
- 25. Opaque wall should be made to meet prescriptive requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material.
- 26. Proper approach road for fire fighting vehicles and for rescue operations in the event of emergency shall be provided.
- 27. Adequate fire protection equipments and rescue arrangements should be made.
- 28. A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of fire fighting equipments / operations.
- 29. Design of buildings should be in conformity with the Seismic Zone Classification.
- 30. All Energy Conservation Building Gode (ECBC) norms shall be adopted.
- 31. Rubber padding to absorb noise while loading & unloading operation should be provided.
- 32. The probable date of commissioning of the project supported with necessary bar charts shall be furnished to the SEIAA, Tamil Nadu.
- SIPCOT shall conduct ElAstudy for one season excluding rainy season for all parameters such as water, air, noise, waste water etc and submit to SEIAA before March 2014.

Operation Phase

- i) SIPCOT shall ensure that the water bodies shall be kept in their natural course without any change in its alignment, direction, capacity etc during entire operation phase of the project.
- ii) SIPCOT shall also ensure that the catchment area of the adjacent lakes shall not be disturbed or realigned or redistributed or restricted etc during the entire operation phase of the project.
- iii) No bund shall be formed around the premises of SIPCOT which obstruct the rain water flow to the lakes located abetting the Industrial Park.
- iv) SIPCOT shall mandated all member units ensure that the treated sewage/ trade effluent collection, storage and Reuse system shall not have any access at any cost, to the water bodies. All precautionary steps shall be effectively taken and shall be continuously monitored by the Developer so as to prevent

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the leachate or discharge of the treated sewage/ trade effluent into canal/ Lakes.

- v) The irrigational rights of the lands / land owners whose lands are not yet acquired should not be either disturbed or denied for any reasons; it should be ensured that they get not only required and eligible water supply to their patta lands, but also should have free access to their respective lands.
- vi) SIPCOT shall ensure that only after Rehabilitation & Resettlement ie., after making payment to all the land owners as per law, the land can be allotted to the member industries.
- vii) The lands under litigation shouldn't be sold/handed over to any industry till the judgement is finalised and delivered in favour of SIPCOT by the concerned court.
- viii) SIPCOT shall ensure that the Green Belt Development as committed including the premises owned by the individual industries and a saving clause in the allotment/sale-deed executed with every industry shall be provided.
- ix) SIPCOT shall ensure that no CE/TP/ CMSWTSF shall be provided for the sewage, trade effluent, municipal solid waste generated from the individual industries except the facilities for the collection, storage and Reuse of the treated sewage/ trade effluent by member units.
- x) SIPCOT shall ensure that no allotment letter/ sale deed in any form shall be made to house category A for category B industry as prescribed in the schedule of EIA notification 2006. However, it is liberty to the Developer to make fresh application for EC before the concerned authority if the Developer so desires to allot / sale the industrial plot for the individual industry to house category A or category B type of industry as prescribed in the schedule of EIA notification 2006 for fresh Environment Clearance (EC).
- xi) SIPCOT shall house in the Industrial park only industries that do not attract the provision of EIA Notification 2006 as committed.
- xii) The water requirement shall be met from the Chembarambakkam Lake (TTRO water) through CMWSSB as committed, by SIPCOT.
- xiii) The measures contemplated in the EIA report shall be adhered to by the SIPCOT.
- xiv) Treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.
- xv) There shall be no discharge of treated sewage / trade effluent outside the Pre Industrial Park at any time.

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- xvi) No drawal of ground water is permitted within the SIPCOT Industrial Park premises during construction/ operation phase.
- xvii) SIPCOT shall mandate the member units of the Industrial Park to discharge emissions within permissible limits only and to install adequate APC measures and to allot 30% of the plot area for green belt development and to install rain water harvesting structures.
- xviii) SIPCOT shall mandate that all its unit shall furnish separate plan of action for disposal of treated sewage during monsoon months such as optimal / minimized usage of water, regulate the application of treated sewage to avoid stagnation etc.
- xix) The SIPCOT shall ensure that storm water drain provided at project site shall be maintained without chocking for stagnation and should also ensure that the storm water shall be properly disposed in the natural drainage course.

SIPCOT as well as its member units shall mandated to comply the following conditions:

- 1. Organic converter shall be installed for treating the organic waste and sludge from septic tank and the treated mass shall be used as manure.
- 2. The SIPCOT shall ensure that rain water collected from the covered roof of the buildings, etc shall be scientifically harvested so as to ensure the maximum beneficiation of rain water harvesting.
- 3. SIPCOT shall mandate all its member units that Rain water harvesting for surface run-off, should be filtered before recharging the surface run off, pretreatment with screens, settlers etc. must be done to remove suspended matter, oil and grease.
- 4. The proponent should also ensure to keep necessary road width as per O.M. dated 7.2.12 of MOEF, GOI, New Delhi with respect to high rise buildings.
- 5. The Plastic wastes shall be segregated and disposed through authorized recyclers.
- 6. A First Aid Room shall be provided with qualified personnel during operation of the project.
- 7. Adequate fire protection equipments and rescue arrangements should be made.
- 8. A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of fire fighting equipments / operations.

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- **CP**. The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, etc. and the noise level shall be maintained as per MoEF / CPCB / TNPCB guidelines / norms both during day and night time.
- 10. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of suitable variety.
- 12. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the buildings shall be provided.
- 13. 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.
- 13 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.
- 14. Incremental pollution, roads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.
- 15 SIPCOT shall collect periodical water samples in the adjacent lakes and sufficient well water samples atleast once in 3 months for physio-chemical and biological analysis and shall keep the baseline data for record. The compiled annual Report of Analysis shall be forwarded to TNPCB to ascertain the changes in the quality of the lake water, if any followed by remediation / action

10. NOC from Forest Department / Chief Wildlife Warden should be obtained for reserve forests or Wild Life Sanctuaries located within 10 Km radius from the boundary of SIPCOT area before allotting land to member industries.

PART-B. GENERAL CONDITIONS (Construction and Operation stage)

i) It is mandatory for the Project proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.

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- ii) In the case of any change(s) in the scope of the project or in the product mix, a fresh appraisal by the SEAC/SEIAA shall be obtained.
- iii) The SEIAA reserves the right to add additional safeguard measures subsequently, if found non compliance of EC conditions and to take action including revoking of this Environmental Clearance as the case may be.
- iv) 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 / CMWSSB, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.
- v) The project authorities should advertise with basic details at least in two local newspaper widely circulated one of which shall be in the vernacular language of the locality concerned, within 7 days of issue of clearance and a copy of the clearance letter. Is available with the State Pollution Control Board and also at website of SEIAA, TN and a copy of the same should be forwarded to the Regional Office of the MoEF located at Bangalore.
- vi) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent, if it was found that Construction of the project has been started without obtaining Environmental Clearance, and for action for any violation of any condition stipulated in the Environmental Clearance.
- vii) 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, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- viii) A copy of the clearance letter shall be sent by the proponent to the Block Development Officer and the Local NGO, if any, from whom suggestions

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/representations, if any, have been received while processing the proposal. The clearance letter shall also be put on the website of the proponent.

- ix) 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 contractions due to exposure to dust and take corrective measures, if needed.
- x) 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.
- xi) 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.
- xii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Bangalore.
- xiii) The Regional Office of the Ministry located at Bangalore 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.
 - xiv) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bangalore, the respective Zonal Office of Central Pollution Control Board, SEIAA, TN and the State Pollution Control Board.
 - xv) 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

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be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bangalore by e-mail.

- xvi) 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.
- xvii) This 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.
- xviii) The SEIAA, TN may alter modify the above conditions or stipulate any further condition in the interest of environment protection.
- xix) 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.
- xx) 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.
- xxi) The above 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

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Hon'ble Supreme Court of India / Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.

xxii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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Copy to:-

- 1. The Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
- 2. The Secretary to Government, Industries Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
- 3. 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, Chennal 60000321
- The CCF, Regional Office, Ministry of Environment & Forest (SZ), Kendriya Sadan, IV floor, E&F wings, 17th Main Road, Koramangala II Block, Bangaloree 560034.
- 7. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110003.
- 8. The District Collector, Dt. Collectorate, Kancheepuram District.
- 9. The Commissioner, Sriperumbudur Taluk, Kancheepuram District.
- 10. The Chief Engineer (Chennai Region), WRO, Taramani, Chennai.

11. Stock File.

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ANNEXURE DETAILS OF SURVEY NUMBERS FOR VALLAM VADAGAL INDUSTRIAL PARK

. . .

SI.No	Unit/Village	Extent/ Hect
1	I/ Vadagal 'A'	123.17
	II/ Vadagal 'A'	117.95
	III/ Vadagal 'B'	78.02
	III/ Budanur	83.65
	IV/ Vallam 'A'	61.305
	TOTAL	464.095
<u> </u>		1146.31 acres

S.F.NO	Extens	ion Hectare		Total
	Patta Land	Porambokk	e Land	
	8.175		0.405	8.58
2	1.555.	ESA.	0	1.555 -
9	241		0	2.41
8	1.805/	1 Contraction of the second second	0.245	2.05
10	1.77	Contraction of the second second	0.405	2.175
	0	13 133	0.42	0.42
12	Ô	TOTH	0.345	0.345
13	1.77		1	2.77
13	0	1 10 10 10 10 10 10 10 10 10 10 10 10 10	0.54	0.54
15	45		0.095	4.595
15	3.635		0.805	4.44
17		ITTE THE	1.2	4.21
18	6.48		0.11	6.59
18	3.35	TIN	0	3.35
20	2.48		0.25	2.73
20	3.24		0	3.24
21	4.505		0.07	4.575
23	1.965		2.825	4.79
24	1.265		2.095	3.36
25	1.53		0	1.53
26	4.13		0	4.13
27	4.09		0.185	4.28
28	3.6		0.16	3.83
29	3.07		0.455	3.53
30	3.3		0.015	3.395
31	2.4		0.51	3.
32	2.97	5	0.125	3.10
33 pt		0	0.58	0.58
34 pt		0	0.34	0.34
37		21	1.24	4.45
40			0	4.58
40			0.2	3.94

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	[<u> </u>	- <u></u>		
	42	3.0		0.175	3.23
	39			0.09	4.74
	43	3.		0.34	3.6
	44	2.9		0	2.985
	45	1.99		3.21	5.205
	Villett	104.73	5	18.435	123.17
	v mage –	Vadagal "A" U			123.17
ł	46.	5.0		0.195	5.245
ŀ	47	4.8		0	4.82
ŀ	48	2.34		0.155	2.5
H	49	2.74		0.48	3.225
F	58	5.4		0	
ŀ	59	2.9		0.055	3.005
H	60	4.70		0.98	5.685
-	61	5.56		0.04	
┝	62	5.78		0	5.6
	63	1.72	C. F. C.	0	
-	64 pt	1.67	16881iz,	0	1.72
-	54	2.77	AT NO	1.26	1.67
	55	3.765		0	4.03
	56	4.3	MARIT -	0	3.765
-	57	4.655		0.095	4.3
·	66		A SA	0	4.75
	67	1.875	3.F	0	2.55
	68	0.965		0	0.965
	<u> </u>	61 01	IN PA	0.47	0.903
	70	101	PEN HE	0.225	0.225
	71	2:08		0	2.08
	74	3.395	THE R. T.	0	3.395
-	119	1.05		0	1.05
	120	4.335	K T A	0.105	4.44
	<u>122</u> 123	2.315		0.18	2.495
	123	4.385		0	4.385
	124	1.715	· · · · · · · · · · · · · · · · · · ·	0.225	1.94
	137	2.465		0.26	2.725
	138	2.48		0.03	2.51
-	127	3.775		0	3.775
	136	4.11		0.485	4.595
	130		· · · · · · · · · · · · · · · · · · ·	0	3.075
<u> </u>	128	3.465		0	3.465
	132	2.525		0.03	2.555
	133	2.115		0	2.115
<u> </u>	134	- 0		1	1.00
<u> </u>	135	2.885		0	2.885
		111.68		0.	1.815
Vill	age - Vads	agal "B" Unit II	<u> </u>	6.27	117.95
	148	2.165	l 		
	<u></u>			0.095	2.26

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264	1.065	0.055	1.12
	Extens	ion Hectare	Total
S.F.NO	Patta Land	Porambokke Land	
25	1.395		1.395
266	1.805	1.195	3.
267	4.44	0.22	4.66
145	3.575	0	3.575
146	2.5	0.075	2.575
147	4.5	0.085	4.585
149	1.485		1.485
150	1.935		1.935
141	2.335		2.335
142	2.355		2.355
143	3.525		3.525
144	4.15		4.15
139	3.475		3.475
140	1.78		1.78
157	1.685	62-81-62	1.685
159	5.115		5.115
160	3.2%		3.27
154 pt	0.455		0.455
158	2.015		2.015
165	2-3		2.30
× 166	1.71		1.71
167	1.385	0.98	2.365
168	1725		1.795
169	3.335	0.17	3.705
170	2:45		2.45
171			1.645
172	2.075		2.075
174	1.55		1.665
175 pt	1.37		1.56
	74.77		78.02
	Budanur Unit II	l	0.755
53	0.755		0.755
56	0.285		2.335
57	2.335		0.82
58	0.82		0.02
60	0.09		0.085
61	0.085		0.085
<u>62</u>	0.295		1.02
63	1.02		0.235
64	0.235		0.233
65	0.075		0.073
66	0.32		1.07
67	1.07		0.055
68	0.05	~·	0.65
69	0.6		0.0.

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54			0.38	
59			0.38	0.38
70	1.11	5	0.10	
S.F.NO		nsion Hecta	re	1.11
5. F .NU	Patta Land Porambokke Land			Total
71	0.64	5	ond Lanu	0.645
72	0.35	5	·	0.355
74	1.53			1.535
87	1.84	ŧ [1.53
88	1.225	5		1.225
	1.75			1.223
73			0.235	0.235
90	1.575	· · · · · ·		1.575
95	0.65		<u> </u>	0.65
96	0.945			0.945
91			1.75	
92	<u> </u>		1.21	1.75
93		162-51	2.835	
94		STR	3.41	2.835
97			0.415	3.41
79	0.375		0	0.415
82	6.7			0.375
83	0.09		1.18	<u> </u>
84	0.19			1.27
85	1.395	1 4 4 4 19 4 1 1 4 4 4 4 19 4 1	· · · · · · · · · · · · · · · · · · ·	0.19
86	31975			1.395
6	1456			3.975
76	3:92			1.56
78				3.92
80				5.
81				1.185
7			0.18	2.835
77			1.08	0.18
8 pt	1.095			1.08
10 pt	3.075			1.095
12	3.155		·	3.075
13	3	· · · · · · · · · · · · · · · · · · ·		3.155
14	1.45	······		
2	5.28	·		1.45
3	2.945	<u> </u>		5.28
4	1.025			2.945
5	1.89			1.025
<u> </u>		·	0.785	1.89
11			0.165	0.785
	69.865	<u> </u>	13.785	0.165
lage – Vall	am "A" Unit I	V		83.65
18		·	0.13	
19				0.13
19		·	0.415	0.13

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MEMBER SECRETARY, Dr.Sm? SEIAA -TN

State Level Environmental Impact Assessment Authority, TN 2013

ENVIRONMENTAL CLEARANCE

21		0.	545	0.545
25		· ().48	0.48
26	1.65		195	1.845
27	2.695		075	2.77
29	2.215		235	2.45
		ion Hectare		T-4-1
S.F.NO	Patta Land	Porambokke La	nd	Total
30		0.	585	0.585
31		().63	0.63
34	2.555			2.555
	4.575	· · · · · · · · · · · ·		4.575
35	4,365			4.365
36		0.	415	0.415
37	2.365		1	2.365
38	3.285	- <u></u>	, iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	3.285
39	4.84	0.	605	5.445
44	0	0.	155	0.155
40	4,15		315	5.465
41	2.93	0.	395	3.325
42	1.955		0.04	1.995
33	0)		.395	0.395
45	1.765		0.73	2.495
46	0.21	A PLAD	0	0.21
47	2.035;		0	2.035
50	1.31		0	1.31
48	() 03		0	0
49	N ŌI		0	. 0
51		0	.515	0.515
53	0		.255	0.255
54	1.485		0	1.485
55			.245	0.245
56	0		.325	0.325
201 pt	1.127		0	1.127
202 pt	1.826		0	1.826
203 pt	2.005	0	.035	2.04
206 pt	3.212	0	.035	3.247
	52.555		8.75	61.305
Total	413.605	50	.490	464.095

Autor 2

MEMBER SECRETARY, SEIAA -TN

Page 18 of 18

By Registered Post With Acknowledgment Due (This document contains 6 pages)





Ref:

10

TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO: 6258 Dated: 18.11.2013

PROCEEDINGS. NO: T11/TNPCB/F.36669/SPR/RL/W/2013 DATED: 18.11.2013

Sub: Tamil Nadu Pollution Control Board - Consent for Establishment – M/S. SIPCOT INDUSTRIAL PARK (VALLAM - VADAGAL), Vadagal 'A', SF. No. 1, 2, 8, 9, 10 etc., Vadagal 'B', SF. No. 148, 264, 25, 266 etc., Budanur SF. No. 53, 56, 57, 58, etc., & Vallam 'A' Villages SF. No. 18, 19, 21, 25 etc., Sriperumbudur Taluk, Kancheepuram District - For the establishment or take steps to establish the industry under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988) (Central Act, 53 of 1988) - Reg.

Your Application Registration No CC17922 Dated: 28.09.2013.

2. I.R. No. + F.MMN1772/RL/DEE/SPR/2013 Dated: 15.10.2013.

 Board's resolution (Technical Sub Committee) No.89-06 Dated: 11.11.2013.

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 and the Rules and Orders made there under to

> The Chairman & Managing Director, M/S.SIPCOT INDUSTRIAL PARK (VALLAM - VADAGAL),

(hereinafter referred to as 'The Applicant') authorizing him to establish or take steps to establish the industry in the site mentioned below:

> Vadagal 'A', SF. No. 1, 2, 8, 9, 10 etc., Vadagal 'B', SF. No. 148, 264, 25, 266 etc., Budanur SF. No. 53, 56, 57, 58, etc., & Vallam 'A' Villages SF. No. 18, 19, 21, 25 etc., Sriperumbudur Taluk, Kancheepuram District.

POLLUTION PREVENTION PAYS அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!

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Annexure 2



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

> Sd-xxxx Chairman

The Chairman & Managing Director, SIPCOT Limited, 19 A, Rukmani Lakshmipathy Road, Chennai - 600 008.

Copy to

CHER.

To

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- 1. The District Environmental Engineer, TamilNadu Pollution Control Board, Sriperumbudur.
- 2. The Commissioner, Sriperumbudur Panchayat Union, Kancheepuram District.
- 3. Board Meeting Section.
- 4. Technical File.

//Forwarded by Order//

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POLLUTION PREVENTION PAYS அகம் தூய்மை வாய்மைக்கு புறம் தூய்மை வாழ்வுக்கு !



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.

Description	Quantity
Main Products manufactured:	
Infrastructural development of an Industrial Park with an area of 464.10 Hectares and is exclusively for the establishment of Industries that do not attract the provisions of EIA Notification 2006.	
By/Intermediate products manufactured: NIL	

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 has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
1	Sewage 1	0.8 KLD generated from the SIPCOT project office	On Industry's own land
2	Trade Effluent	Nil	Individual ZLD System to by provide by units.

3. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as

6

- Putting of the

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POLLUTION PREVENTION PAYS அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



EX A SA CONTRACTOR OF A SA CONTR		ETP No.		Mechanical equipment like Aerator		
(2)	(2)	(3)	(4)	Capacity	Nos	
1	Septic tank	1	6x3x4			
2	Soak pit	1	1m dia x1.2m			
	1	1 Septic tank	1 Septic tank 1	1 Septic tank 1 6x3x4	(2) (2) (3) (4) Capacity 1 Septic tank 1 6x3x4 6x3x4	

- The SIPCOT Industrial Park (Vallam Vadagal) shall comply with the conditions stipulated in the Environmental clearance issued to the said Project vide SEIAA Lr. No. SEIAA/TN/F-660/EC/8(b)/198/2012 Dated; 20.8.2013.
- The SIPCOT shall provide Septic tank and soak pit arrangement as proposed for the treatment and disposal of sewage generated from the Project Office.
- The water requirement shall be met from the Chembarambakkam tank through CMWSSB as committed.
- The SIPCOT shall house in the Industrial Park only industries that do not attract the provision of EIA Notification 2006 as committed.
- The SIPCOT shall ensure that the allotted units are mandated to implement ZLD system for treating the trade effluent and shall ensure that no treated/untreated Sewage/trade effluent shall gain access outside the unit premises on land/water sources under any circumstances.
- The SIPCOT shall provide adequate Buffer zone of greenery around the project boundary and with great importance in the areas where habitations and water bodies are located so as to prevent water, air and noise pollution.
- 10. The SIPCOT shall ensure that the existing village roads passing through the Project site shall be relocated as proposed for easy movement of traffic in consultation and with the concurrence of the Dept. concerned and shall not cause hindrance to the traffic movement.
- The SIPCOT has to ensure the proposed Industrial Park shall not affect the operation of Bore wells located within the SIPCOT Project boundary which are supplying drinking water to the villages of Palnallur, Vallam, Vallam Kandigai.
- The SIPCOT shall obtain and furnish the appropriate land use reclassification certificate as obtained from the competent authority while applying for CTO.

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



GENERAL CONDITIONS

- The above 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 industry shall make a request for grant of consent to operate at least thirty days before the commissioning of trial production.
- 3. The unit shall construct compound wall around the boundary of the unit
- 4. Samples of water from the wells or any other nearby water sources have to be taken by the unit and get them analyzed by the Board Laboratory to develop base line data to assess the existing water quality.
- The unit shall provide an alternate power source along with separate energy meter for the Effluent Treatment Plant to ensure continuous operation of the Effluent Treatment Plant.
- The consent does not authorize or approve the construction of any physical structures or facilities, or the undertaking of any work in any natural watercourse.
- 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 (if applicable).
- Consent to operate will not be issued unless the unit complies with all the conditions of consent to establish.
- In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

Sd-xxxx Chairman

//Forwarded by Order//

POLLUTION PREVENTION PAYS அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!

S.KJ 19.11.2013



 The allotted industries inside the SIPCOT premises shall obtain consent from the TNPCB.

14. No drawl of ground water is permitted within the SIPCOT Industrial Park premises.

 The SIPCOT shall obtain and furnish the necessary approval obtained from the competent authority for drawl of water from Chembarambakkam tank, while applying for CTO.

 The unit shall adopt safe and environment friendly management practices within the premises.

 This consent order does not absolve from obtaining necessary permission/ Clearance from other Authority or under other statutes as applicable.

> Sd-xxxx Chairman

or Chair

//Forwarded by Order//

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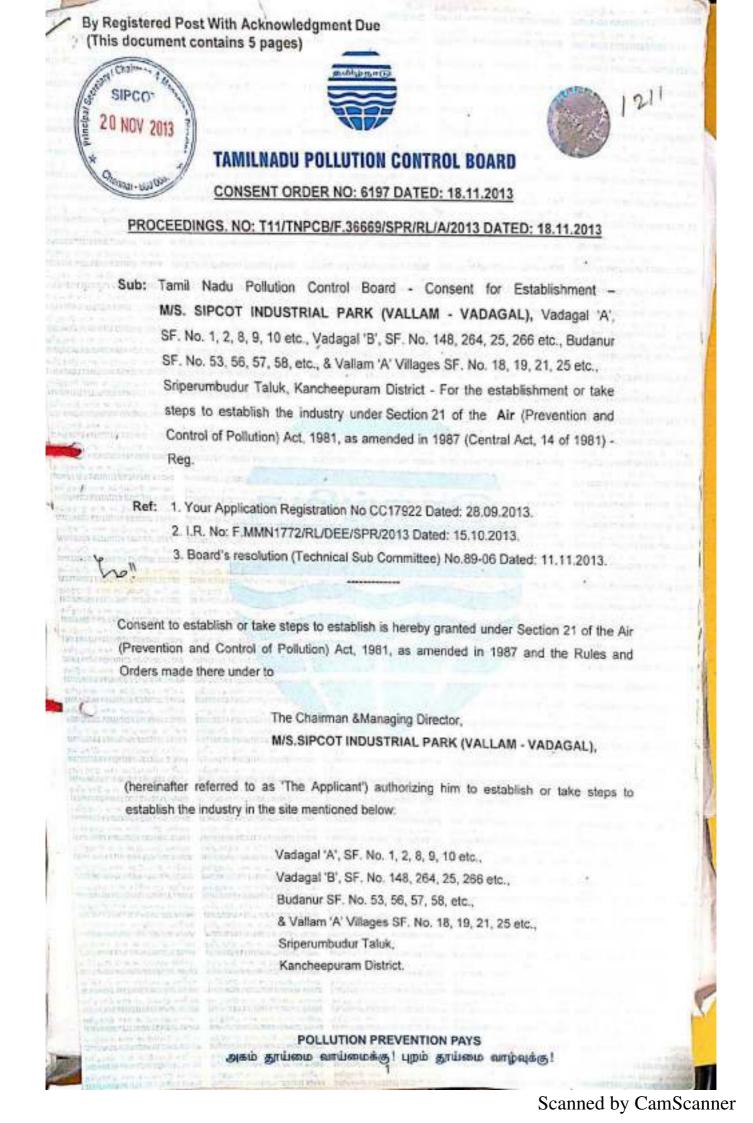
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POLLUTION PREVENTION PAYS அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!

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This Consent to establish is valid for two years or till the industry obtains consent to operate under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

> Sd-xxxx Chairman

The Chairman & Managing Director, SIPCOT Limited, 19 A, Rukmani Lakshmipathy Road, Egmore, Chennai - 600 008.

Copy to

- The District Environmental Engineer, TamilNadu Pollution Control Board, Sriperumbudur.
- The Commissioner, Sriperumbudur Panchayat Union, Kancheepuram District.
 - 3. Board Meeting Section.
 - 4. Technical File.

//Forwarded by Order//

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு ! புறம் தூய்மை வாழ்வுக்கு !

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Eper Chairfindha Tatutto



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.

Description Main Products manufactured:	Quantity
Infrastructural development of an Industrial Park with an area o 464.10 Hectares and is exclusively for the establishment of Industries that do not attract the provisions of EIA Notification, 2006.	
By/Intermediate products manufactured: NIL	

 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.

Chimney/ Stack No.	Description of Chimney	Maximum Discharge in m ³ /hr	Point of Discharge-in meters (Above Ground level)
		4444	· · · · · · · · · · · · · · · · · · ·
	CO. March 19, 199	the state of the state of the state	

Additional Conditions:

PETH

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 The SIPCOT Industrial Park (Vallam - Vadagal) shall comply with the conditions stipulated in the Environmental clearance issued to the said Project vide SEIAA Lr. No. SEIAA/TN/F-660/EC/8(b)/198/2012 Dated: 20.8.2013.

 The SICOT shall house in the Industrial Park only industries that do not attract the provision of EIA Notification 2006 as committed.

The SIPCOT shall provide adequate Buffer zone of greenery around the project boundary and with great importance in the areas where habitations and water bodies are located so as to prevent water, air and noise pollution.

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



- The SIPCOT shall ensure that the existing village roads passing through the Project site shall be relocated as proposed for easy movement of traffic in consultation and with the concurrence of the Dept. concerned and shall not cause hindrance to the traffic movement.
- The SIPCOT shall obtain and furnish the appropriate land use reclassification certificate as obtained from the competent authority while applying for CTO.
- The allotted industries inside the SIPCOT premises shall obtain consent from the TNPCB
- The unit shall adopt safe and environment friendly management practices within the premises.

10. This consent order does not absolve from obtaining necessary permission/ Clearance from other Authority or under other statutes as applicable.

Sd-xxxx Chairman

//Forwarded by Order//

COMPANYING AND AND



GENERAL CONDITIONS

- The above 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.
- 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.

Sd-xxxx Chairman

For Chateman 13

//Forwarded by Order//

S.K/ 19.11.2013

POLLUTION PREVENTION PAYS அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!

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



Annexure - 3 Laboratory Services Division

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

				TEST R	EPORT ULR Report No.	# TC123102	ge : 1 of 1 4000043733F
N	ame of the Client	¹ M/s. SIPO	TOT		Sample ID N	* HECS/AP 130924043	/022/130924
A	ddress of the Client	: Vallam V	adagal		Sampling Da		NV
Gro	nib	1 Atmosphe	ric Pollu	tion			
San	nple Name	* Ambient		and a local second s	Received Da	a set to be writing	
Śan	nple Mark	r Project ar			Completed O	Dute: 13/09/2024	
	nple Reference	= NA			Report Date	iii 17/09/2024 18/09/2024	
	nple Drawn By	* M/s.Hube	rt Enviro	care Systems (P) Ltd. Sample qua	- 1000972024	F.3
	uple Location	₹ NA					
	ironmental Condition	* Temperat	ure (°C) :	: 32.0 1 Humi	dity (%) : 56.0		
	upling Method & Plan	1 IS 5182 P	art 5 & P	art 14			
S.N	A cot t at	ameters	Units	Results	Test Method	NAAQ Star	idards : 2009
	cipline : 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/SOF/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
X	Benzese-AAQ		µg/m3	BLQ (LOQ: 0.1) IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
1	Benzo (a) pyrene-A/	VQ	ng/m ³	BLQ (LOQ: 0.1)	IS: 5182 Part 12: 2004	t (Annual)	
5	Ammonia as NH3		pg/m*	6.19	15 5182 (Part 25) 2018	400 (24 hours)	I (Annual) 100 (Annual
6	Carbon Monisside (C	(0)	soft, w ₄	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 bours)	2 (8 hours)
1	Nitrogen dioxides as	NO2	µg/m?	24.73	IS 5182 (Part 6) 2006	80 (24 hours)	40.41
£	Ozone as O3		µg/m ³	10.69	IS 5182 (Part 9) 1974	the second s	40 (Annual)
)	Particulate matter (Si	ze less than 10	µg/m ^a	45,15	IS 5182 (Part 23) 2006	180 (1 hours)	100 (8 hours
_	µm)	are and a state	166605	-1406A67	10, 51 De (F 401 2.5) 2000	100 (24 hours)	60 (Annual)
0	Particulate matter (Si jum)	ze less than 2.5	p.g/m/	26.73	15 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
1	Sulphur dioxide as St	02	jeg/m ¹	8.19	IS 5182 (Puri 2) 2001	RD (21 barres	
						man F Art. Remainship	and the second s

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, pg/m3- Micrograms per cubic meter, ng/m³-Milligrams per cubic meter, ng/m²-Nanograms per cubic meter.

BLQ (LOQ:

0.002)

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

12

Lead

jrg/iu3

""End of Report""



D.Anusuya Lab Manager Authorized Signatory

IS 5182 (Pari 2) 2001

HECS-G/INS/SOP/ 041 Issue

No.:01 Issue Date:01.03.2021

80 (24 hours)

1 (24 hours)

50 (Annual)

0.5 (Annual)

The report in full or part shall not be used for any promotional or publicity purpose willout written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise isotopic 1. Unless specifically inquisited by castomer the test items will not be rotained more than 15 days from the date of issue of test report. 4. Unler no circumstances lab accepts any tablety or toss / damage caused by use ormisuse of test report after invoking or issue of test report. 5. The test results relate only to the text items.
 HECS-G/O/FMT/49

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

Laboratory Services Division

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

Page: 1 of 1

TEST REPORT

Nam	te of the Client	[†] M/s. SIPCOT			Report No. Sample ID No	* HECS/AP/022/130924/N 130924043
Address of the Client z Vallam Vadagal					Sampling Date	: 13/09/2024
Sampl Sampl Sampl Sampl Enviro Sampli	e Name e Mark e Reference e Drawn By le Location mmental Condition mental Condition	: Atmospheric P : Ambient Air(A : Project area : NA : M/s.Hubert En : NA : Temperature (* : IS 5182 Part 5 a	II) viro care Systems (P C) : 32.0 (Humi	⁹) L.t.d. idity (%) : 56.0	Received Date Commenced Da Completed On Report Date Sample quantit	‡ 17/09/2024 ‡ 18/09/2024
S.No.	- stir a managerra		Units	Results		Test Method
Discip	dine : Chemical					
I TVOC			ppinv	BLQ(LOQ)		S-G/ENV/AAQ/SOP/005 Issue 0.:01 Issue Date:02:07 2020

te:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume. ***End of Report***



D.Anusuya Lab Manager Authorized Signatory

The report is full or part shall not be used for any promotional or publicity purpose without written consent by HECS seganization. 2. Samples are not drawn by HECS unless or otherwise isobility or loss / demage caused by use or misuse of test report after invoicing or lasse of test 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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A-21, III Phase, Thiru VI Ka Industrial Estate, Guindy, Chennai - 600 032. Ph: 42985555 / 43635555 Fax : 42985500 E-mail : labsales@hecs.in



Laboratory Services Division

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

- NAME				TEST RE	PORT ULR Report No.	Pag : TC1231024 : HECS/AP/				
Nan	se of the Client	1 M/s. SIPCO	т		Sample ID No					
Add	ress of the Client	: Vallam Va	dagat		Sampling Dat	c :13/09/2024				
Grou	p	* Atmospher	ic Pollut	ion	Received Date	: 13/09/2024				
Samp	de Name	* Ambient A	ir(All)		Commenced !	Date 1 13/09/2024				
Samp	de Mark	: santhavelle	ore		Completed O	: 17/09/2024				
Samp	de Reference	I NA			Report Date	2 18/09/2024				
	le Drawn By sle Location	¹ M/s.Huber ¹ NA	t Enviro	care Systems (P)	Ltd. Sample quar	Sample quantity ¹ NA				
	onmental Condition ling Method & Plan	* Temperatu * 1S 5182 Pa			lity (%) : 56.0					
S.Ne	Test Para	meters	Units	Results	Test Method	NAAQ Stan	dards : 2009			
Disc	pline : Chemical				J					
1	Arsenic		ng/in3	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	20 (Annual)	20 (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	En/ga	BLQ (LOQ: 0.1) 1S 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Henzo (a) pyrene-AAQ	ng/m²	BLQ (LOQ: D-1)	15 : 5182 Part 12: 2004	1 (Annual)	(Annual)
5	Ammonia as NH3	\mug/m^{2}	8.39	15 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m ³	BLQ(LOQ 0.05)	1S 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	$\mu g/m^8$	25.15	1S 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8)	Ozone as O3	µg/m*	12.48	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µmt)	µg/m ^a	56.22	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m ^a	27.80	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m ³	14.44	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 (34 hours)	0.5 (Annual)

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

mg/m3-Milligrams per cubic meter, ng/m3-Nanograms per cubic meter.

-

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

End of Report



D.Anusuya Lab Manager

Authorized Signatory

 The report in full or part shall not be used for any promotional or publicity purpose without written convent by RECS organization.
 Semples are not drawn by RECS unless or otherwise
mentioned _3. Unless specifically reported by customer the test itoms will not be relained more than 15 days from the date of issue of test report.
 Unless specifically reported by use or misure of test report after invoicing or issue of test report.
 HECS-G/O/FMT/49 HECS-G/Q/FMT/49

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

Laboratory Services Division

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

TEST REPORT

$-\mathbf{P}$	20	e	÷	1	41	n
- 34		9	5			

					Report No.	1 HECS/AP/023/130924/N	
Name of the	Client	* M/s. SIPCOT			Sample ID No	: 130924044	
Address of t	he Client	: Vallam Vadagal			Sampling Date	: 13/09/2024	
Group		[‡] Atmospheric Po	llution		Received Date	+ 13/09/2024	
Sample Name		* Ambient Air(Al)		Commenced Date # 13/09/2024		
Sample Mark		: santhavellore			Completed On	: 17/09/2024	
Sample Refere	URCC .	INA			Report Date	18/09/2024	
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd. Sample Location : NA			Lad.	Sample quanti	y [±] NA		
Environmenta Sampling Met		* Temperature (*6 * IS 5182 Part 5 &		lity (%) : 56.0			
S.No. Test Pa		manueters	Units	Result	5	Test Method	

Discipline : Chemical			
I TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.:01 Issue Date:02:07 2020

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

***End of Report**



D.Anusuya Lab Manager Authorized Signatory

The report in full or part shall not be used for any promotioned or publicity purpose without written consent by HECS organization.
 Unloss specifically requested by customer the test items will not be retained more than 16 days from the data of issue of test report.
 Under no circumstances tab accepts any liability or loss / damage caused by use or misure of test report after invoicing or issue of test report.
 The test results relate only to the test items.

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

[m] \$6.576 [m]

12

Lead



Laboratory Services Division

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Adk Grou Samp Samp Samp Samp Samp Samp	ole Nume ole Mark ole Reference ole Drawn By ple Location ronmental Condition	[‡] M/s. SIPC [‡] Vallam Va [‡] Atmospher [‡] Ambient A [‡] Thathanur [‡] NA [‡] M/s.Huber [‡] NA [‡] Temperati	dagal ric Pollut ir(All) t Enviro	care Systems (P)	ULR Report No. Sample ID No Sampling Dat Received Data Commenced J Completed On Report Data	: TC1231024 : HECS/AP/0 : 130924045 : 13/09/2024 : 13/09/2024 : 13/09/2024 : 13/09/2024 : 17/09/2024 : 18/09/2024	020000000000000000000000000000000000000
Samp S.N	aling Method & Plan n. Test Para	t IS 5182 Pa meters	rt 5 & P Units	Results	Test Method	NAAQ Stan	dards : 2009
Disc	ipline : Chemical		10	W			
t	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)
ж.	Benzene-AAQ		pg/m3	BLQ (LOQ: 0.1) IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-A/	νQ	ng/m ³	BLQ (LOQ: 0.1)	15 : 5182 Part 12: 2004	1 (Annual)	I (Annual)
5	Ammonia as NH3		pg/m ²	7.81	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual
6	Carbon Monoxide (C	(0)	mg/ m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as	NO2	µg/m ³	21,45	1S 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3		µg/m ¹	13.98	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours
9	Particulate matter (Si µm)	ize less than 10	h8/m,	55,32	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Si µm)	ize less than 2.5	µg/m ³	26.18	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as S	02	µg/m ³	14.50	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
	the second	0.0	and the second second			and the second sec	The further states

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, pg/m1- Micrograms per cubic meter, mg/m5-Milligrams per cubic meter, ng/m5-Nanograms per cubic meter.

BLQ (LOQ:

0.002)

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

µµ/m3

End of Report



D.Anusuya Lah Manager Authorized Signatory

HECS-G/INS/SOP/ 041 Issue

No.:01 Issue Date:01.03.2021

1 (24 hours)

0.5.(Annual)

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maniformal
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TEST REPORT

Pagel	0.01	
	10.74	

					Report No.	2 HECS/AP/024/130924/N	
Name of the Client		* M/s. SIPCOT			Sample ID No	1 130924045	
Address of the Client : Vallam Vadagal					Sampling Date	: 13/09/2024	
Group		Atmospheric P	ollution		Received Date	: 13/09/2024	
Sample Name ² Ambient Airy Sample Mark ² Thathanur			11)		Commenced Da		
					Completed On	17/09/2024	
Sample Reference # NA		* NA			Report Date	18/09/2024	
	e Drawn By e Location	* M/s.Hubert En * NA	viro care Systems (P	Sample quantity 2NA			
	omental Condition ng Method & Plan	* Temperature (* * 1S 5182 Part 5		idity (%) : 56.0			
S.No.	0. Test Parameters		Units	Result	s	Test Method	
Discip	line : Chemical	-		1			
t.	TVOC		pomy	81.01.00	01) 105	25 C/EMULA AGIPODIOREA	

ppmv 8LQ(LOQ 0.1) HECS-G/ENV/AAQ/SOP/005 Issue No.:01 Essue Date:02:07 2020

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

> Mennal 600 032

D.Anusuya

Lah Manager Authorized Signatory

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1.4.1.5 A 199. A 199.

#mb

Lead

Sulphur dioxide as SO2

11

12



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				TEST RE	<u>PORT</u> ULR Report No.	Pag : TC1231024 : HECS/AP/	
Nar	ne of the Client	+ M/s. SIPC	TOT		Sample ID No		
Add	fress of the Chient	: Vallam Va	dagal		Sampling Date	: 13/09/2024	
Grou	ф. —	I Atmospher		ion	Received Date	13/09/2024	
Samp	ole Name	* Ambient A	ir(All)			Date 13/09/2024	
Sample Mark : Alagoor				Completed Or			
2010.0	ple Reference ale Drawn By	: NA		care Systems (P)	Report Date Ltd. Sample quan	* 18/09/2024	
Samp S.N	sling Meshod & Plan 0. Test Paran	1 IS 5182 Pa neterx	rt 5 & Pa Units	art 14 Results	Test Method	NAAQ Stan	dards : 2009
Disc	ipline + Chemical						CONTRACT OF A REAL
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	5 (Annual)	5 (Annual)
4	Benzu (a) pyrene-AA	Q	ng/m³	HLQ (LOQ: 0.1)	15 : 5182 Part 12: 2004	t (Annual)	I (Annual)
5	Ammonia as NH3		$\mu g/m^3$	7.93	15 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (C	0)	mg/ m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 bours)
7	Nitrogen dioxides as	NO2	pig/m ³	25.18	1S 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3		µg/m ¹	11.43	1S 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Siz µm)	ze less than 10	pg/m ³	47.69	15 5182 (Part 23) 2006	300 (24 hoars)	60 (Annual)
10	Particulate matter (Siz	e less than 2.5	µg/m ³	22.45	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)

Note:- BLQ - Below the Limit of Quantification, 1.OQ- Limit of Quantification, pg/m3- Micrograms per cubic meter,

8.80

BLQ (LOQ:

(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.

pg/m3

µg/m3

End of Report

heritar 500.032

D.Anusuya Lab Manager Authorized Signatory

1S 5182 (Part 2) 2001

HECS-G/INS/SOP/ 041 Issue

No.:01 Issue Date:01:03.2021

80 (24 hours)

1 (24 hours)

50 (Annual)

0.5 (Annual)

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 HECS_COV/FMT249 HECS-G/O/FMT/49

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TEST REPORT

Page: 1 of 1

					Report No.	* HECS/AP/025/130924/N
Name of the Client		¹ M/s. SIPCOT			Sample ID No	: 130924046
Address of the Client : Vallam Vadagal					Sampling Date	: 13/09/2024
Group		‡ Atmospheric Pe	ollution		Received Date	= 13/09/2024
Sample	Name	* Ambient Air(A)	1)		Commenced Du	te 1 13/09/2024
Sample	Mark	: Alagoor			Completed On	: 17/09/2024
Sample	Reference	= NA			Report Date	18/09/2024
Sample	Drawn By	# M/s.Hubert En	iro care Systems (P) L.td.	Sample quantit	y "NA
Sample	+ Location	* NA			100000000000000000000000000000000000000	6 (1975)
	mental Condition 1g Method & Plan	* Temperature (* * IS 5182 Part 5 &		dity (%) : 56.0		
S.No.	Test P	arameters	Units	Result	s	Test Method
Discipl	line : Chemical		10 C			
1	TVOC		(1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997)	I III OUL OO	4 m 1 mm	

1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue
				No.:01 Issue Date:02:07 2020

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

End of Report



D.Anusuya

Lab Manager Authorized Signatory

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11

12

Load

Sulphur dioxide as SO2



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				TEST RE	<u>PORT</u> ULR Report No.	Pag + TC1231024 + HECS/APA	
Name of the Client + M/s. SIPCO		от		Sample ID No	: 130924047		
Address of the Client : Vallam Vad		dagal		Sampling Date	: 13/09/2024		
Group * Atmospher		ric Pollut	ion	Received Date	\$ 13/09/2024		
Sample Name * Ambient A		ir(All)		Commenced I	Date = 13/09/2024		
1.1.8	ale Mark	; Vallam			Completed Ou		
	ole Reference	: NA			Report Date	18/09/2024	
	ole Drawn By ple Location	NA NA	t Enviro	care Systems (P)	Ltd. Sample quan	niy • NA	
Samp	ronmental Condition sling Method & Plan	: Temperati : IS 5182 Pa	rt 5 & Pi	irt 14	dity (%) : 56.0		
S.No. Test Parameters		Units	Results	Test Method	NAAQ Stan	dards : 2009	
	ipline : Chemical		1				
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	Bonzene-AAQ		µg/m3	BLQ (LOQ: 0.1) IS 5182 Part 11: 2006	5 (Asnual)	5 (Annual)
ŧ	Benzo (a) pyrene-AA	0	ng/m*	BLQ (LOQ: 0.1)	15 : 5182 Part 12: 2004	(Annual)	F(Annual)
5	Ammonia as NH3		\mug/m^a	6.32	1S 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (Co	D)	mg/ m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as I	NO2	µg/m ³	21.98	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3		$\mu g/m^a$	13.43	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Siz µm)	te less than 10	µg/m³	47.81	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Sia µm)	e less than 2.5	µg/m³	25.63	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
	where the first state of the prover strategy and the state of the stat			and the second s	the second se	in a lower of the transformed to the	

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.

14.98

BLQ (LOQ:

0.002)

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

pg/m3

µg/m3

End of Report



D.Anusuya Lab. Manager Authorized Signatory

IS 5182 (Part 2) 2001

HECS-G/INS/SOP/ 041 Issue

No.:01 Issue Date:01.03.2021

80 (24 hours)

1 (24 hours)

50 (Annual)

0.5 (Annual)

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 Subley or loss./domage caused by use or misune of text report after invoicing or issue of text report.
 ST the text results relate only to the text items.
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TEST REPORT

Pa	100	1	ed	1
	6 × -		20	1

					Report No.	3 HECS/AP/026/130924/N
Name of the Client		3 M/s. SIPCOT			Sample ID No	: 130924047
Address of the Client : Vallam Vadagal					Sampling Date	: 13/09/2024
Group		+ Atmospheric Pol	lution		Received Date	* 13/09/2024
Sample	Name	+ Ambient Air(All)			Commenced Da	te : 13/09/2024
Sample	Mark	: Vallam			Completed On	17/09/2024
lample	Reference	* NA			Report Date	: 18/09/2024
NO. 1	Drawn By Location	* M/s.Hubert Envi * NA	ro care Systems (P)	L1d.	Sample quanti	y ¹ NA
1013 S.S.S.	mental Condition ig Method & Plan	* Temperature (°C t IS 5182 Part 5 &		ity (%) : 56.0		
S.No.	Test P	arameters	Units	Results	S.	Test Method
Discipl	ine : Chemical					
1	75/05/	1	2000.0003	101 10 10 10 10		THE REPORT OF A LOCATION OF A

1 TVOC	bhua	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue
			No::01 Issue Date:02:07 2020

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

"End of Report"



26 D:Anusuya Lab Manager

Authorized Signatory

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HECS-G/Q/FMT/49

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Colour



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Addrs Geoup Sampl Sampl	ess of the Client i le Name le Mark	M/s. SIPCOT Vallam Vadaga Water Ground Water Project area	đ	Completed Or	: TC1231024 HECSL/W1 130924054 : 13/09/2024 : 13/09/2024 30tc: 13/09/2024 19/09/2024	
	- Alexandre -	NA M/s.Hubert En	viro care System	Report Date (P) Ltd. Sample quar	19/09/2024 (ity 1 Litres	
Samp Envire	le Location : somental Condition	NA	°C) : 29.0 H	amidity (%) : 51.0		
S.No.	Test Parameters	Units	Results	Test Method	LS 1050	2012
					Acceptable Limits (Max)	Permissible Limits (Max)
Disci	pline : Chemical					
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relation
2	Anionic Surface Active agents as MBAS	mg/l	81.Q(LOQ:0.05)	APHA 23rd edition (Method 5540 B . C): 2017	0.2	<u>1</u>
3	Bi carbonuire	mg/l	210.0	IS 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	ng/1	BLQLOQ:0.1)	1S 3025 Part 57 -Cuccumin Method: 2021	0.5	2.4
6	Calcium as Ca	P(gen	52.10	IS 3025 Part 40: 1991(EDTA Turimetric Method)	75	200
7	Carbonate	eng/l	BLQ(LOQ:LO)	1S 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Dem (COD)	ind mp/l	BLQ(LOQ:4.0)	1S 3025 Part 58: 2006	NA	NA
9	Chloride as CI	Pare	127.37	IS 3025 Part 32: 1988 (250	1000

...... Argentometric Method) Hazen units BLQ(LOQ:1.0) IS 3025 (Part4): 2021 5 Cynnide as CN BLQ(LOQ:0.01) 1S 3025 Part 27 Sec 1: 2021 0.05 mg4 Dissolved oxygen: 6.7 1S 3025 (Part 38): 1989 (Titrimetric mgd NA Method) CARE æ



D.Anusuya Lab Manager Authorized Signatory

15

No relaxation

NA

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 HECS-C/O/FMT/40 HECS-G/Q/FMT/49

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				TES	T REPORT	ULR Repart No.	Page : TC12310240 : HECSL/WT		
Name	of the Client	: M/s	SIPCOT			Sample ID No		10100 1000 200	
						Sampling Dan	: 13/09/2024		
Addr	ess of the Client	: Val	lam Vadagal						
Group	e	: Wa	ter			Received Date	: 13/09/2024		
Samp	e Name	: Gre	ound Water (AII)		Commenced I	ate: 13/09/2024		
Samp	e Mark	: Pro	: Project area			Completed Or			
Sampl	mple Reference : NA mple Drawn By : M		: NA			Report Date	7 19/09/2024		
Envir Sampl	le Location inmental Condition ing Method & Plan	: IS 1	7614(Part-I)	:2021	Humidity (%) : 51.0				
S.No.	Test Parameter	к.	Units	Results	Test Method		LS 10500	1 2012	
							Acceptable Limits (Max)	Permissihle Limits (Max)	
13	Electrical Conductive 25°C	ity at	#Sicm	837.0	IS 3025 Part-14: 2013		NA	NA	
14	Fluoride as F		mg/l	0.38	APHA 23rd edition (B , D): 20	Contrate the party	1.0	1.5	
15	from an Fe		nig/T	0.068	15 3025 (Part 5	3). 2003	1.0	No relaxation	
16	Magnesium as Mg		mg/l	26.73	IS 3025 Part 46: 199	4 (Valumetric	30	100	
-					Method using	EDTA)	2455.00	1222-0	

				B , D): 2017		
15	fron as Fe	nig/T	0.068	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	26.73	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
17	Nitrate as NO3	ng/I	3.94	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	34.96	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C		7.66	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mgA	BLQ(LOQ:0.00 1)	15 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Potassium as K	mgA	4.0	IS 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	nseq/i	BLQ(LOQ:1.0)	15 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	1.71	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	61.0	IS 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA



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Sampling S.No.	g Method & Plan Test Parameters	: IS 17614(Part-1) Units	Results	Test Method	IS 1050	0 : 2012	
Environn	mental Condition	: Temperature (°C	C): 29.0 Hum	idity (%) : 51.0			
Sample I	Location	÷ NA					
Sample I	Drawn By	: M/s.Hubert Envi	iro care Systems (I	P) Ltd. Sample qu	Sample quantity 71 Litres		
Sample R	Reference	: NA		Report Date	: 19/09/2024		
Sample N	Mark	: Project area		Completed	On : 19/09/2024		
Sample N	Name	: Ground Water (All)	Commence	Date: 13/09/2024		
Group		: Water		Received D	une : 13/09/2024		
Address	of the Client	: Vallam Vadagal		Sampling D	uie ; 13/09/2024		
Name of	f the Client	: M/s. SIPCOT		Sample ID			
٥.	建肥			Report No.	: TC1231024 : HECSL/W1		
企			TEST R	EPORT ULR	************************************	: : 3 of 4	

S.Ne.	Test Carmineters.	Custa	16 caults	Test Method	IS 10500 : 2012		
					Acceptable Limits (Max)	Permissible Limits (Max)	
25	Sulphate as SO4	mg/l	44.37	IS 3025 Part 24 Sec 1 2022(Turbidity Method)	200	400	
26	Total alkalinity as CaCO3	mg/l	210.0	IS 3025 (Part 23): 1986	200	600	
27	Total dissolved solids	mg/I	469.0	IS 3025 (Part 16): 1984	500	2000	
28	Total Suspended Solids	ing/l	BLQ(LOQ:2.0)	15 3025 (Part 17): 1984	NA	NA	
29	Phosphate as PO4	mg/l	0.15	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA	
30	Phosphorous as P	mg/l	0.046	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA	
31	Total hardness as CaCO3	mg/l	240.0	1\$ 3025 (Part 21): 2009	200	600	
32	Turbidity, NTU	NTU	0.7	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 relation	
35	Cadmium	mgA	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relatation	
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation	
37	Copper	mg/t	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5	



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目指示它口	TEST REPORT		Page : 4 of 4
in the second		ULR	: TC1231024000043966F
回行 建設設		Report No.	: HECSL/WT/016/130924
Name of the Client	M/s. SIPCOT	Sample ID No	1 130924054
		Sampling there	1 13/09/2024
Address of the Client	: Vallam Vadagal		
Group	: Water	Received Date	13/09/2024
Sample Name	: Ground Water (All)	Commenced Data	: 13/09/2024
Sample Mark	: Project area	Completed On	- 19/09/2024
Sample Reference	T NA	Report Date	: 19/09/2024
Sample Drawn By	3 M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantity	11 Litres
Sample Location	NA .		
Environmental Condition	: Temperature (*C) : 29.0 Humidity (%) : 51.0	Ë.	
Sampling Method & Plan	: IS 17614(Part-1):2021		
Test Parameter	v Date Results Test Me	dual .	Tic Million - 2012

S.No.	Test Parameters	Units	Results	Test Method	TS 10500	1 : 2012
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	P.gm	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mp/l	8LQ (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 relatation
41	Nickel	mgđ	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/f	8LQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mgit	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/016/130924		
Name of the Client	3 M/s. SIPCOT		Sample	: ID No : 130924054		
Address of the Client	: Vallam Vadagal		Sampli	ng Date : 13/09/2024		
Group	: Water		Receive	od Date : 13/09/2024		
Sample Name	Ground Water (/	Ground Water (All)		numenced Date = 13/09/2024		
Sample Mark	: Project area		Comple	Completed On : 19/09/2024		
iample Reference	= NA		Report	Date 19/09/2024		
Sample Drawn By	: M/s.Hubert Envi	ro care Systems (I	9) Ltd. Sampl	Sample quantity = 1 1.itren		
Sample Location	² NA	8				
Environmental Condition Sampling Method & Plan	: Temperature (°C : IS 17614(Part-1)	000000	dity (%) : 51.0			
S.No. Test	Parameters	Units	Results	Test Method		
Discipline : Chemical						
1 Hexavalent Chron	nium 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 litre.

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6

7

8

9

10

11

12

Calcium as Ca

Chloride as Cl

Cyanide as CN

Disselved oxygen

Chemical Oxygen Denund

Carbonate

(COD)

Colour

mg/l

mg/l

mg/I

mg/f

Hazen unita

mgЛ

mg/I

56.11

BLQ(LOQ:1.0)

BLO(LOO:4.0)

254.75

BLO(LOO-LO)

BLQ(1.0Q:0.01)

6.5



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			TEST	REPORT	ULR Report No.	Page : TC12310240 - HECSL/WT	
Nome	of the Client	: M/s. SIPCOT	ę.		Sample ID No	the state of the second	COLUMN AND
	on a Fall of Pall on a				Sampling Date	: 13/09/2024	
Adda	ess of the Client	: Vallam Vada;	gaš				
Group	6	= Water			Received Date : 13/09/2024		
Sampl	e Name	: Ground Wate	r (All)		Commenced D	Ate: 13/09/2024	
Sampl	ie Mark	: Vallam			Completed On	= 19/09/2024	
Sampl	e Reference	TNA Report Date			: 19/09/2024		
DOM: NO	e Drawn By	1 M/s.Hubert F	nviro care System	s (P) Ltd.	Sample quan	lity [‡] 1 Litres	
	ing Method & Plan Text Parameters	IS 17614(Part		umidity (%) : 51.0 Test Met	nat	15 1050	1 - 3013
Charved.						Acceptable Limits (Max)	Permissible Limits (Mas)
Discl	pline : Chemical					10000	
1	Animonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:S (Nesslerization		0.5	No relaxation
2	Anionic Surface Activ agents as MBAS	n mg/l	BLQ(LOQ:0.05)	APRA 23rd edition (, C): 20	Concernance and	0.2	1
3	Ili carbonate	figm	250/0	15 3025 Part 5	1: 2001	NA	NA
3	and the second se	mgd	250.0 BLQ(LOQ-2.0)	13 3025 Part 5 18 3025 Part 4	Contraction of the local data	NA NA	NA NA



D,Anusuya Lab Manager

IS 3025 Part 40: 1991(EDTA

Titrimetric Method)

IS 3025 Part 51: 2001

1S 3025 Part 58: 2006

IS 3025 Part 32: 1988 (

Argentometric Method)

1S 3025 (Part4): 2021

IS 3025 Part 27 Sec 1: 2021

18:3025 (Part 38): 1989 (Titrimetric

Method)



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75

NA

NA

250

5

0.05

NA

200

NA

NA.

1000

15

No relaxation

NA

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7

S.No.	Test Parameters	Units	Results	Test Method	15 10500 : 2012		
	g Method & Plan	: IS 17614(Part-1					
	nental Condition	: Temperature (°		dity (%) : 51.0			
	Location	* NA					
Sample I	Drawn By	: M/s.Hubert Env	iro care Systems (I	') Ltd. Sample quar	Sample quantity : 1 Litres		
Sample R	Reference	÷NA		Report Date	: 19/09/2024		
Sample)	Mark	: Vallam		Completed O	n : 19/09/2024		
Sample ?	Name	: Ground Water (A11)	Commenced	Date: 13/09/2024		
Group		* Water		Received Dat	c : 13/09/2024		
Address	s of the Client	: Vallam Vadagal		Samplurg Da	ic :13/09/2024		
Name o	f the Client	MA SIPCOT		Sample ID N	P		
D 5	金级			Report No.	- HECSL/WT/017/130924		
	4333		244222-15	ULR	Page : 2 of 4 : TC1231024000043967F		
	ほむ回 次本之		TEST R	FPORT			

S.No.	1 of Parameters	Units	Results	Test Method	15 10500 : 2012		
					Acceptable Limits (Max)	Permissible Limits (Max)	
13	Electrical Conductivity at 25°C	µ\$/em	1366.0	IS 3025 Part-14: 2013	NA	NA	
14	Fluoride as F	mg/l	0.43	APHA 23rd edition (Method 4500F- B , D): 2017	E(0)	1.5	
15	Iron as Fe	nıgd	BLQ(LOQ:0.01)	18 3025 (Part 53): 2003	1.0	No relaxation	
1ñ-	Magnesium as Mg	mg/l	29.16	1S 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100	
17	Nitrate as NO3	mg/t	10.74	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation	
18	Percent Sodium	*6	49.97	HECS /WT/SOP/002:: 2019	NA	NA	
19	pH at 25°C	-	7.62	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation	
20	Phenolic compounds as C6H5OH	sng/l	BLQ(LOQ:0.00 1)	15 3025 Part 43 Sec 1: 2022	0.001	0.002	
21	Potassium as K	Ing/I	8.0	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	
83	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	3.36	18 11624 : 2019	NA	NA	
24	Sodium as Na	mg/l	125.0	45 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA	



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	TEST REPORT		Page: 3 of 4
The state and		ULR.	: TC1231024000043967F
回话是这些		Report No.	HECSL/WT/017/130924
Name of the Client	: M/s. SIPCOT	Sample ID No	: 130924055
		Sampling Date	: 13/09/2024
Address of the Client	: Vallam Vadagal		
Group	: Water	Received Date	13/09/2024
Sample Name	[±] Ground Water (All)	Commenced Dat	e: 13/09/2024
Sample Mark	: Vallam	Completed On	: 19/09/2024
Sample Reference	: NA	Report Date	19/09/2024
Sample Drawn By	: M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantity	y 1 Litres
Sample Location	1 NA		
Environmental Condition	: Temperature ("C): 29.0 Humidity (%): 51.0		
Sampling Method & Plan	: IS 17614(Part-1):2021		

S.No.	Test Parameters	Units	Results	Test Method	15 10500 : 2012		
					Acceptable Limits (Mini)	Permissible Limits (Max)	
25	Sulphate as SO4	mg/l	91.36	18 3025 Part 24 Sec 1: 2022(Turbidity Method)	200	400	
26	Total alkalinity as CaCO3	mg/l	250.0	1S 3025 (Part 23): 1986	200	600	
27	Total dissolved solids	mg/l	778.0	IS 3025 (Part 16): 1984	500	2000	
28	Total Suspended Solids	mg/t	8LQ(LOQ:2.0)	1\$ 3025 (Part 17): 1984	NA	NA	
29	Phosphate as PO4	mp/t	0.27	1S 3025 Part 31 Sec 1: 2022 (Stammus Chloride method)	NA	NA	
30	Phosphorous us P	/up/1	0.083	IS 3025 Part 31 Sec 1: 2022 (Stannous Chiloride method)	NA	NA	
33	Total hardness as CaCO3	mg/l	260.0	18 3025 (Part 21): 2009	200	600	
32	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	T .	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	Cadmiuni	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation	
36	Chromium	mg/I	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation	
37	Copper	mg/1	8LQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5	



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	TEST REPORT		Page: 4 of 4
THE ASSAULT		ULR	: TC1231024000043967F
回行建筑的		Report No.	: HECSL/WT/017/130924
Name of the Client	M/s. SIPCOT	Sample ID No.	1 130924055
		Sampling Date	1 13/09/2024
Address of the Client	: Vallam Vadagal		
Group	1 Water	Received Date	13/09/2024
Sample Name	Cround Water (All)	Commenced Date	: 13/09/2024
Sample Mark	: Vallam	Completed On	: 19/09/2024
Sample Reference	÷ NA	Report Date	: 19/09/2024
Sample Drawn By	: M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantity	1 Litzes
Sample Location	÷ NA		
Environmental Condition	: Temperature ("C): 29.0 Humidity (%): 51.0		
Sampling Method & Plan	: IS 17614(Part-1):2021		

S.No.	Test Parameters	Test Parameters Units Results Test Method	Results	Test Method	TS 10500	TS 10508 : 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	
10	Mercury	ngi	BLQ (LOQ) 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation	
43	Nickel	figm	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relasation	
42	Selenium	mgd	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation	
43	Zinc	Pgm	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

					teport No.	1 HECSL/WT/017/130924/N	
Name	of the Client	: M/s. SIPCOT		5	Sample ID No	: 130924055	
Addri	ss of the Client	: Vallam Vadagal		3	Sampling Date	: 13/09/2024	
Group		: Water		3	Received Date	: 13/09/2024	
Sample	imple Name Ground Water (AB) Commenced Date: 13/09/2024				ir: 13/09/2024		
Sample	Mark	: Valtam		(Completed On : 19/09/2024		
Sample	Reference	± NA		10	Report Date	19/09/2024	
Sample Drawn By : M/s.Hubert Enviro car		iro care Systems (J	care Systems (P) Ltd. Sample quantit		ty 1 Litres		
Sampl	e Location	= NA					
	nmestal Condition ng Method & Plan	: Temperature (" : IS 17614(Part-1		idity (%) : 51.0			
S.No.	Test Parameters		Units	Results		Test Method	
Discip	line : Chemical			1911-010		a a a a a a a a a a a a a a a a a a a	
1	Hexavalent Chromi	ium as Cr6+	mg/l	BLQ(LOQ:0	01) IS	3025 Pari 52: 2003 (Diphenyl Carbozide method)	

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



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			TEST	<u>REPORT</u> ULR Report No.	Page : TC12310244 [:] HECSL/WI		
Name	of the Client	M/s. SIPCOT		Sample ID No			
Addr	ess of the Client	: Vallam Vadag	al	Sampling Dar	: 13/09/2024		
Group	i:	: Water		Received Date	= 13/09/2024		
23 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		: Ground Water	(All)	Commenced 1	Date : 13/09/2024		
		Santhavellore		Completed On			
Sampi	e Reference	: NA		Report Date	: 19/09/2024		
Sample Drawn By		: M/s.Hubert Enviro care Systems (P) Ltd. Sample			tity 1 Litres		
Sampl	ing Method & Pian Test Parameters	: IS 17614(Part-		rmidity (%) : 51.0 Test Method	LS 1050	0 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)	
Disci	pline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(1.0Q:0.02)	1S 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation	
2	Anionic Surface Activ agents as MBAS	ve mg/i	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B , C): 2017	0,2	N.	
3	Wi carbonnie	mg/ī	230.0	15 3025 Part 51: 2001	NA	NA	
4	Biological Oxygen Demand (BOD)@ 27	mgđ	BLQ(LOQ-2.0)	LS 3025 Part 44: 1993	NA	NA	

4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mgđ	BLQ(LOQ-2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as H	ngñ	BLQ(LOQ:0.1)	15 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	48.09	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	15 3025 Part 51: 2001	NA	NA
8	Chemical Osygen Demand (COD)	mg/I	BLQ(LOQ:4.0)	18 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/I	235.16	IS 3025 Part 32: 19884 Argentometric Method)	250	1000
10	Colour	Hazen unita	BLQ(LOQ:1.0)	1S 3025 (Part4): 2021	5	15
11	Cyanide as CN	ngA	BLQ(LOQ 0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	ngA	6.7	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NΛ



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Sample Reference Sample Drawn By Sample Location Environmental Condition	: Santhavellore : NA : M/s.Hubert Enviro care Systems (P) Ltd. : NA : Temperature (°C) : 29.0 Humidity (%) : 51.0	Completed On	19/09/2024 19/09/2024
Group Sample Name Sample Mark	: Water : Ground Water (All)	Received Date Commenced Date	13/09/2024 13/09/2024
Address of the Client	: Vallam Vadagal	Sample ID No	: 130924056 : 13(09/2024
Name of the Client	TEST REPORT		Page : 2 of 4 : TC1231024000043968F : HECSL/WT/018/130924

S.No.	Test Parametera	tera Unite Resulta Test Method		TS 1050	15 10500 ; 2012	
13	Electric de la contra			Acceptable Limits (Max)	Permissible Limits (Max)	
1.2	Electrical Conductivity at 25°C	µS/cm	1120.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.45	APHA 23rd edition (Method 4500F- B , D): 2017	1.0	1.5
15	fron as Fe	mg/l	0.071	1S 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	ing/l	24.3	1S 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
17	Nitrate as NO3	l'gen	7.67	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	52.32	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25℃	*	7.18	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
50	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.00	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
-	Potassium as K	mg/l	8.0	IS 3025 Part 45: 1993 (Fleme emission Photometric Method)	NA	NA
	Residual Sodiana Carbonate	meqd	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
	Sodium Adsorption Ratio(SAR)	Square root of (millimole/in	3.42	IS 11624 : 2019	NA	NA
4	Sodenm as Na	mgA	117.0	IS 3025 Part 45: 1993 (Fieme emission Photometric Method)	NA	NA



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ELSC: CONTRACTOR

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Cadmium

Chronium

Capper



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				TEST	REPORT	ULR Report No.	: TC1231024 : HECSL/W		
Name	of the Client	: M/s.	SIPCOT			Sample ID No	1-10-20-20-20-20-20-20-20-20-20-20-20-20-20		
Addr	ess of the Client	: Vallı	im Vadaga	1		Sampling Date	: 13/09/2024		
Group		: Wate	er.			Received Date	10000000000		
0.000	e Name	Grou	ind Water	(All)			htte: 13/09/2024		
Sample Mark : Santhavellor		haveilore			Completed On				
Sampb	e Reference	1 NA				Report Date	: 19/09/2024		
Sampl	e Drawn By		Hubert En	viro care System	(P) Ltd.	Sample quant	iny 11 Litres		
Envirs	le Location immental Condition ing Method & Plan		perature (° /614(Part-)		midity (%) : 51.0				
S.No.	Test Parameters	e 11	Units	Results	Test Method		1S 10500 ± 2012		
							Acceptable Limita (Max)	Permissible Limits (Max)	
25	Sulphate as SO4		mg/l	126.37	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)		200	400	
26	Total alkalinity as Ca	C03	mg/1	230.0	15-3025 (Part 2	23): 1986	200	600	
27	Total dissofved solid	š	P.gm	627.0	1S 3025 (Part)	6): 1984	500	2000	
28	Total Suspended Soli	ds-	mg/l	2.0	1S 3025 (Part 1	7): 1984	NA	NA	
29	Picosphate as PO4		mg/I	0.46	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)		NA	NA	
30	Phosphorous as P		eng/l	0.140	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)		NA	NA	
31	Total hardness as Ca	CO3	mg/l	220.0	IS 3025 (Part 2	21): 2009	200	600	
32	Turbidity, NTU		NTU	1.1	IS 3025 (Part)	(0): 1984	1	5	
33	Arsenic		mg/l	BLQ (LOQ:	IS 3025 (Part 10): 1984 USEPA 200.8 : 1994		0.01	No relaxatio	
				0.005)					

Chennal Public Chennal Chennal

0.01)

BLQ (LDQ:

0.001)

BLQ (LOQ:

(10.0)

BLQ (LOQ:

0.01)

mg/l

mg/l

mg/l

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0.003

0.05

0.05

No relaxation

No relaxation

1.5

USEPA 200.8 : 1994

USEPA 200.8 : 1994

USEPA 200.8 : 1994

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TEST REPORT		Page: 4 of 4
	ULR	: TC1231024000043968F
	Report No.	: HECSL/WT/018/130924
: M/s. SIPCOT	Sample ID No.	: 130924056
	Sampling Date	: 13/09/2024
: Vallam Vadagal		
: Water	Received Date	: 13/09/2024
[±] Ground Water (All)	Commenced Dat	e: 13/09/2024
: Santhavellore	Completed On	: 19/09/2024
: NA	Report Date	: 19/09/2024
- M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantity	y ² 1 Litres
¹ NA		
¹ Temperature (°C) : 29.0 Humidity (%) : 51.0		
: IS 17614(Part-1):2021		
	 M/s. SIPCOT Vallam Vadagal Water Ground Water (All) Santhavellore NA M/s.Hubert Enviro care Systems (P) Ltd. NA Tensperature (°C) : 29.0 Humidity (%): 51.0 	ULR Report No. Sample ID No Sampling Date Vallam Vadagal Vallam Vadagal Water (All) Samthavellore Samthavellore NA M/s.Hubert Enviro care Systems (P) Ltd. Tensperature (°C) : 29.0 Humidity (%) : 51.0

S.No.	Test Parameters	Unita	Results	Test Method	18 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	Mercury	mgA	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation	
41	Nickel	Pape	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation	
47	Scienium	ng/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation	
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15	

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

End of Report



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TEST REPORT

Page 1 of 1

					Ceport No.	5 HECSL/WT/018/130924/N	
Narm	of the Client	: M/s. SIPCOT		3	sample ID No	: 130924056	
Addr	ess of the Client	: Vallam Vadaga	ı	1	Sampling Date	; 1,3/09/2024	
Group		: Water		0	teccived Date	13/09/2024	
Sample	Sample Name Cround Water (All)				Commenced Date: 13/09/2024		
Sample	ample Mark : Santhavellore			(Completed On	19/09/2024	
Sample	Sample Reference : NA				Report Date = 19/09/2024		
Sampl	c Drawn By	: M/s.Hubert En	viro care Systems (I	2) Ltd.	Sample quantity = Litres		
Sampl	e Location	÷ NA					
	emental Condition ng Method & Plan	¹ Temperature (" ¹ IS 17614(Part-)		idity (%) : 51,0			
S.No.	Test Pr	arameters	Units	Results		Test Method	
Discip	dine : Chemical		A	-			
1.	Hexavalent Chromi	um as Cr6+	mg/I	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 litre.



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			Т	EST REPORT	ULR Report No.	: TC12310	age : 1 of 4 24000043969F WT7049/130924
Name	of the Client	* M/s. SIPCOT			Sample ID No	: 13092408	
Addr	ess of the Client	: Vallam Vadaga	d		Sampling Date	: 13/09/202	14
Group		: Water			Received Date	13/09/202	14
Sample	Name	Surface Water	(All)		Commenced Da		
		: Lake near Peri	njambakkar		Completed On	19/09/202	4
Sample	Reference	1 NA	25 CA CA 200		Report Date	: 19/09/202	24
Sample	e Drawn By	: M/s.Hubert En	viro care Sy	stems (P) Ltd.	Sample quanti		
Sampl	e Location	* NA	비밀 다 아 집 위원	2010/07/07/07/07/07/07		000000000000	
	nmental Condition og Method & Plan	: Temperature (: IS 17614(Part-		Humidity (%) :	51.0		
S.No.	Test Pa	rainclers	Units	Results	Test Meth	ıod	Surface water Standards (IS 2296 Class-A)
Discip	line : Chemical			-			
1	Ammonia as NH3		ing/l	BLQ(LOQ:0.02)	IS 3025 Part 34 St	× 2: 2021	NA
2	Bi carbonate		mg/l	160.0	1S 3025 Part 51	: 2001	NA
8	Biological Oxygen I 27°C For 3 days	Demand (BOD)(ĝ)	mg/l	4.0	18 3025 Part 44	: 1993	2
4	Boron as B		mg/1	BLQ(LOQ:0.1)	LS 3025 Part 57: 202	Curcumin	NA

	27°C For 3 days	-			
4	Boron as B	ngri	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/1	44.09	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/i	32.0	1S 3025 Part 58: 2006	NA
7	Chloride as Cl	mg/l	127.37	1S 3025 Part 32: 1988 (Argentometric Method)	250
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	10
9	Dissolved oxygen	mg/t	6.1	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µ.S/cm	794.0	1S:3025 Part 14: 2013	NA
0	Fluoride as F	mg/l	0.44	APHA 23rd edition Method 4500 F -B,D: 2017	1.5
12	Iron as Fe	ngrt	0.12	1S 3025 Part 53; 2003	0.3
13	Nitrate as NO3	mg/l	11.56	APHA 23rd edition Method 4500 NO3B: 2017	20

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1

S.No.	Test Pa	rameters	Units	Results	Test Meth	hod	Surface water Standards
	neutal Condition Method & Plan	* Temperature * IS 17614(Part	1	Humidity (%): 5	1.0		
36302.623	Location	7 NA					
- 1 V V	Drawn By	: M/s.Hubert E	nviro care Syst	ems (P) Ltd.	Sample quantit	y 1 Litres	
Sample B	beference	: NA			Report Date	: 19/09/202	4
Sample N	Aark	: Lake near Per	injambakkam		Completed On	: 19/09/202	ŧ
Sample N	tame:	For Surface Water	r (All)		Commenced Da	ic: 13/09/202	1
Group		I Water			Received Date	1 13/09/202	4
Address	s of the Client	r Vallam Vədaş	pal		Sampling Date	: 13/09/202	4
Name o	of the Client	* M/s. SIPCOT			Sample ID No	: 13092408	4
E K	建立实				Report No.		T/049/130924
正规					ULR		4000043969F
题			TE	ST REPORT		Pa	ge:2 of 4

5.NO.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	рН ат 25°С		7.61	1S 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	437.0	IS 3025 Part 16: 1984	500
16	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 $t\bar{t}$, $C_{\rm c}^{-}$ 2017	0.2
17	Carbonate	mg/l	BLQ(LOQ 1.0)	IS 3025 Pari 51: 2001	NA
18	Cyanide as CN	mg/i	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg	ուքմ	21.87	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	24,28
20	Percent Sodium	%	40.48	HECSG /WT/SOP/002 Issue No:01,Issue date 18.12: 2021	NA
21	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	0.002
22	Phosphate as PO4	ngA	0.098	APHA 23rd edition Method 4500-P B.D: 2017 +	NA
23	Potassium as K	mg/l	5.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	15 11624: 2019	NA
25	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	1.99	1S 11624: 2019	NA



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S.No. Test I	arameters	Units	Results	Test Meth	iod	Surface water Standards
Environmental Condition iampling Method & Plan	[‡] Temperature ‡ IS 17614(Part		Humidity (%):5	1.0		
Sample Location	* NA					
Sample Drawn By	I M/s.Hubert E	aviro care Sys	tems (P) Ltd.	Sample quanti	y11 Litres	
Sample Reference	: NA			Report Date	\$ 19/09/202	4
Sample Mark	: Lake near Per	rinjambakkam	ć	Completed On	: 19/09/202	4
Sample Name	Surface Wate	r (All)		Commenced Da		
Group	: Water			Received Date	13/09/202	4
Address of the Client	: Vallam Vada	gal		Sampling Date	: 13/09/202	4
Name of the Client	² M/s. SIPCOT			Sample ID No	: 13092408	
回译现此				Report No.		24000043969F WT/049/130924
		TE	ST REPORT	ULR		age : 3 of 4

	The factoring	Chilly	Results	Test Method	Surface water Standards (IS 2296 Class-A)
26	Sodium as Na	ing/l	65.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO4	mg/I	40.47	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO3	mg/i	160.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO3	ngri	200.0	IS 3025 Part 21: 2009	300
30	Total Phosphorous as P	mg/l	0.029	15 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Solids	Pagen	4.0	15 3025 Part 17: 1984	NA
32	Turbidity	NTU	1.8	1S 3025 Part 10: 1984	1
33	Arsenie	nggm	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	I I
35	Cadminuy	mg/I	8LQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.001
36	Chromium	mg/T	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05
37	Copper	mgA	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994.	1.5
38	Lead	ngt	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
39	Manganese	ngn	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.5
40	Mercury	ing/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001



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S.No.	Test P	arameters	Units	Results	Test Meth	bod	Surface water Standards	
	ental Condition Method & Plan	* Temperature (lumidity (%) : 51	.0			
Sample L		² NA						
	Drawn By		inviro care Syst	ems (P) Ltd.	Sample quanti	Sample quantity 1 Litres		
	Reference	1 NA			Report Date	: 19/09/202	4	
Sample N		: Lake near Pe	rinjambakkam		Completed On	: 19/09/202	4	
Sample 8	Name	Surface Wate	r (All)		Commenced Da	Commenced Date # 13/09/2024		
Group		7 Water			Received Date	: 13/09/202	4	
Addres	s of the Client	: Vallam Vada	gal		Sampling Date	: 13/09/202	4	
Name (of the Client	* M/s. SIPCOT			Sample 1D No	13092408		
E.K.	建立实				Report No.		VT/049/130924	
正规	2020				ULR		24000043969F	
で			TE	ST REPORT		Pa	ee: 4 of 4	

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
41	Nickel	mg/i	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
42	Sefenium	ngi	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0,01
43	Zinc	Digen	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.



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TEST REPORT

Page: 1 of 1

					Report No.	1 HECSL/WT/049/130924/N
Nam	e of the Client	* M/s. SIPCOT	M/s. SIPCOT			: 130924088
Addr	ess of the Client	: Vallam Vadaga	E.		Sampling Date	: 13/09/2024
Group		* Water			Received Date	: 13/09/2024
Sample	e Name	* Surface Water (All)			Commenced Dat	
Sample	e Mark	z Lake near Perin	tjambakkam		Completed On	19/09/2024
Sample	Reference	INA.	55.501 <i>63864860</i> 8		Report Date	: 19/09/2024
Sample	e Drawn By	: M/s.Hubert En	viro care Systems (I	PLId.	Sample quantit	
iampl	e Location	* NA	010330003700000	No. 1995	1101 1 COS 10 CO	
	nmental Condition og Method & Plan	* Temperature (" ‡ IS 17614(Part-)		idity (%) : 51.0		
S.No.	Test Pa	rameters	Units	Results		Test Method
Discip	line : Chemical					
Hexavalent Chromium		mg/l	BLO(LOO:0.01)		15 3025 Part 52: 2003	
	11.0 ch 10 ch 1			and the second se	0.000	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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 Report No.	: TC12310	age : 1 of 4 24000043970F WT/050/130924
Name	of the Client	[‡] M/s. SIPCOT			Sample ID No	; 13092408	9
Addre	ess of the Client	: Vallam Vadag	al		Sampling Date	: 13/09/202	4
511 Y MOC		¹ Water ² Surface Water 1 Theneri Lake ² NA ² M/s.Hubert E		tems (P) Ltd.	Received Date Commenced Dat Completed On Report Date Sample quantit	= 1 13/09/202 = 19/09/202 = 19/09/202	4 4
Sampl Enviro	e Location mnental Condition ng Method & Plan	[‡] NA [‡] Temperature ‡ IS 17614(Part	(°C): 29.0	Humidity (%) :	- 1. D		
S.No.	Test Pi	irameters	Units	Results	Test Meth	ođ	Surface water Standards (IS 2296 Class-A
Discip	line : Chemical						
1	Ammonia as NH3		mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Se	e 2: 2021	NA
2	Bi carbonate		mg/l	175.0	IS 3025 Part 51	: 2001	NA
3	Bioingical Oxygen 27°C For 3 days	Demand (BOD)@	ing/l	3.0	1S 3025 Part 44	1993	2
4	Botun as B		mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 202 Method)		NA
5	Calcium 25 Ca		nsg/l	38.07	IS 3025 Part 40: 19 Titrimetric Me	CONTENTS 1000 S	80.10
6	Chemical Oxygen I	Demand (COD)	mg/l	24.0	-IS 3025 Part 58	2006	NA
7	Chloride as Cl		mg/l	132.27	1S 3025 Part 32 Argentometric	Departments	250
8	Colour		Hazen units	BLQ(LOQ:1.0)	15 3025 Part 4	2021	10
				and a second sec			

Dissolved oxygen 6.1 IS 3025 Part 38: 1989 ing/l Electrical Conductivity at 25°C µS/cm 871.0 IS:3025 Part 14: 2013 Fluoride as F mg/l 0.37 APHA 23rd edition Method 4500 F -B.D. 2017 IS 3025 Part 53: 2003 mg/l 0.16 Nitrate as NO3 6.95 mg/l APHA 23rd edition Method 4500 MOUR-DOIT



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NA

1.5

0.3

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	TEST REPORT	ULR	Page : 2 of 4 : TC1231024000043970F
Name of the Client	* M/s. SIPCOT	Report No. Sample ID No	* HECSL/WT/050/130924 * 130924089
and the contract		Sampling Date	: 13/09/2024
Address of the Client	: Vallam Vadagal	Sampong Lone	13/09/2024
Group	* Water	Received Date	* 13/09/2024
Sample Name	Surface Water (All)	Commenced Date	
Sample Mark	: Theneri Lake	Completed On	19/09/2024
Sample Reference	1 NA	Report Date	: 19/09/2024
Sample Drawn By	: M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantity	Construction of the second s second second sec second second sec second second sec
Sample Location	*NA	22-000000000	0.0.7770.00
Environmental Condition	* Temperature (*C) : 29.0 Humidity (%) : 51.0		
Sampling Method & Plan	+ IS 17614(Part-1):2021		

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A.)
14	pH at 25°C	-	7.82	IS 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	460.0	1S 3025 Part 16: 1984	500
10	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B , C: 2017	0.2
17	Carbonate	mg/l	BLQ(LOQ:1.0)	15 3025 Part 51: 2001	NA
18	Cyanide as CN	mg/i	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg	mgA	18.22	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	24.28
20	Percent Sodium	%	44.13	HECSG /WT/SOP/002 Issue No.01.Jssue date 18.12: 2021	NA
21	Phenolic compounds as C6H5OH	ngfl	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	0.002
22	Phosphate as PO4	ring/1	0.36	APHA 23rd edition Method 4500-P B.D: 2017	NA
23	Potassium as K	nig/I	6.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate	reg/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA
25	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	2.13	IS 11624: 2019	NA



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38	- 668-5			TI KLI OKI	12124	P	age : 3 of 4
133	C#5#2				ULR	: TC12310	24000043970F
	-33E-7.220-				Report No.	" HECSL/	WT/050/130924
Name	of the Client	* M/s. SIPCOT			Sample ID No	: 13092408	19
					Sampling Date	: 13/09/202	14
Addre	ess of the Client	t Vallam Vadag	al				
Group		# Water			Received Date	13/09/202	14
Sample	Name	Surface Water	r (All)		Commenced Da	te: 13/09/202	14
Sample	Mark	: Theneri Lake			Completed On	: 19/09/202	24
Sample	Reference	I NA			Report Date	: 19/09/202	24
Sample	Drawn By	: M/s.Hubert E	nviro care Syst	ems (P) Ltd.	Sample quanti	y 1 Litres	
Sample	e Location	INA	0.011/02/02/02/02/02				
1110022	omental Condition ng Method & Plan	[‡] Temperature [‡] IS 17614(Part	500550 ADM 100 A	Humidity (%) : 5	1.0		
S.No.	Test Pa	rameters	Units	Results	Test Met	had	Surface water Standards (IS 2296 Class-A)
26	Sodium as Na		mg/l	64.0	IS 3025 Part 43	5: 1983	NA

					(IS 2296 Class-A)
26	Sodium as Na	mg/l	64.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO4	mg/l	27.31	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO3	mg/l	175.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO3	.mg/l	170.0	IS 3025 Part 21: 2009	300
30	Total Phosphorous as P	mg/l	0.14	18 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Solids	mg/1	3.0	IS 3025 Part 17: 1984	NA
32	Turbidity	NTU	1.6	IS 3025 Part 10: 1984	1. I.
33	Arsenic	mg/1	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	ngA	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0,001
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.5
38	Lead	ngñ	BLQ (LOQ: - 0.005)	USEPA 200.8 : 1994	0.1
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.5
40	Mercury	ngđ	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001



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	TEST REPORT		Page: 4 of 4
		ULR	: TC1231024000043970F
TELE-VERYOR		Report No.	1 HECSL/WT/050/130924
Name of the Client	¹ M/s. SIPCOT	Sample ID No	: 130924089
Address of the Client	: Vallam Vadagal	Sampling Date	: 13/09/2024
Group	: Water	Received Date	* 13/09/2024
Sample Name	* Surface Water (All)	Commenced Date	
Sample Mark	: Theneri Lake	Completed On	: 19/09/2024
Sample Reference	‡ NA	Report Date	+ 19/09/2024
Sample Drawn Hy	1 M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantity	
Sample Location	* NA	0.0-0	
Environmental Condition Sampling Method & Plan	¹ Temperature (°C) : 29.0 Humidity (%) : 51.0 ¹ IS 17614(Part-1):2021		

S.No.		Units	Results	Test Method	Surface water Standards (1S 2296 Class-A)
41	Nickel	rtig/I	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, mgfl - Milligrams per liter. ***End of Report***



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TEST REPORT

Page: 1 of 1

			Repo	et No.	1 HECSL/WT/050/130924/N
Name of the Client	1 M/s. SIPCOT		Samp	ile ID No	: 130924089
Address of the Clie	nt : Vallam Vadag	al	Samp	iling Date	13/09/2024
Group	: Water		Rece	ived Date	1 13/09/2024
Sample Name	* Surface Water	(All)	Com	menced Da	te: 13/09/2024
Sample Mark	: Theneri Lake			pleted On	19/09/2024
Sample Reference	± NA		Reps	rt Date	19/09/2024
Sample Drawn By	* M/s.Hubert E	uviro care Systems (I	P) Ltd. Sam	ple quanti	ly ¹ 1 Litres
Sample Location	4 NA				1999 (1999) - Carlos (1999)
Environmental Condit Sampling Method & P	a compression of		idity (%) : 51.0		
S.No. T	est Parameters	Units	Results		Test Method
Discipline + Chemic	lai		/		CONTRACTOR IN CONTRACTOR OF
1 Hexavalem C	bromium	ngA	BLQ(LOQ:0.01)	1	IS 3025 Pan 52: 2003

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



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			TEST R	EPORT ULR Repor		Page : 1 of 3 1 TC1231024000043741F 1 HECS/PE/008/130924
Nar	ne of the Client	# M/s. SIPCOT		Sampl	e ID No	: 130924052
Add	lress of the Client	: Vallam Vadagal		Samp	ing Date	: 13/09/2024
Grou	P	· Pollution & Envir	onment	Receiv	ed Date	13/09/2024
Samy	de Name	Soil(All)				c: 13/09/2024
Samp	ile Mark	: Alagoor			leted On	18/09/2024
Samp	de Reference	I NA		Repor	Date	: 18/09/2024
Sarnı Envir	sle Drawn By ple Location rommental Condition ding Method & Plan	* M/s.Hubert Envir * NA * Temperature (°C * ICARDA:2013		16//02	le quantit	y*1 Kg
S.N	o. Test Pr	arameters	Units	Results		Test Method
Disc	ipline t Chemical		e care	A STREET, STRE		
1	Cadmium		mg/Kg	BLQ (LOQ: 0.1)	HEC	S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium		mg/Kg	27.20	HEO	S-G/INS/SOP/042 Issue No.:01
					-	Issue Date:01.03.2021
4	Copper		mg/Kg	6.32	HEC	Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
Ì.	Copper		mg/Kg mg/kg	6.32 32,12		S-G/INS/SOP/ 042 1884# No01
6					ны	S-G/INS/SOP/ 042 Issue No.301 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.301 Issue Date:01.03.2021
6 7 8	Zine			32.12	FAO (S-G/INS/SOP/ 042 Issue No. 01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No. 01 Issue Date:01.03.2021 of United Nations, Rome Chapter HI 2008
4 6 7 8 9	Zine Soil Texture		mg/kg	32.12 Clay loam	FAO (S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 of United Nations, Rome Chapter HJ 2008 of United Nations, Rome Chapter
6 7 8	Zine Soil Texture Soil Texture i)Sand		mg/kg %	32.12 Clay loam 29.4	FAO (FAO (FAO (S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 of United Nations, Rome Chapter H1 2008 of United Nations, Rome Chapter H1 2008 of United Nations, Rome Chapter
6 7 8	Zine Soil Texture Soil Texture i)Sand Soil Texture ii)Silt	у	mg/kg %	32.12 Clay loam 29.4 29.2	FAO (FAO (FAO (S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-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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			TEST RE	PORT ULR Repo	: TC1231	Page : 2 of 3 024000043741F •E/008/130924
Name	of the Client	I M/s. SIPCOT		Samp	le ID No : 1309240	52
Addre	ess of the Client	: Vallam Vadaga	E.	Samp	ling Date : 13/09/20	124
Group		+ Pollution & Env	ironment	Rece	ved Date + 13/09/20	24
1.1.1.1.1.1.1.1	: Name	^z Soil(All)			menced Date # 13/09/20	124
100.000	e Mark	: Alagoor		1.12.23	pleted On 118/09/20	124
	e Reference	: NA		10.00 Tel:	ri Date \$18/09/20)24
	Drawn By		(iro care Systems (P)	Ltd. Sam	sle quantity ‡1 Kg	
	e Location	* NA				
	nmental Condition ing Method & Plan	: ICARDA:2013	C): 31.0 Humid	ity (%): 54.0		
S.No.	Test Pa	urameters	Units	Results	Test	Method
11	Bulk Density		gm/cm3	1.20	FAO of United 1	Vations Rome 2007
12	Organic Carbon		%	1.86	15 2720 (Part 2	23) Section I 1972
13	Organic Matter		%	3.22	IS 2720 (Part 2	22) Section I 1972
14	Available Potassiur	1	mEq/100g	13.47		tions, Rome Chapter 2008
	Boron as B		mgfkg	BLQ(LOQ 0.1)		SW/SOP/018 Issue Dute:02:07 2020
15	1				111111111111111111111111111111111111111	
15	Total Nitrogen as N		%	0.0454		Clause 4 1999
15 16 17	Total Nitrogen as N Exchangable Caleio		% mEq4.	0.0454 9.72	IS 14684 (FAO of United Na	the second s
16	and the second sec	im as Ca		5776-57	IS 14684 (FAO of United Na III FAO of United Na	Clause 4 1999 tions, Rome Chapter
16 17	Exchangable Calcie	im as Ca csium as Mg	mEq4.	9.72	IS 14684 (FAO of United Na III FAO of United Na III	Clause 4 1999 ticos, Rome Chapter 1 2008 ticos, Rome Chapter
16 17 18 19	Exchangable Calcie Exchangable Magn	im as Ca csium as Mg apacity	mEq4. mEq/I.	9.72	IS 14684 (FAO of United Na III FAO of United Na III IS 2720 (Part 1	Clause 4 1999 tions, Rome Chapter 2008 tions, Rome Chapter 2008
16 17 18	Exchangable Calcie Exchangable Magn Cation Exchange C	im as Ca csium as Mg apacity	mEq/L mEq/L mEq/100g	9.72 9.10 5.6	IS 14684 (FAO of United Na III FAO of United Na III IS 2720 (Part IS 147 HECS-G/ENV/2	Clause 4 1999 tions, Rome Chapter 2008 tions, Rome Chapter 2008 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

				Repo	rt No.	* HECS/PE/008/130924/N
Name	of the Client	: M/s. SIPCOT		Samp	le ID No	: 130924052
Addre	ess of the Client	: Vallam Vadag	al	Samp	ding Date	; 13/09/2024
Group		: Pollution & Ep	wironment	Recei	ved Date	\$ 13/09/2024
Sample	Name	* Soil(All)		Com	nenced Da	te113/09/2024
Sample	Mark	; Alagoor		Com	sleted On	\$ 18/09/2024
Sample	Reference	: NA		Repo	n Date	18/09/2024
	Draws By Location	‡ M/s.Hubert En ‡ NA	wiro care Systems (P) I	.td. Samp	sle quantit	y ¹ 1 Kg
	mental Condition 1g Method & Plan	¹ Temperature (1 ICARDA:2013		y (%) : 54.0		
S.No.	Test Pr	arameters	Units	Results		Test Method
Discip	line + Chemical			a factor of the second s		
1	Manganese		mulko	136.35		LINESE CAMPAGEMENTS

1	Manganese	mg/kg	136.25	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	8.46	Inhouse method
8	Infiltration Rate	cathr	6.5	Inhouse method
f.	Moisture	56	8.04	HECS-G/ENV/SSW/SOP/003 Usate No.:01 Isate Date:32:07: 2020

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



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			TEST RI	EPORT ULR Repor	- 1C1231024000043742P
Nat	ne of the Client	1 M/s. SIPCOT		Sampl	le ID No : 130924053
Add	lress of the Client	: Vallam Vadagal		Sampl	ling Date : 13/09/2024
Sample Name [‡] Soil(A Sample Mark [‡] Vallar		[‡] Pollution & Env [‡] Soil(All) ‡ Vallam ‡ NA			ved Date # 13/09/2024 nenced Date # 13/09/2024 deted On # 18/09/2024
Samp Samp Envir	de Drawn By ple Location unmental Condition ding Method & Plan	‡ M/s.Hubert Env ‡ NA	iro care Systems (P 2) : 31.0 Humio) Ltd. Samp	n Date \$ 18/09/2024 sle quantity \$ 1 Kg
S.N		rameters	Units	Results	Test Method
Disc	ipline : Chemical			(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
1	Cadmium		mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chronium		mg/Kg	19.30	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
4	Copper		mg/Kg	4.99	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
6	Zinc		mg/kg	32.01	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
7	Soil Texture		2	Loam	FAO of United Nations, Rome Chapter 111 2008
8	Soil Texture i)Sand		76	35.3	FAO of United Nations, Rome Chapter III 2008
9	Soil Texture ii)Silt		3%	42.3	FAO of United Nations, Rome Chapter III 2008
	Soil Texture iii)Clay	1	%	22.6	FAO of United Nations, Rome Chapter
10	som realine inpany				III 2008
10	pH Value @ 25 ° C Electrical conductive	and the second designed of the second s	. ÷	8.24	III 2008 IS 2720 (Part 26) 1987



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			TEST RE	PORT ULR Repor		Page : 2 of 3 : TC1231024000043742F : HECS/PE/009/130924
Name	of the Client	M/s. SIPCOT		Sampl	c ID No.	: 130924053
Addri	ess of the Client	: Vallam Vadagal		Sampl	ing Date	1 13/09/2024
Group		· Pollution & Envi	ronment	Receiv	red Date	13/09/2024
Sample	. Name	* Soil(All)		Comn	venced Dat	e‡13/09/2024
Sample	r Mark	; Vallam		Comp	leted On	: 18/09/2024
Sample	Reference	= NA		Repor	Date	18/09/2024
	: Drawn By	‡ M/s.Hubert Envi	ro care Systems (P)	Ltd. Samp	le quantit	Y ¹ I Kg
10	e Location	‡NA				
	nmental Condition): 31.0 Humid	ity (%) : 54.0		
	ng Method & Plan	ICARDA:2013		1	-	
S.No.	Test Pa	arameters	Units	Results		Test Method
11	Bulk Density		gna/cm3	1.30	FAC	of United Nations Rome. 2007
12	Organic Carbon		%	1.47	15	2720 (Part 22) Section 1 1972
13	Organic Matter		%	2.54	IS	2720 (Part 22) Section 1 1972
14	Available Potassium	α.	mEq/100g	9.82	FAO o	of United Nations, Rome Chapter III 2008
	Boron as B		mg/kg	BLQ(LOQ 0.1)	1.00000	CS-G/ENV/SSW/SOP/018 Issue lo: 01 Issue Date:02.07 2020
15						WEAR BOOME CAME ALT OF THEM
	Total Nitrogen as N		*%e	0.0184		IS 14684 Clause 4 1999
16	Total Nitrogen as N Exchangable Calcin		% mbq4.	0.0184 12.42		IS 14684 Clause 4 1999
15 16 17 18		nn as Ca			FAO	IS 14684 Clause 4 1999 of United Nations, Rome Chapter- III 2008
16 17 18	Exchangable Calcin	m as Ca rsium as Mg	mEq/L	12.42	FAO o	IS 14684 Clause 4 1999 of United Nations, Rome Chapter- III 2008 of United Nations, Rome Chapter
16 17	Exchangable Calcin	um as Ca esium as Mg apacity	тБqЛ. тБqЛ.	12.42	FAO o	IS 14684 Clause 4 1999 of United Nations, Rome Chapter III 2008 of United Nations, Rome Chapter III 2008
16 17 18 19	Exchangable Calcin Exchangable Magn Cation Exchange C	um as Ca esium as Mg apacity	mEq/L mEq/L00g	12.42 11.20 2.5	FAO o	IS 14684 Clause 4: 1999 of United Nations, Rome Chapter- III 2008 of United Nations, Rome Chapter III 2008 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

		Report No.	1 HECS/PE/009/130924/N
Name of the Client	[‡] M/s. SIPCOT	Sample ID No	: 130924053
Address of the Client	: Vallam Vadagal	Sampling Date	: 13/09/2024
Group	· Pollution & Environment	Received Date	* 13/09/2024
Sample Name	Soil(All)	Commenced Date	a set of set of set of set of set
Sample Mark	: Vallam	Completed On	18/09/2024
Sample Reference	1 NA	Report Date	# 18/09/2024
Sample Drawn By Sample Location	* M/s.Hubert Enviro care Systems (P) Ltd. * NA	Sample quantity	Contraction of the second s
Environmental Condition Sampling Method & Plan	* Temperature (*C) : 31.0 Humidity (%) : 54.0 * ICARDA:2013		

5.No.	Test Parameters	Units	Results	Test Method	
Discip	pline : Chemical				
t	Manganese	mg/kg	129,62	HECS-G/INS/SOP/ 042	
2	Iron	mg/kg	28.10	Inhouse method	
3	Infiltration Rate	cm/hr	9.6	Inhouse method	
4	Moisture	%	8.12	HECS-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 . "End of Report"



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			TEST R	UL	Page : 1 of 3 .R : TC1231024009043772F sort No. : HECS/PE/007/130924
Nam	e of the Client	[‡] M/s. SIPCOT		San	nple ID No 1130924051
Add	ess of the Client	: Vallam Vadagal		San	npling Date : 13/09/2024
Sampl Sampl Sampl	e Name e Mark e Reference e Drawn By le Location	* Pollution & Envi * Soil(All) * Thathanur * NA * M/s.Hubert Envi * NA		Cor Cor Rep	erived Date = 13/09/2024 mmenced Date = 13/09/2024 mpleted On = 18/09/2024 sort Date = = 18/09/2024 mple quantity = 1 Kg
	onmental Condition ing Method & Plan	[‡] Temperature (°C ‡ ICARDA:2013	(): 31.0 Humi	dity (%) : 54.0	
S.No	. Test Pa	arameters	Units	Results	Test Method
Disci	pline : Chemical				· · · · · · · · · · · · · · · · · · ·
1	Cadmium		mg/Kg	BLQ (LOQ: 0.1)) HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium		mg/Kg	23.04	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
4	Copper		mg/Kg	6.41	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date:01.03.2021
0	Zinc		mg/kg	20.54	HECS-G/INS/SOP/ 042 Issue No.301 Issue Date:01.03.2021
7	Soil Texture			Clay	FAO of United Nations, Rome Chapter III 2008
8	Soil Texture i)Sand		%	22,4	FAO of United Nations, Rome Chapter III 2008
9	Soil Texture ii)Silt		%	41.7	FAO of United Nations, Rome Chapter III 2008
10	Soil Texture iii)Clay	y	%	35.9	FAO of United Nations, Rome Chapter III 2008
					the state of the s
11	pH Value @ 25 * C	(1:2.5)	<u>i</u>	8.04	IS 2720 (Part 26) 1987



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			TEST RE	ULR	1 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Name	of the Client	[‡] M/s. SIPCOT		Repor	1 No. [‡] HECS/PE/007/130924 le ID No. [‡] 130924051
i suite.	COMMENCIAL	-masarreo1		10 A.	ling Date : 13/09/2024
Addre	ess of the Client	t Vallam Vadagal		Simp	ang tone a tonoraday
Group		¹ Pollution & Env	ironment	Receiv	ved Date # 13/09/2024
Sample Name * Soil(* Soil(All)		Coom	nenced Date # 13/09/2024
	e Mark	: Thathanur		Comp	deted On \$18/09/2024
	e Reference	I NA		0.545 (1.2	1 Dute \$ 18/09/2024
	Drawn By		iro care Systems (P)	Ltd. Samp	de quantity ² 1 Kg
	e Location	= NA			
	umental Condition ing Method & Plan	* Temperature (*C : ICARDA:2013	C): 31.0 Humid	ity (%): 54.0	
S.No.	Test Pi	arameters	Units	Results	Test Method
11	Bulk Density		gm/cm3	1.18	FAO of United Natious Rome 2007
12	Organic Carbon		5	0.44	1S 2720 (Part 22) Section I 1972
13	Organic Matter		%	0.76	IS 2720 (Part 22) Section 1 1972
14			and the same below a	2520 6525	
	Available Potassiun	n	mEq/100g	9.68	FAO of United Nations, Rome Chapter III 2008
1	Available Potassiur Boron as B	n	mEq/100g mg/kg	9.68 BLQ(LOQ 0.1)	
15			90, E		III 2008 HECS-G/ENV/SSW/SOP/018 Issue
15	Boron as B		mg/kg	BLQ(LOQ 0.1)	III 2008 HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02:07_2020
15 16 17	Boron as B Total Nitrogen as N	lum as Ca	mg/kg %	BLQ(LOQ 0.1) 0.0065	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02:07 2020 IS 14684 Clause 4 1999 FAO of United Nations, Rome Chapter
15	Boron as B Total Nitrogen as N Exchangable Calciu	um as Ca esium as Mg	mg/kg % mEq/L	BLQ(LOQ 0.1) 0.0065 8.50	III 2008 HECS-G/ENV/SSW/SOP/018 Issue No. 01 Issue Date:02:07-2020 15 14684 Clause 4 1999 FAO of United Nations, Rome Chapter III 2008 FAO of United Nations, Rome Chapter
15 16 17 18	Boron as B Total Nitrogen as N Exclumgable Calcin Exchangable Magn	i um as Ca esium as Mg apacity	mg/kg % mEq/L mEq/L	BLQ(LOQ 0.1) 0.0065 8.50 8.46	III 2008 HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02:07-2020 IS 14684 Clause 4-1999 FAO of United Nations, Rome Chapter III 2008 FAO of United Nations, Rome Chapter III 2008
15 16 17 18 19	Boron as B Total Nitrogen as N Exchangable Calcio Exchangable Magn Cation Exchange C	i um as Ca esium as Mg apacity	mg/kg % mEq/L mEq/100g	BLQ(LOQ 0.1) 0.0065 8.50 8.46 4.8	III 2008 HECS-G/ENV/SSW/SOP/018 Issue No. 01 Issue Date:02:07-2020 15 14684 Clause 4-1999 FAO of United 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



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TEST REPORT

Page: 1 of 1

				Report No.	¹ HECS/PE/007/130924/N
Name	e of the Client	* M/s. SIPCOT		Sample ID I	No :130924051
Adda	ess of the Client	: Vallam Vadag	at	Sampling D	are : 13/09/2024
Group		: Pollution & E	nvironment	Received D	ale 13/09/2024
Sample	e Name	Soil(All)		Commence	1 Date : 13/09/2024
Sample	e Mark	: Thathanur		Completed (On \$18/09/2024
Sample	r Reference	= NA		Report Date	\$ 18/09/2024
Sample	Drawn By	: M/s.Hubert Er	nviro care Systems (P)	Ltd. Sample qu	antity 1 Kg
Sampl	e Location	* NA			
	nmental Condition ng Method & Plan	* Temperature (ty (%) : 54.0	
S.No.	Test P	arameters	Units	Results	Test Method
Discip	dine : Chemical			01012526	2324410 ⁴ 102 ¹⁰
1	Manganese		mg/kg	89.03	HECS-G/INS/SOP/042

1	Manganese	mg/kg	89.03	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	0.92	Inhouse method
<u>8</u>	Infiltration Rate	cm/hr	3.45	Inhouse method
ł	Moisture	%	4.72	HECS-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 .



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が高回			TEST RE	PORT ULR Repo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Name	of the Chent	: M/s. SIPCOT		Samp	le ID No ± 130924050	
Addre	tss of the Client	: Vallam Vadagal		Samp	ling Date : 13/09/2024	
Group		· Pollution & Envir	onment	Recei	vod Date # 13/09/2024	
Sample	Name	+ Soil(All)		Com	nenced Date : 13/09/2024	
Sample Mark : santhavellore		: santhavellore		Com	oleted On #18/09/2024	
Sample	Reference	: NA			rt Date # 18/09/2024	
	Drawn By	2 M/s.Hubert Envir	o care Systems (P)	Ltd. Sam	ole quantity 1 Kg	
	e Location	¹ NA				
	nmental Condition ng Method & Plan	* Temperature (*C) * ICARDA:2013	1: 31.0 Humid	ity (%) : 54.0		
S.No.	The second se	arameters	Units	Results	Test Method	
11	Bulk Density		gm/cm3	1.32	FAO of United Nations Rome 2007	
12	Organic Carbon		%	2.27	IS 2720 (Part 22) Section 1 1972	
13	Organic Matter		%	3.92	IS 2720 (Part 22) Section 1 1972	
14	Available Potassiun	19	mEq/100g	16.54	FAO of United Nations, Rome Chapter III 2008	
15	Boron as B		mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020	
16	Total Nitrogen as N	¢ .	14	0.0125	15 14684 Clause 4 1999	
17	Exchangable Calen	um as Ca	mEq/L	8.48	FAO of United Nations, Rome Chapter III 2008	
18	Exchangable Magn	esium as Mg	mEq/L	10.54	FAO of United Nations, Rome Chapter III 2008	
19	Cation Exchange C	apacity	mEq/100g	8.5	1S 2720 (Part 24) Clause 5 1976	
0.037	Water Holding caps	acity	5%	18.8	IS 14765: 2000	
20	Colour		1.0	Red	HECS-G/ENV/SSW/SOP/011 Issue	
20 21	Scott States				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 RI	EPORT ULR Report		Page : 1 of 2 = TC1231024000043739F = HECS/PE/006/130924
Narr	se of the Client	+ M/s. SIPCOT		A0 A0		: 130924050 : 13/09/2024
Add	ress of the Client	: Vallam Vadagal			all train	
Samp Samp Samp Samp	p de Name de Mark de Reference de Drawn By ole Location onmental Condition	 Pollution & Envi Soil(All) santhavellore NA M/s.Hubert Envi NA Temperature (°C 	ro care Systems (P	Canam Compl Report) L4d. Sampl	enced Date eted On	* 13/09/2024 * 13/09/2024 * 18/09/2024 * 18/09/2024 * 1 Kg
Samp S.Ne	ting Method & Plan D. Test Pa	TCARDA:2013	Units	Results		Test Method
Disc	ipline : Chemical					and a second pro-
ł	Cadminm		mg/Kg	BLQ (LOQ: 0.1)	HECS	G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	in it		mg/Kg	20.31	Arrest	S-G/INS/SOP/042 Issue No.:01
	Chromium		indianality.	2051	HEA.3	Issue Date:01.03.2021
4	Copper		mg/Kg	7.62		
4					HECS	Issue Date:01.03.2021 G/INS/SOP/ 042 Issue No.:01
1	Copper		mg/Kg	7.62	HECS	Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01
0	Copper Zosc		nig/Kg ing/kg	7.62	HECS HECS FAO at	Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 United Nations, Rome Chapter 111 2008
0 7 8	Copper Znsc Soil Texture		mg/Kg mg/kg	7.62 23.62 Clay	HECS HECS FAO of FAO of	Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 United Nations, Rome Chapter 111 2008 United Nations, Rome Chapter
0 7	Copper Zenc Soil Texture Soil Texture ()Sand		nıg/Kg mg/kg %	7.62 23.62 Clay 21.2	FAO of FAO of FAO of	Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 (United Nations, Rome Chapter III 2008 (United Nations, Rome Chapter III 2008 (United Nations, Rome Chapter III 2008
0 7 8 9	Copper Znic Soil Texture Soil Texture i)Said Soil Texture ii)Silt	у	mg/Kg mg/Kg %	7.62 23.62 Clay 21.2 27.5	FAO of FAO of FAO of	Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021 (United Nations, Rome Chapter III 2008 (United Nations, Rome Chapter III 2008 (United Nations, Rome Chapter III 2008 (United Nations, Rome Chapter III 2008 (United Nations, Rome Chapter III 2008



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TEST REPORT

Page: 1 of 1

					Report No.	1 HECS/PE/006/130924/N
Name of the Client		* M/s. SIPCOT			Sample ID No	: 130924050
Addre	ss of the Client	: Vallam Vadaga	al		Sampling Date	: 13/09/2024
Group		¹ Pollution & En	vironment		Received Date	13/09/2024
Sample Name Sample Mark		* Soil(All) r santhavellore			Commenced Da	te: 13/09/2024
					Completed On	18/09/2024
ample	Reference	[‡] NA [‡] M/s.Hubert Enviro care Systems (P) Ltd. [‡] NA			Report Date	+ 18/09/2024
	Drawn By Location				Sample quantity #1 Kg	
	mental Condition 1g Method & Plan	* Temperature (FICARDA:2013	OCCUPIED AND AND AND AND AND AND AND AND AND AN	(%):54.0		
S.No.	Test P	irumeters	Units	Result	s	Test Method
Discip	line : Chemical					
1	Manganese		malka	160.32	é.	HECS GANSAGROM

1	Manganese	mg/kg	160.32	HECS-G/INS/SOP/ 042
£	Irun	mg/kg	30.44	Inhouse method
ŝ	Infiltration Rate	emilie	4.5	Inhouse method
ł.	Moisture	5	7.52	HECS-G/ENV/SSW/SOP/003 Issue No.301 Issue Date:02:07:2020

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



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			TEST R	UL	R ort No.	Page : 1 of 2 : TC1231024000043740F * HECS/PE/005/130924	
Nan	ae of the Client	# M/s. SIPCOT			uple ID No upling Date	: 130924049 : 13/09/2024	
Add	ress of the Client	: Vallam Vadagal		540	iping the	11.509/2024	
Samp Samp Samp Samp	p de Nanie de Mark de Reference de Drawn By ste Location onmental Condition	¹ Pollution & Envi ² Soil(All) 2 Project area ² NA ² M/s.Hubert Envi ³ NA ⁴ T	ro care Systems (P	Cor Cor Rep 1 Ltd. Sur	nmenced Dat	* 13/09/2024 * 13/09/2024 * 18/09/2024 * 18/09/2024 * 18/09/2024 * 1 Kg	
	ling Method & Plan	Temperature (°C ICARDA:2013		-		Manager and Scills (Math	
	fpline : Chemical	rameters	Units	Results		Test Method	
1	Cadmium		mg/Kg	BLQ (LOQ: 0.1) HEC	S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021	
2	Chroniam	ium mg/Kg 21.08		21.08	HEC	S-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021	
4	Copper		mg/Kg	6.32	HEC	S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021	
Ú.	Zinc		mg/kg	23.84	HEC	S-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2023	
9.	Soil Texture	Soil Texture		Clay loam	FAO o	FAO of United Nations, Rome Chap III 2008	
8	Soil Texture i)Sand		56	27.9	FAO of United Nations, Rome) III 2008		
9	Soil Texture ü)Silt		%	32.6	FAO o	of United Nations, Rome Chapter III 2008	
10	Soll Texture iii)Clay	ń.	%	39.5	FAO o	of United Nations, Rome Chapter III 2008	
	pH Value @ 25 ° C	(1:2.5)		8.12		IS 2720 (Part 26) 1987	
11	per value (p. 25 °C	11++04		0.14		P3 7170 (140 70) 1401	



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

			TEST RE	UL	R arī No.	Page : 2 of 2 = TC1231024000043740F = HECS/PE/005/130924		
Name	of the Client	M/s. SIPCOT		San	ple ID No	: 130924049		
Address of the Client :		: Vallam Vadagal		San	pling Date	13/09/2024		
Group		* Pollution & Env	ironment	Rec	rived Date # 13/09/2024			
Sample	Name	* Soil(All)		Cor	nmenered Da	ne 13/09/2024		
Sample	Mark	: Project area		Cor	apleted On	: 18/09/2024		
Sample	Reference	: NA			ort Date	Date \$18/09/2024		
	Drawn By	† M/s.Hubert Env	iro care Systems (P)	Ltd. Sar	nple quanti	ay * I Kg		
	e Location	[‡] NA	1993 M					
	nmental Condition ng Method & Plan	[‡] Temperature (" † ICARDA:2013	C): 31.0 Humid	ity (%) : 54.0				
S.No.	Contraction of the local division of the loc	arameters	Units	Results		Test Method		
11	Bulk Density		gm/cm3	1.20	FA	O of United Nations Rome 2007		
12	Organic Carbon		%	1.57	12	S 2720 (Part 22) Section I 1972		
13	Organic Matter		%	2.72	U	\$ 2720 (Part 22) Section 1972		
14	Available Potassiur	m	mEq/100g	14.26	FAO	of United Nations, Rome Chapter III 2008		
15	Bornn as B		mg/kg	IILQ(LOQ 0.1)	1.000	CS-G/ENV/SSW/SOP/018 Issue No:01 Issue Date:02:07 2020		
16	Total Nitrogen as N	4	%e	0.0505		1S 14684 Clause 4 1999		
17	Exchangable Calcin	um as Ca	mEq/I_	9.48 FA		FAO of United Nations, Rome Chapte HI 2008		
18	Exchangable Magn	esium as Mg	mEq/l.	9.38	FAO	of United Nations, Rome Chapter III 2008		
19	Cation Exchange C	apacity	mEq/100g	4.4	1	S 2720 (Part 24) Clause 5 1976		
20	Water Holding cap	acity	%	17.6		1S 14765: 2000		
21	Colour			Black		CS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02:07: 2020		
22	Phosphorous		HZ/Z	42.17	FAO	of United Nations, Rome Chapter III 2008		

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

End of Report



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

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TEST REPORT

Page: 1 of 1

				3	Report No.	1 HECS/PE/005/130924/N
Name of the Client		1 M/s. SIPCOT		5	iample ID No	1130924049
Addre	ss of the Client	: Vallam Vadagal		5	iampling Date	; 13/09/2024
Group		+ Pollution & Env	ironment	3	Received Date	: 13/09/2024
ample	Name	* Soil(All)			Commenced Da	c 13/09/2024
ample	Mark	: Project area	: Project area			# 18/09/2024
Sample	Reference	‡ NA ‡ M/s.Hubert Enviro care Systems (P) 1.td.			Report Date	\$ 18/09/2024
ample	Drawn By				Sample quantity 1 Kg	
Sample	Location	† NA	100425-0393 7 0505-0508580			1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
	mental Condition ng Method & Plan	² Temperature (* 2 ICARDA:2013	C): 31.0 Humidity	(%):54.0		
S.No.	Test P	Test Parameters Units Re		Results		Test Method
Discip	line : Chemical					
	Management		1000	149.49		DESCRIPTION OF A STREET OF A S

t.	Manganese	mg/kg	142.62	HECS-G/INS/SOP/ 042
			0.022	
1	Irva	mg/kg	7.28	Inhouse method
3	Infiltration Rate	cmfu	8.5	Inhouse method
4	Moisture	ч _ю	4.68	HECS-G/ENV/SSW/SOP/003 Issan No.01 Issue Date:02-07: 2020

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



000 D.Anusuya -Lab Manager Authorized Signatory

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HECS-G/Q/FMT/49

Laboratory Services Division

Hubert Enviro Care Systems (P) Ltd. A-21, III Phase, Thiru Vi Ka Industrial Estate, Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500 E-mail : labsales@hecs.in

1-14/17/06/1-1



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			TEST REPORT	ULR Report No.	Page : 1 of 1 : TC1231024000043738F : HECS/AP/027/130924	
Name of the	Client	: M/s. SIPCOT		Sample ID No	: 130924048	
				Sampling Date	; 13/09/2024	
Address of t	he Client	: Vallam Vadagal				
Group		: Atmospheric Pollution		Received Date	: 13/09/2024	
Sample Name Sample Mark Sample Reference Sample Drawn By Sample Location		Ambient Noise Levels (E	xcluding vibration)	Commenced Date: 13/09/2024		
		: Noise		Completed On	: 17/09/2024	
		: NA	Report Date	: 18/09/2024		
		: M/s.Hubert Enviro care !	Systems (P) Ltd.	Sample quanti	Y NA	
		: NA				
Environmental Sampling Met		: Temperature (°C) : 32.0 : 1S 9989:1981	Humidity (%) : 56.0	1		
S.No		Sampling Location	Day Noise level in dB (A)		Night Noise level in dB (A)	
1	Project Site Santhavellore		53.2		42.3	
2			54.5		43.2	
3	Thathanur		53.9		44.0	
- 34	4 Alagoor		53.3		44.2	

Noise Standards - CPCB:

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

Note:

1. Day Time shall mean from 6.00 am to 10.00 pm.

2. Night Time shall mean from 10.00 pm to 6.00 am.

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



D.Anusuya Lab Manager Authorized Signatory

 The report is full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 3. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be relained more than 15 days from the date of taxes of text report. 4. Under no circumstances tab accepts any flability or loss / damage caused by use or misure of text report after invoicing or issue of text report. 5. The test results relate only to the test items. HECS-G/Q/FMT/49

Annexure - 4



CHIEF ENGINEER (O&M-II)

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD



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

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

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

Ref: Lr.No. CMWSSB / C.E(O&M)II / S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2019-20, Dated: 06.12.2019.16.12.2019 & 24.01.2020.

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

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

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

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

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

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

CHIEF ENGINEER (O&M-II)

No.1, Pumping Station Road, Chintadripet, Chennal - 600 002.

பாசவம் – அக்கா மாவட்டம் – இருப்பெரும்புதார் வட்டம் – இரும்காட்டுக் கோட்டை கிராமம் – சிப்சாட் தொழல் வளாகத்தில் அம்பந்தில் தொழும்சாலை குறும்கு– செய்பரம்பாக்கம் ஏரியிலரும், மேதீர் மற்பும் நிலங்களுக்கு நிர்ப்பாசவும் போக எஞ்சிய தீரில் 5 மீல்லிம் குட்டான நிர் – விடும்தெல் – ஆன= வெளியிடப் படுகிறது.

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1. மேலாக்கம் இயச்துதர், சிப்காட் தேர்முக கூடித் என். 1026/96 தான்: 2.9.1996.

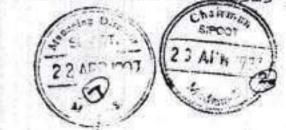
2. தலைவமைப்பொறியாளர், நீர்வள 5 தார அமைப்பு, சென்னன மடிட்லம், கிருஉத்கா தலதர் வழங்கல்தலை கடதே என். ட்பின்ய 1/5250/96, தான். 24.12.1996.

பார்வை 1ல் கட்ட கலதத்தில் கிப்காட், மேலான்மை இயக்ஞ்தர் இருக் காட்டுக்கோட்டை கிப்காட் தொழில் வளாகத்திற்கு, அங்கு அடையைவுள்ள உதாக்டால் கார் தொழற்சாவலக்கு தேவையான 1.1.மில்ஷியல் கன அட தெட்விர் உட்பட மொத்தம் சமார் 10 மில்ஷியல் கன. அட தெட்வார் தேவை என்த கேட்டுக் கொண்டுள்ளா?

2. பாரீவை 20 கட்ட கேதைத்தில் தலைமைப்பொறியாளர் நீர் வன தகாத அமைப்பு செக்கல மட்டலம் மற்லம் கிறுஉத்தா குஷநீர் வலக்கல் தீட்டம். கடந்த காலக்களல் செய்பரம்பாக்கம் ஏராயில் உள்ள நீர் நீவல ஒரே.சீராக வெடு, 1992ம் நீட்டு 485 மில்லாம் கன் தலயாகவும் 1996ம் ஒட்டு 2401 மில்லான் கனதலயாகவும் இருந்ததொன. குறிப்பிட்டுக்கார்ர். மேலாம் பதவு செல்யப் பட்டுக்கா 13,223 ஏக்கர் தயக்கட்டுகளல் தற்போத கைசாயம் செல்யப்பட்டு வரும் 9800 ஏக்கர் நீலங்கதே நீர்பாசகம் செல்தாக வேசாயம் செல்யப்பட்டு வரும் என்றும் குறிப்பிட்டுக்கார். மேலும் இத்தோடு செல்தன மாதகருக்கு கேர்வன் வசதியும் செம்பரம்பாக்கம் ஏர்பிலிருந்த வழங்க வேக்ஷம் மாதகருக்கு கேதல்விர் கைதியும் செம்பரம்பாக்கம் ஏர்பிலிருந்த வழங்க வேக்ஷமிரைப்பதால் நீர் இருப்பை கருத்தில் கொல்டு தான் தல்கிர் வழங்க இடிலாம் என்ற தேரைக்கார்.

3. தலைகமைப்பொறியாகள் (செல்லன மூலீடலம் மற்டும் கிருடை;கா தேதீர் வழங்கல் திட்டம்) ம் திலக்கத்தை கருத்திற்கொடுடு கிப்காட் தொழுல் வளாகத்திகாறும் செயற்குறிப்பை இரசு பாரிசித்தது.

இது குடியாத்கம் ராலுக், நீர் இருப்பிற்குகைக்க, பதில செலியப் பட்ட தயக்கட்டு பதிகதுக்காக தேவையாக தல்லிர் மற்பும் செல்லை நகருக்கு தடித்துக்குத் தேவையாக தல்திரை பூர்த்தி செய்த பில் செம்பரம்பாக்கம்



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ஏரியிலும்ப தாள் ஒஸ்டுக்கு 5 கேல்லும் எல தா. சிப்சாட் தொடிரு வைளாகத்தில்கு வழங்குவதற்கு தற்க உடையிடுகிறது. மேற்கும்ட ''ுகுயினை திறைவேற்டியூன், சிப்சாட் தொழில் வளாகத்தியா பொருப்புத்துவறியில் புதிய அதைகளையாக, விகாட எதாதல் களாகத்துமா வொதுப்பித்துகையாக நிபத்துவைகளுக்கு உட்பட்டு ஒப்பத்தத்தில் கைவொப்படிட்ட புக்கதே திர வறங்க வேஸ்டும் எல்ட தலைமைப்பொறுமானர். செல்லை மடிலும். மற்றம் திருடிகார துஷதீர் வறங்கல் திட்டம் அறிஷலத்தப்படுகிறார்.

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(குகதான் தனைப்படி)

கை.பி. குப்தா, 'அதலத் கையலர்,

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தலைவமப்பொறியாளர், நீர்வன ஆதார அமைப்பு, 'செக்கான.5'. +5

தலைமைப்பொ தியானர்,

நீர்வுள் மறாற அமைப்பு. செக்கள் மன்டலம் மற்டம் எருக்கா கோதீர் இட மற்றம் வழங்கல் என்ற,

மேலாக்கைய க்குர்.

மேலாக கமையில் குநாட கமிற்தாகு தொழில் வளர்ச்சி. கழகம், 19 ஏ. குக்மான் லட்சமிபத் தோகு, எஞிப்பர், கைக்கான. 8. கோலட்ட தட்சியர், தின்னை மானட்டம்,

15年前: ----

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தொழில்தலற்துக்குள் 5 நகராட்சி நாலாகம் மற்லம் 69 நீர் வழல்கல் தல்ற, செல்லா 5

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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**.

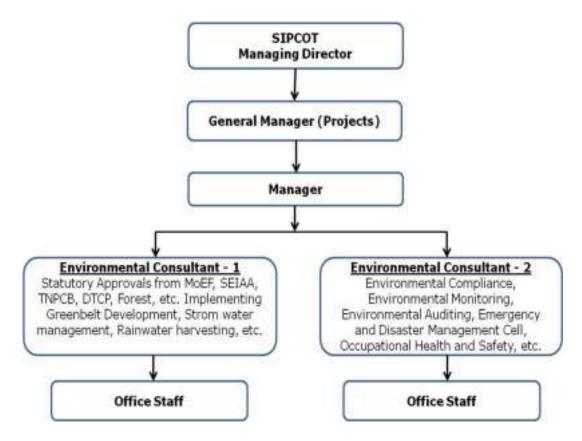


Figure - 1 Organogram for Environmental Management Cell

2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:

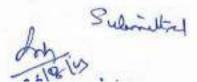
- 2.1. Environmental Management Cell (EMC) shall obtain all applicable statutory clearances and approvals as mandated by the regulatory authorities and maintain the Industrial Parks in compliance with all applicable rules and regulations.
- 2.2. Other responsibilities of the cell will include:
 - a) 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

The New Indian Express df 24/8/2013

5 019 A 10 9 min 24/8/ do13



SIPCOT INDUSTRIAL PARK, VALLAM-VADAGAL, SRIPERUMBUDUR TALUK, KANCHEEPURAM DISTRICT

ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed SIPCOT Industrial Park at Vallam, Vadagal and Budanur villages, Sriperumbudur Taluk, Kancheepuram District from the State Level Environment Impact Assessment Authority, Tamil Nadu vide their Lr.No.SEIAA/ TN/F-660/EC/8(b)/198/2012, dt.20.08.2013

The contents of the Environmental Clearance can be viewed in the SIPCOT website www.sipcot.com and also in the SEIAA website www.seiaa.tn.gov.in. Further, the copy of the Environmental Clearance could be obtained from the Head Office of Tamil Nadu Pollution Control Board (TNPCB).

Principal Secretary/ Chairman and Managing Director, SIPCOT, 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai-600 008.

Annexure-6

-STREG -

சிப்காட் தொழிற்பூங்கா, வல்லம் - வடகால், திருவரும்புதார் தாலுக்கா, காஞ்சிபுரம் மாவட்டம்

சுற்று சூழல் இசைவாணை

மாநீல சுற்று சூழல் தாக்க மதிப்பீட்டுக் குழுமம், தமிழ்நாடு கடிதம் எண். SEIAA/TN/F-660EC/8(b)/198/2012, தேதீ 20.08.2013 வழியாக காஞ்சீபுறம் மாவட்டம், தீருபெரும்புதார் தாலுக்கா. வல்லம், வடகால் மற்றும் பூகனூர் கீராமங்களில் உத்தேசிக்கப்பட்டுள்ள தொழிற்பூங்காவிற்கு சுற்று சூழல் இசைவானைன வழங்கியுன்னது. இவ்விசைவானையின் முழுவிவரத்தை சிப்காட் இணைய தளமான <u>www.sipcot.com</u> மற்றும் மாநீல சுற்றுச்சூழல் தாக்க மதிப்பீட்டுக் குழுமத்தீன் இணையதனமான <u>www.seiaa.tn.gov.in</u> ஆகியவற்றில் காணைம், மேலும், இசைவாணையின் நகலினை தமிழ்நாடு மாசு கட்டுப்பாட்டு வாரியத் தலைமை அலுவலைத்தில் பெறலாம்.

முதன்னம் என்றும் நீர்னாக கீயக்குறர், சீற்காட், 19-ஏ. உருக்குமணி கூட்சுமிபத் சாலை, எழும்பூர், சென்னை - 600 005.

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Annexure 7

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Ref.No.P&SP/Vallam-Vadagal/2012

Dt.23.08.13

The Block Development Officer, Sriperumbudur Panchayat Union, Sriperumbudur Taluk, Kancheepuram District.

Sir,

- Sub: Establishment of SIPCOT Industrial Park at Vallam-Vadagal, Sriperumbudur Taluk, Kancheepuram District -Environmental Clearance from SEIAA – copy forwarded reg.
- Ref: Letter No.SEIAA/TN/F-660/EC/8(b)/198/2012, dt.20.8.13 from State Level Environment Impact Assessment Authority.

......

The State Level Environment Impact Assessment Authority (SEIAA), Tamil Nadu has accorded Environmental Clearance for our proposal of establishing an Industrial Park at Valiam, Vadagal and Budanur villages Sriperumbudur Taluk, Kancheepuram District. We herewith enclose a copy of the Clearance letter received from SEIAA, Tamil Nadu.

Yours faithfully,

for Principal Secretary/ Chairman and Managing Director.

Encl: As above

ESPATCHL Ł (2) 2 3 AUG 7013 C Signature

Annexure 9

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Annexure 10

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

Date: 30.09.2024

(BI RPAD)

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

Sir,

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

Ref: SEIAA EC Letter No. SEIAA/TN/F-660/EC/8(b)/198/2012 dated 20.08.2013.

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 Vallam, Vadagal and Budanur Villages, Sriperumpudur Taluk, Kancheepuram District, Tamil Nadu for Financial Year ending 31st March 2024.

> Yours faithfully, Sd/-MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

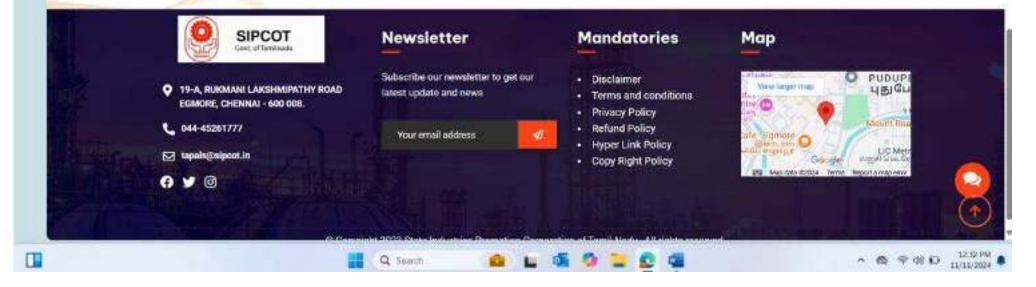
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ASSISTANT GENERAL MANAGER (P-IV)

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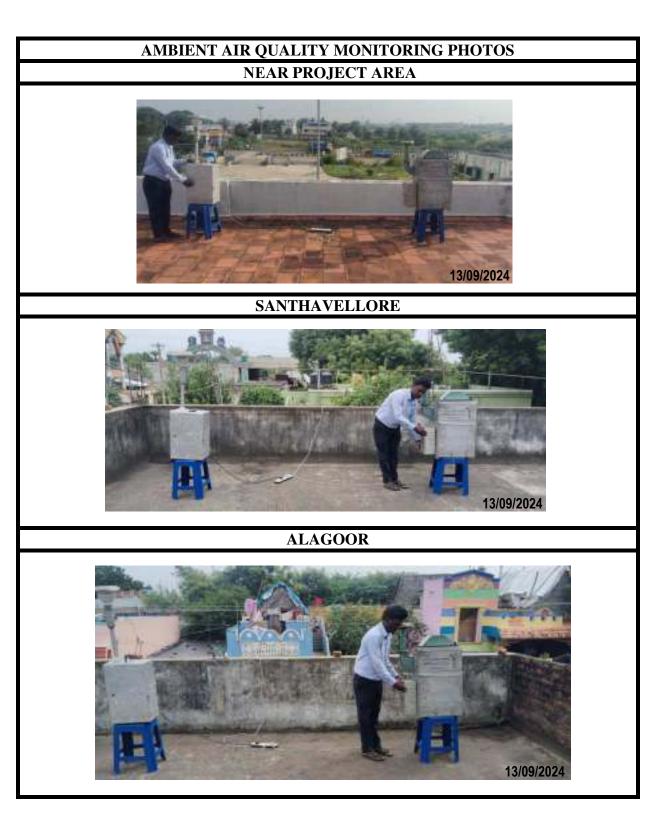
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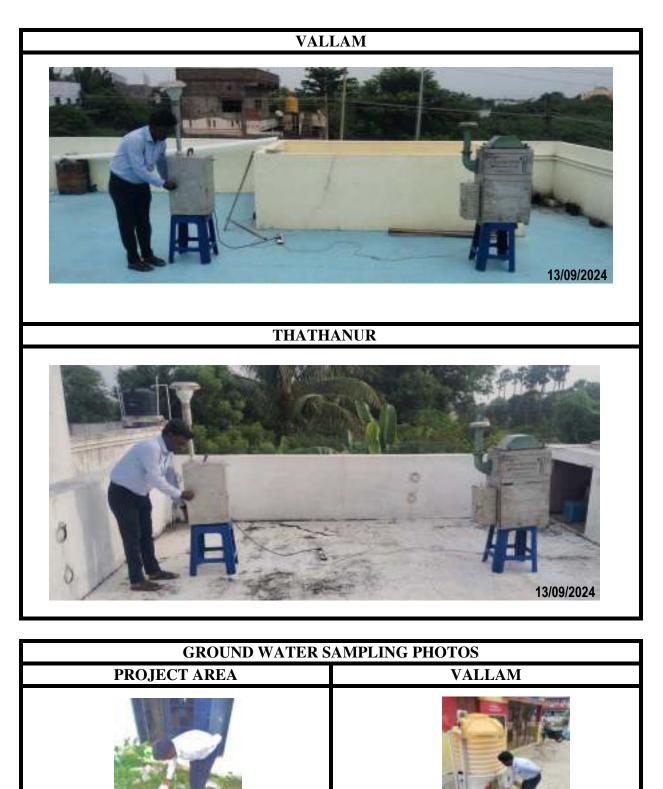


Annexure-11

<u>SIPCOT – VALLAM VADAGAL PHASE - I</u>

MONITORING PHOTOGRAPHS





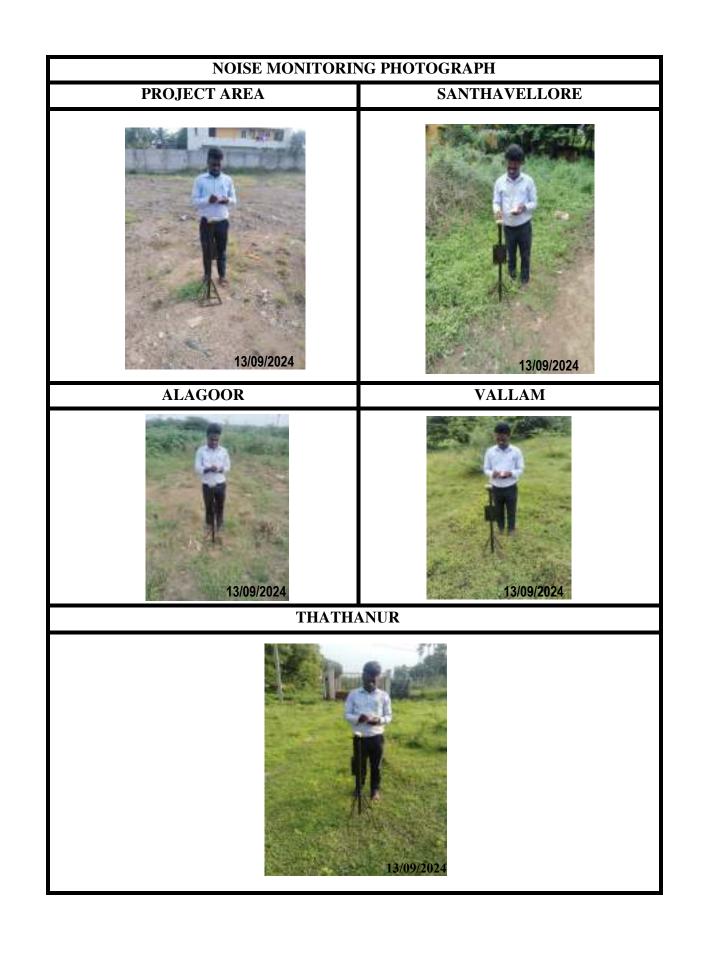
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Green Belt Photograph



