

EC/Aerospace/HYC/June/2025

Date: 30.05.2025

To,
The Member Secretary,
State Level Environment Impact Assessment Authority,
Chennai Metro Rail Limited (Head office),
No.327, Anna Salai, Nandanam,
Chennai - 600 035.

Sir/Madam,

Sub: SIPCOT Aerospace Park – Submission of Half Yearly Compliance Report for June 2025 (i.e., for the period of October 2024 to March 2025) - Reg.

Ref: EC vide SEIAA-TN/F.NO-4262/2015/8(b)/EC-471/KPM/2016dated 19.05.2015

We hereby submit the Half Yearly Compliance Report for the Development of Aerospace Park at Vallam and Vadagal Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu for June 2025 (i.e., for the period of October 2024 to March 2025) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,


CONSULTANT (PROJECT MANAGEMENT)

Encl: As above.

Copy to:

1. The Director,
The Ministry of Environment and Forest & Climate Change,
Integrated Regional Office,
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai – 600 006
2. The Director,
CPCB Zonal Office,
77-A, South Avenue Road,
Ambattur Industrial Estate,
Ambattur Taluk, Thiruvallur District,
Chennai - 600 058.

P.T.O.

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

CIN I U74999TN1971SGC005967

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

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

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

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

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HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of October 2024 - March 2025

For

“Development of Aerospace Park”

At

**Vallam and Vadagal Villages, Sriperumbudur Taluk,
Kancheepuram District, Tamil Nadu.**

**EC obtained vide Letter No. SEIAA-TN/F.NO-4262/2015/8(b)/EC-471/KPM/2016 dated
19.05.2015**

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)**

May 2025

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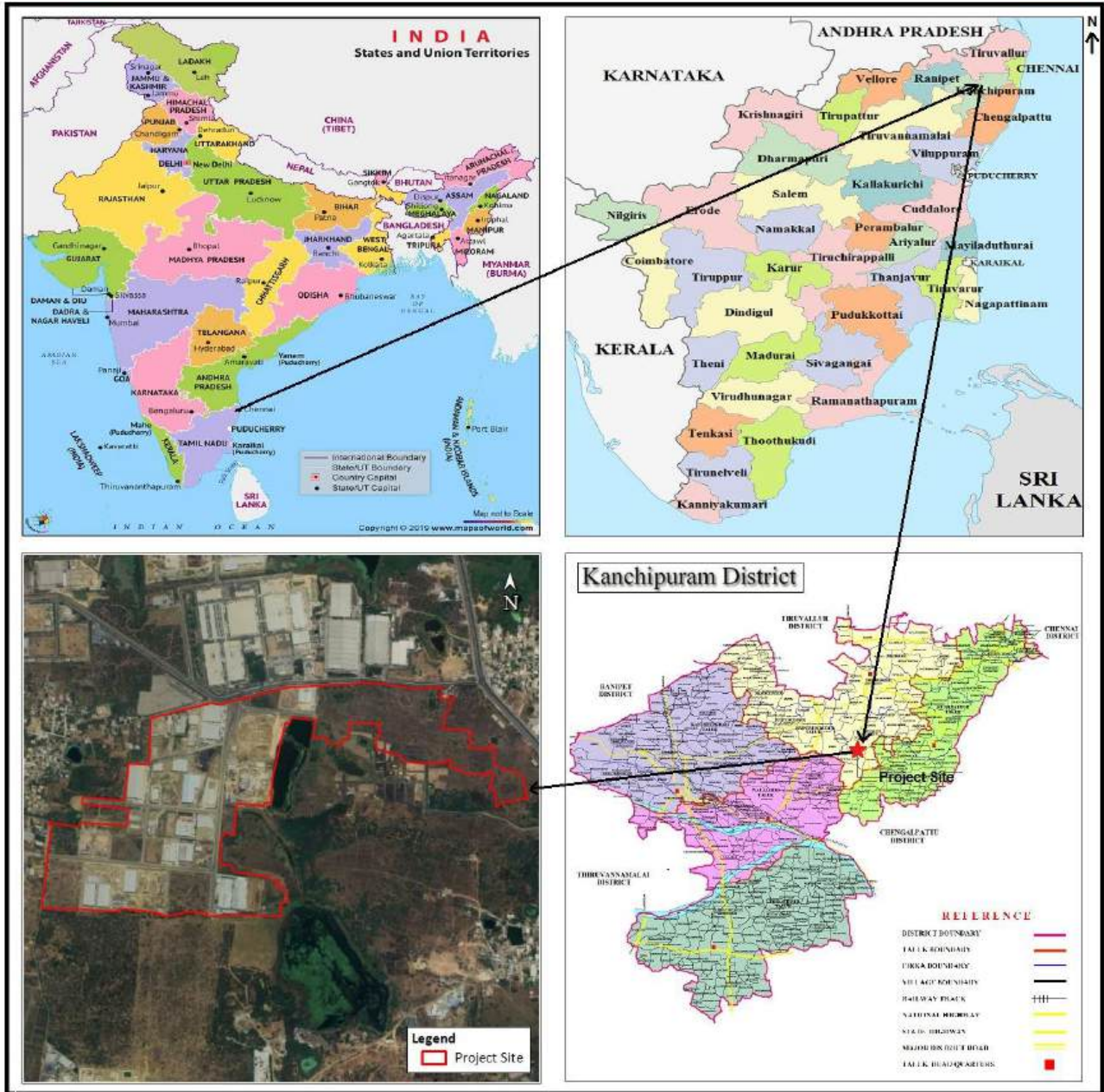
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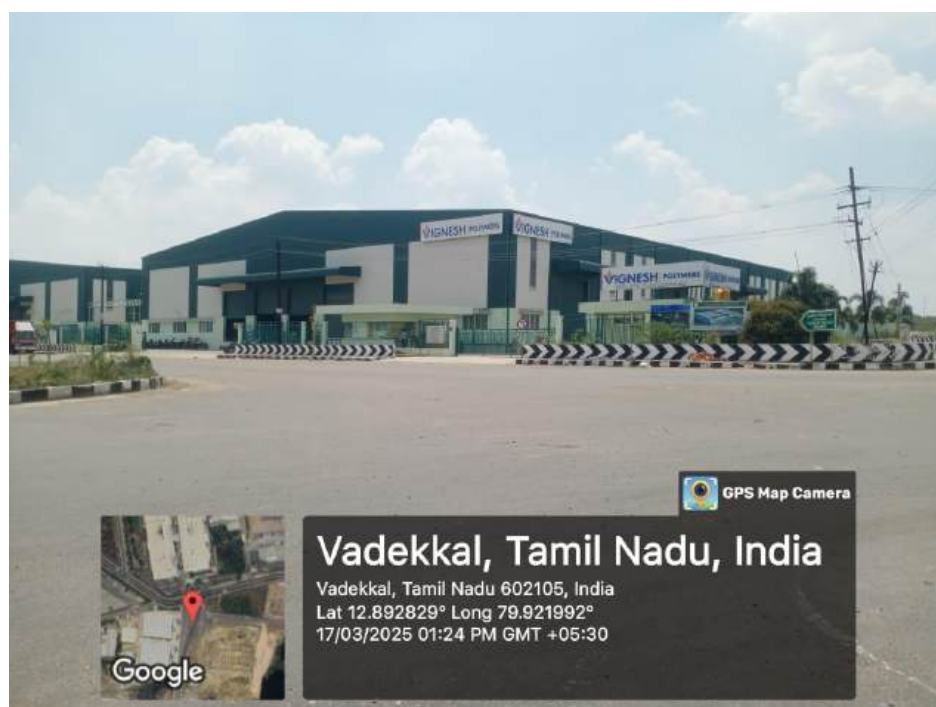
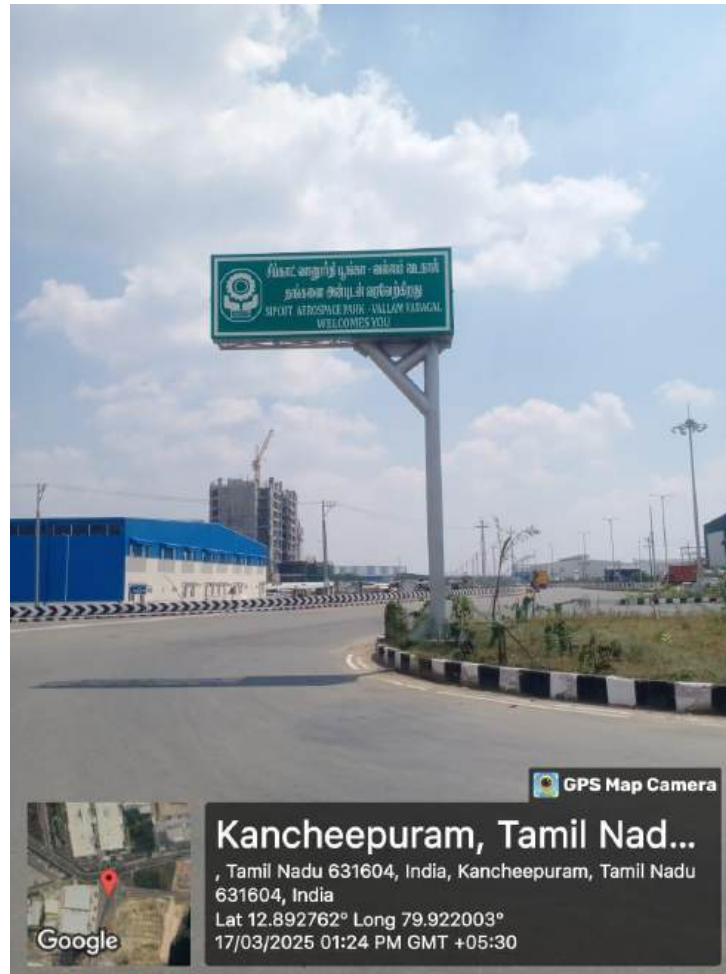
1. PROJECT DETAILS

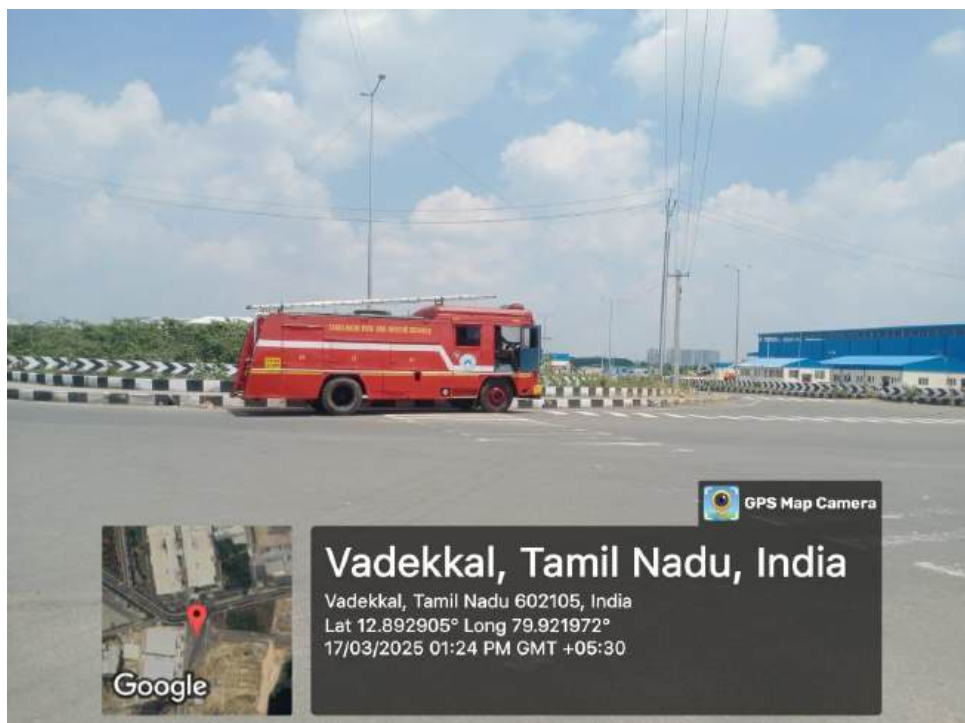
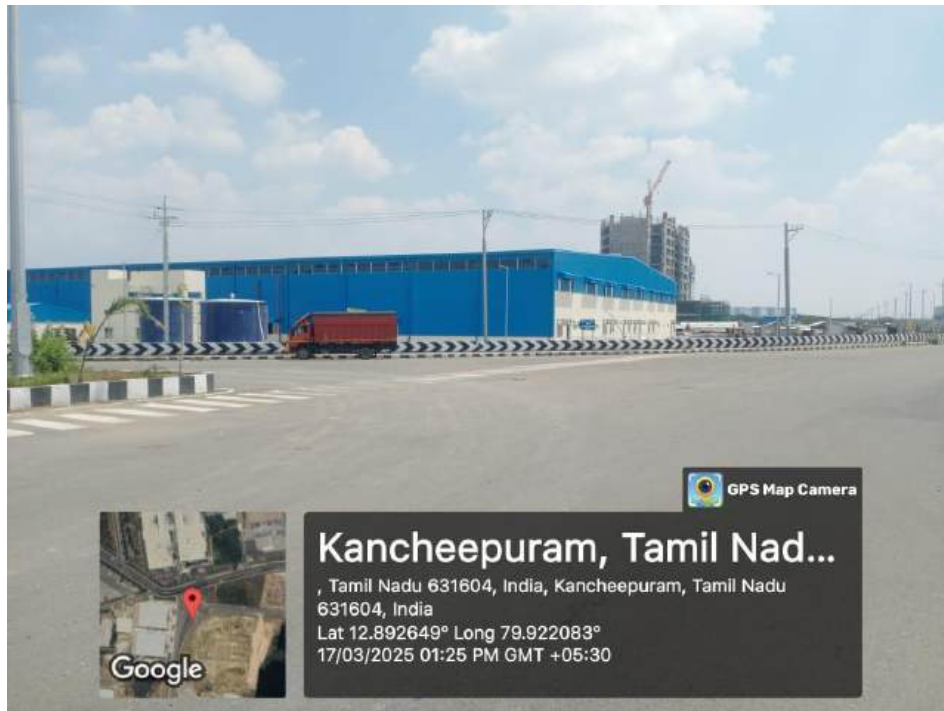
Name of the Project	SIPCOT Aerospace Park
Name of the Proponent	M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)
Location	Vallam and Vadagal Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
EC. No.	SEIAA-TN/F.NO-4262/2015/8(b)/EC-471/KPM/2016 dated.19.05.2015 (Enclosed as Annexure -1)
Area Details	98.96 Hectare
Water Requirement	Total Water requirement: 0.25 MGD Source: CMWSSB TTRO Water / Chembarampakkam Lake
Project Cost	Rs. 100 Crores

2. LOCATION MAP



3. SITE PHOTOGRAPHS





4. SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

Part (A)- Conditions For Pre-Construction Phase

S.NO	CONDITION	STATUS OF COMPLIANCE
1.	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 the 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 Ministry of Environment and Forests located at Chennai.	Condition complied. We, SIPCOT have advertised in two local newspapers in Tamil and English that we have obtained Environmental clearance from SEIAA /TN along with the details of SEIAA website where it is displayed Newspaper advertisement is enclosed as Annexure – 2
2	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/ SEIAA shall be obtained.	Condition Noted. There is no change in the scope of the project.
3	A copy of the clearance letter shall be sent by the proponent to the Block development officers of Panchayat union 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 Environmental clearance letter has been submitted to the Block development officers of Panchayat union by the SIPCOT and Environmental clearance letter has been uploaded on website . Same is enclosed as Annexure - 3.
4	"Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy of the same shall be submitted to the SEIAA, Tamil Nadu before start of construction activity at the site.	Condition Complied. Consent for Establishment has been obtained from the Tamil Nadu Pollution Control Board and a copy of the same is enclosed as Annexure -4.
5	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, with in a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,2020.	Condition noted. There is no appeal lies against this project.

6	The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc.	All the member industries will be mandated to obtain all necessary statutory clearances and approvals. Fire protection equipment photograph is enclosed as annexure - 14
7.	All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.	Condition noted.
8.	Design of buildings should be in conformity with the Seismic Zone Classifications.	Condition noted.
9	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.	All the member industries will be mandated to obtain all necessary statutory clearances and approvals.
10.	SIPCOT shall ensure that no allotment letter/ sale deed in any form shall be made to house category A or category B industry as prescribed in the schedule of EIA notification 2006. However, 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).	Condition noted.

(B). CONSTRUCTION PHASE

Construction Phase	Not applicable since construction is completed
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Consent to establish has been obtained from TNPCB and CTE copy is enclosed as **Annexure-4**. Individual Industries are mandated to obtain CTE & CTO.

(C).OPERATION PHASE

S.NO	CONDITION	STATUS OF COMPLIANCE
14	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.	Condition noted. Water bodies are kept in their natural course and will not be disturbed. Water bodies photograph is enclosed as annexure -13
15	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.	Condition Noted.
16	No bund shall be formed around the premises of SIPCOT which obstruct the rain water flow to the lakes located abetting the Industrial Park.	Condition Noted. There is no bund formation around the premises of SIPCOT.
17	SIPCOT shall mandate all member units to ensure that the treated sewage/ trade effluent collection, storage and Reuse system shall not have any access to the water bodies. All precautionary steps shall be effectively taken and shall be continuously monitored by the Developer so as to prevent discharge of the treated sewage/ trade effluent into canal/ Lakes.	Condition complied. SIPCOT has mandated to all member units to have their own ETP with zero liquid discharge system and to handle their own domestic waste water as per the prescribed standards. Surface water monitoring report and monitoring photograph are enclosed as Annexure – 5 & Annexure 9
18	SIPCOT shall ensure that only after rehabilitation & Resettlement i.e., after making payment to all the land owners, as per law, the land can be allotted to the member industries.	The land was acquired under the provisions of Land Acquisition Act for industrial purpose. We have strictly followed all the provisions mentioned in the Act while acquiring the land.

19	The lands under litigation shall not be sold/handed over to any industry till the judgment is finalized and delivered in favour of SIPCOT by the concerned court.	Condition noted.
20	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.	Condition complied Greenbelt is being developed within the industrial park. All the member units are instructed to comply with. The Green belt Photograph is attached as Annexure – 10.
21	SIPCOT shall ensure that no CETP/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 /solid wastes by member units as per agreement to be made with the Member units.	Condition is being complied. SIPCOT has not developed CETP/ CMSW TSF. Individual Industries are mandated to have their own ETP and STP plant with ZLD system and reuse the treated water for process/greenbelt. Further, Individual industries are handling their Solid Waste / Hazardous Waste generated within their premises.
22	The water requirement shall be met from the Chembarampakkam Lake (TTRO water) through CMWSSB as committed, by SIPCOT.	Condition complied. The water requirement is being met from the Chembarampakkam Lake / TTRO water through CMWSSB. CMWSSB allotment letter is enclosed as Annexure- 6.
23	The measures contemplated in the EIA /EMP report shall be adhered to by the SIPCOT.	Condition noted.
24	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 adequate area for green belt development and to install rain water harvesting structures.	Condition is being Complied. Industries are mandated to have their own Air Pollution control measures and install rain water harvesting structures and to develop adequate greenbelt. Ambient air quality monitoring and monitoring photographs are enclosed as Annexure 5 & Annexure 9.

25	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.	Condition Noted.
26	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.	Condition is being complied. Storm water drain photograph is enclosed as annexure 11.
27	SIPCOT shall conduct EIA study for one season excluding rainy season for. All parameters such as water, air, noise, waste water etc and submit to SEIAA before March 2017.	Condition complied.
28	A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of fire fighting equipments / operations.	Condition complied. Separate Environment Management Cell has been formed. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure – 12
29	A First Aid Room shall be provided with qualified personnel during operation of the project.	Condition is being Complied. Photograph of the same is enclosed as annexure - 15.
30	Adequate fire protection equipments and rescue arrangements should be made.	Condition is being Complied. Fire protection equipment and rescue arrangement and the same is enclosed as annexur-14.

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

S.NO	CONDITION	STATUS OF COMPLIANCE
a.	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	Condition noted.
b.	SIPCOT shall mandate all its member units that Rain water harvesting for surface run-off, should be filtered before recharging the surface run off, pre- treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease.	Condition noted.
c.	The proponent should also ensure to keep necessary road width as per O.M. dated 7.2.12 of MOEF, GOI, New Delhi to high rise buildings.	Condition complied.
d.	The Plastic wastes shall be segregated and disposed through authorized recyclers.	Condition Noted. All the member industries are instructed to comply all necessary rules and guidelines.
e.	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.	The condition will be complied with by individual industries. Noise monitoring report is enclosed as Annexure -5.
f.	The greenbelt 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.	Greenbelt is being developed within the Industrial Park. The Greenbelt Photograph is attached as Annexure - 10.

g.	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.	Condition Noted. Will be complied with by individual industries.
h.	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.	Condition is being complied. No traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking is fully internalized.
i.	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 factor etc and submitted to the SEIAA in three month's time.	All the member industries are instructed to comply with the condition.
j.	Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.	Condition is being complied. Environmental monitoring reports and monitoring photographs are enclosed as Annexure -5 & annexure 9
k.	SIPCOT shall collect periodical water samples in the adjacent lakes and sufficient well water samples at least 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	Condition is being complied. Periodical ground water analysis is being conducted. The monitoring report and photographs are enclosed as Annexure – 5 & Annexure 9

	to TNPCB to ascertain the changes in the quality of the lake water, if any followed by remediation / action.	
32	It is mandatory for the Project proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1 st June and 1 st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.	Condition is being complied. Half yearly compliance report in hard and soft copies is being submitted. Screenshot of EC Compliance report uploaded in SIPCOT website is enclosed as Annexure - 7
33	The SEIAA reserves the right to add additional safeguard measures subsequently, if found noncompliance of EC conditions and to take action including revoking of this Environmental Clearance as the case may be.	Condition noted.
34	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.	Condition noted.
35	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Chennai and the TNPCB.	Condition is being complied. Six Monthly compliance report is being submitted periodically with the monitored data to MoEF, CPCB & SPCB and also uploaded in PARIVESH portal .Screenshot of EC compliance report uploaded in SIPCOT website is enclosed as Annexure - 7

36	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 Environmental clearance letter has been submitted to the block development officer by the SIPCOT and Environmental clearance letter has been uploaded on website. Same is enclosed as Annexure -3.
37	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 due to exposure to dust and take corrective measures, if needed.	Condition Noted.
38	Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purposes schedule of health examination of the workers should be drawn and the workers shall be provided with personnel protective masks, gloves, boots etc.	Condition Noted.
39	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 Chennai.	Condition Noted.

40	The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Condition noted.
41	The environmental statement for each financial year ending 31 st 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, Chennai by e-mail.	Condition is being complied. Environmental statement for each financial year ending 31st March in Form- V is submitted to TNPCCB Proof of dispatch of Form V to TNPCCB and the screenshot of uploading the environmental statement in SIPCOT website is enclosed as Annexure-8.
42	The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other	Condition noted.
43	The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Condition noted.
44	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.

45	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.
46	The above conditions will be enforced inter-alia, under the provisions of the Water (prevention & Control of Act, 1974, the Air (prevention & Control of Pollution) Act, 1981, the Environmental (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 and rules made there under and also any other orders passed by the India / Hon'ble High Court	Condition complied. Consent for Establishment has been obtained from the Tamil Nadu Pollution Control Board and a copy of the same is enclosed as Annexure -4.

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. (NABL Accredited laboratory) during the period of October 2024 – March 2025

5.1 Ambient Air Quality monitoring

The ambient air quality parameters such as suspended Particulate matter (PM10), Respirable Particulate matter (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx), Ammonia, Ozone and Carbon monoxide were monitored. The test report of ambient air quality for the period of October 2024 – March 2025 is enclosed as **Annexure - 5**.

5.2 Ambient Noise level monitoring

Ambient noise levels were monitored and the test report of ambient noise recorded during the period of October 2024 – March 2025 is enclosed as **Annexure - 5**.

5.3 Soil quality monitoring

Soil samples were collected and analyzed for nutrients and heavy metals. The test report of soil samples collected and analyzed during the period of October 2024 – March 2025 is enclosed as **Annexure - 5**.

5.4 Ground water quality monitoring

Ground water was tested for various water quality parameters during the period of October 2024 – March 2025. The test report of bore well water collected and analyzed is enclosed as **Annexure- 5**.

5.5 Surface water quality monitoring

The surface water was collected and tested for various water quality parameters during the period of October 2024 – March 2025. The test report of surface water collected and analyzed is enclosed as **Annexure- 5**.

6. CONCLUSION

1. The environmental monitoring was carried out at site during the period of October 2024 – March 2025
2. All the conditions stipulated in Environmental Clearance are being complied / will be complied.



Dr. RAJKUMAR SAMUEL
Director Technical

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



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

Dr. S. Kalyanasundaram, I.F.S.(Retd.) Chairman 3rd Floor, Panagal Maaligai, No.1, Jeenis Road, Saidapet, Chennai-600 015. Telephone No. : 044-2435 9973 E-mail-cmantnseiaa@yahoo.com	To: Dr.R.Selvaraj,I.A.S Managing Director(SIPCOT) SIPCOT Aerospace Park 19-A, Rukmani Lakshmipathy Road, Post BoxNo-7223,Egmore, Chennai-600 008. Email-sipcot@md3.vsnl.net.in
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Lr.No.SEIAA-TN /F.No- 4262/2015/8(b)/EC-471/KPM/2016/dated 19.05.2015

Sir,


Subject :- SEIAA-TN - M/s. SIPCOT Aerospace Park, Vallam Vadagal Village, Sriperumbudur Taluk, Kancheepuram District, for the proposed Aerospace project of area 244.53 acres (99 ha), under category B, schedule No- 8(b), Issue of Environmental Clearance- Reg.

This has reference to your application dated 07.10.2015 and further communication on the above mentioned subject.

The project activity is covered in 8(b) of the Schedule and falls under 'B1' category. As per the amendment dated 01.12.2009 to the EIA notification, 2006, the industrial estate of area less than 500 ha but containing 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.

In this proposal, no 'A' or 'B' category industry has been proposed to be housed and also the development area (98.96 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, as per Para 7(i) III Stage (3) (d) 'Public Consultation' of EIA Notification, 2006.

The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee, Tamilnadu in its 72nd meeting and decided to recommend the project for issue prior environment clearance by SEIAA, and SEIAA after careful consideration decided to



CHAIRMAN
SEIAA-TN



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

issue Environmental Clearance in its 175th meeting held on 19.05.2016 vide item no. 175 – 7
based on the Information submitted by you which are extracted below.

Sl.No	Particulars	F.No.-4262/2015.
1.	(i) Name of the Project	M/s. SIPCOT AEROSPACE PARK
2.	(ii) Site Address	Annexure - I
3.	Name, address, e-mail & contact number of Proponent	<ul style="list-style-type: none">Name: Dr.R.Selvaraj, IAS, M.D-SIPCOTAddress: 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai 600008Telephone Number: 044-28554514Mobile Number: 9841459919Email id: cmdsipcot2014@gmail.com
4.	Name, address, e-mail & contact number of Consultant	<ul style="list-style-type: none">Name: Dr.V.Nehrukumar PhDAddress: Centre for Environment, Health & Safety Annamalai University, Chidambaram 608002Telephone Number: 04144-238731Mobile Number: 9443223091Email id: centreforchhs@gmail.com
5.	Accreditation of Consultant (NABET accreditation)	Accredited by NABET for industrial estates / parks / complexes / areas / export processing zones / special economic zones / biotech parks / leather complexes A & B Category projects.
6.	New project/Expansion in existing project / Modernization/Diversification in existing Project.	<p>New Project –</p> <p>SIPCOT is proposed to develop Engineering & Allied industries towards manufacturing, repair and maintenance of Aerospace components. R&D not included.</p> <p>As a developer, the SIPCOT has proposed to provide infrastructure facilities like road, water, and other ancillary infrastructure. The land will be allotted to potential Industries based on comprehensive assessment of their application in terms of investment, technology, employment etc</p>


CHAIRMAN
SEIAA-TN



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

7.	If expansion / Diversification, whether environmental clearance has been obtained for existing project.	Not Applicable
8.	Activity schedule in the EIA Notification	8 (b) - B2.[Industries Not attracting EIA Notification]. Member units to take Consent from the TNPCB individually
9.	Area Details	<ul style="list-style-type: none"> Total Plot area (sq. m): 98.96 Ha. (> 50Ha). i) Area allotted to Member Industries - 196.68 acres- (795939.98sq.mt) ii) Road area – 20.85 acres (94377.30 sq.mt) iii) Common facilities - 2.55 acres(10319.53 sq.mt) iv) Green Belt – 73.62 acres(297930.79sq.mt). <p align="center">Total Plot Area - 244.53 acres (98.96 ha). (400478.55sq.mt).</p>
10.	Name of the Notified Industrial area	SIPCOT Industrial Estate [G.O M.S.No. 3 dated 6.1.2009].
11.	TOR given by SEAC? (If yes, then specify the meeting)	Yes, 68 th SEAC meeting held on 26 th , 27 th & 28 th Oct 2015. Lr.No. SEIAA-TN /F.No.4262/2015/8(b)/ToR No – 229 / 2015 / dated 03.11.2015. [Public hearing is not mandated since the project falls under Item No - 8 of the schedule to EIA Notification].
12.	Estimated capital cost of the project (including cost for land, building, Plant and machinery Separately)	Rs.100 /- Crores
13.	Location Details of the Project:	<ul style="list-style-type: none"> Latitude: 79°54'55.0"E to 79°56'4.76" Longitude: 12°53'32.96" N to 12°52'55.5"N Location: Vallam Village, Sriperumbudur Taluk, Kancheepuram District. Elevation above Mean Sea Level (Meters): +53.85
14.	Distance from the protected Areas/ Critically polluted areas/Eco-Sensitive areas/inter-state	There is no protected areas/critically polluted areas/eco-sensitive areas/inter-state boundaries within the impact area of 10 km radius

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

	boundaries	
15.	Raw Materials (including process, chemicals, catalysts and additives.	Not Applicable; since it is an infrastructure development project.
16.	Production details	Not Applicable ; since it is an infrastructure development project.
17.	Process details/Manufacturing Details	The Proposal is to develop an Industrial Park to promote industries for manufacturing, testing, etc of Aerospace and Avionic industrial sector.[No R & D activity proposed].
18.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the ground water table: 30 feet All the allottee industries will be mandated to install rainwater harvesting structures in their premises.
19.	Total Water Requirement	Total Water requirement: 0.25 MGD <ul style="list-style-type: none"> • Fresh water : 1150 KLD • [Member units- 1100KLD+Green belt-50 KLD]. • Source: Supplied by metro water through captive pipelines from Chembarambakkam or TTRO water
20.	Storm Water drainage	<ul style="list-style-type: none"> • Natural Water drainage system: All along the roads of SIPCOT Park as open collection systems. The collected water will be used for ground water recharge and fed into nearby lake or pond with permission from concerned authority. • Quantity of storm water: 100000 cubic meter • Size of SWD: 7756 cubic meter
21.	Sewage Generation and Treatment	• Individual member units will be mandated to treat sewage generated to prescribed standards before disposal.
22.	Effluent generation and ETP Details	• Individual member units will be mandated to treat effluent generated to prescribed standards before disposal
23.	Solid waste Management	• Individual member units will be mandated to collect, store and dispose solid/hazardous waste to be generated as per Solid waste Rules/Hazardous Waste management Rules notified.
24.	Energy	Power Supply: Through TNEB grid
25.	Green Belt Development	<ul style="list-style-type: none"> • Green Belt area (Sq. mt): 297929.57 Sq.mt.


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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

		<ul style="list-style-type: none"> Green belt will be developed based on the advice of DFO, Kanchipuram. 				
26.	Environmental Management plan Budgetary allocation		Sl.No.	Details	Capital cost (lakhs)	
			1.	Environment Monitoring and Management	25.00	
			2.	Green Belt	100.00	
				Total	125.00	
27	EIA Submitted (If yes then submit the salient features)	<ul style="list-style-type: none"> Period of data collected: February to March 2015 				

Validity:-

The SEIAA-TN hereby accords Environmental Clearance to this project under the provisions of the EIA Notification 2006 as amended, with Validity for Seven years from date of issue subject to the strict compliance of the terms and conditions stipulated below:

SEIAA
SEIAA
TN

(A) Conditions for Pre Construction Phase:-

1. 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 the 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 Ministry of Environment and Forests located at Chennai.
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained.

Kalyanaram
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SEIAA-TN



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

3. A copy of the clearance letter shall be sent by the proponent to the Block development officers of Panchayat union 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.
4. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy of the same shall be submitted to the SEIAA, Tamil Nadu before start of construction activity at the site.
5. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
6. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc.
7. All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.
8. Design of buildings should be in conformity with the Seismic Zone Classifications.
9. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
10. SIPCOT shall ensure that no allotment letter/ sale deed in any form shall be made to house category A or category B industry as prescribed in the schedule of EIA notification 2006. However, 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).


CHAIRMAN

SEIAA-TN



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

(B). Construction Phase

11. 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.
12. SIPCOT shall mandate that all the member units shall be commissioned only after securing water supply connection from the Chembarambakkam Lake through CMWSSB by SIPCOT.
13. SIPCOT shall adhere the following conditions and also mandate the same for all its member units to adhere the conditions:
 - a. The excavated earth / construction debris must be used within the premises only.
 - b. The solid waste in the form of excavated earth excluding the top soil scientifically utilized for approach road and peripheral roads constructions.
 - c. All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
 - d. Disposal of other construction debris during 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.
 - e. 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.
 - f. All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.
 - g. For disinfection of waste-water, system using ultra violet radiation shall be adopted.


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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

- h. For Solid-waste management, composting arrangements shall be provided for biodegradable waste at site.
- i. All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
- j. A First Aid Room shall be provided with qualified personnel during operation of the project.
- k. 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.
- l. 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.
- m. Ready mixed concrete must be used in building construction.
- n. Storm water control and its re-use shall be as per CGWB and BIS standards for various applications.
- o. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- p. Roof should be designed to meet prescriptive requirement of Energy Conservation Building Code (ECBC) by the use of appropriate thermal insulation material.
- q. Readiness with suitable trained personnel for handling of fire fighting equipments / operations.

(C).Operation Phase

- 14. 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.

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
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15. 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.
16. No bund shall be formed around the premises of SIPCOT which obstruct the rain water flow to the lakes located abetting the Industrial Park.
17. SIPCOT shall mandate all member units to ensure that the treated sewage/ trade effluent collection, storage and Reuse system shall not have any access to the water bodies. All precautionary steps shall be effectively taken and shall be continuously monitored by the Developer so as to prevent the leachate or discharge of the treated sewage/ trade effluent into canal/ Lakes.
18. 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.
19. The lands under litigation shall not be sold/handed over to any industry till the judgment is finalised and delivered in favour of SIPCOT by the concerned court.
20. 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.
21. SIPCOT shall ensure that no CETP/ 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 /solid wastes by member units as per agreement to be made with the Member units.
22. The water requirement shall be met from the Chembarambakkam Lake (TTRO water) through CMWSSB as committed, by SIPCOT.
23. The measures contemplated in the EIA /EMP report shall be adhered to by the SIPCOT.
24. 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 adequate area for green belt development and to install rain water harvesting structures.
25. 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.


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SEIAA-TN
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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE


26. 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.
27. SIPCOT shall conduct EIA study for one season excluding rainy season for all parameters such as water, air, noise, waste water etc and submit to SEIAA before March 2017.
28. A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of fire fighting equipments / operations.
29. A First Aid Room shall be provided with qualified personnel during operation of the project.
30. Adequate fire protection equipments and rescue arrangements should be made.
31. SIPCOT as well as its member units shall be mandated to comply the following conditions:
- 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.
 - SIPCOT shall mandate all its member units that Rain water harvesting for surface run-off, should be filtered before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease.
 - 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.
 - The Plastic wastes shall be segregated and disposed through authorized recyclers.
 - 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 / TNPCCB guidelines / norms both during day and night time.
 - 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.


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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

- g. 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.
- h. 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.
- i. 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.
- j. Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.
- k. 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.
32. 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.
33. 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.
34. 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.
35. 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


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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
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- periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Chennai and the TNPCB.
36. 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.
37. 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.
38. 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.
39. 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 Chennai.
40. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
41. 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


CHAIRMAN

SEIAA-TN



**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
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Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.

42. 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.
43. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
44. 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.
45. 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.
46. 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 Hon'ble Supreme Court of India / Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.



**SEIAA
TN**

Kalyanesh
CHAIRMAN
SEIAA-TN

Copy to:-

1. The Principal Secretary to Government,
Environment & Forests Department,
Govt. of Tamil Nadu, Fort St. George,
Chennai – 600 009.

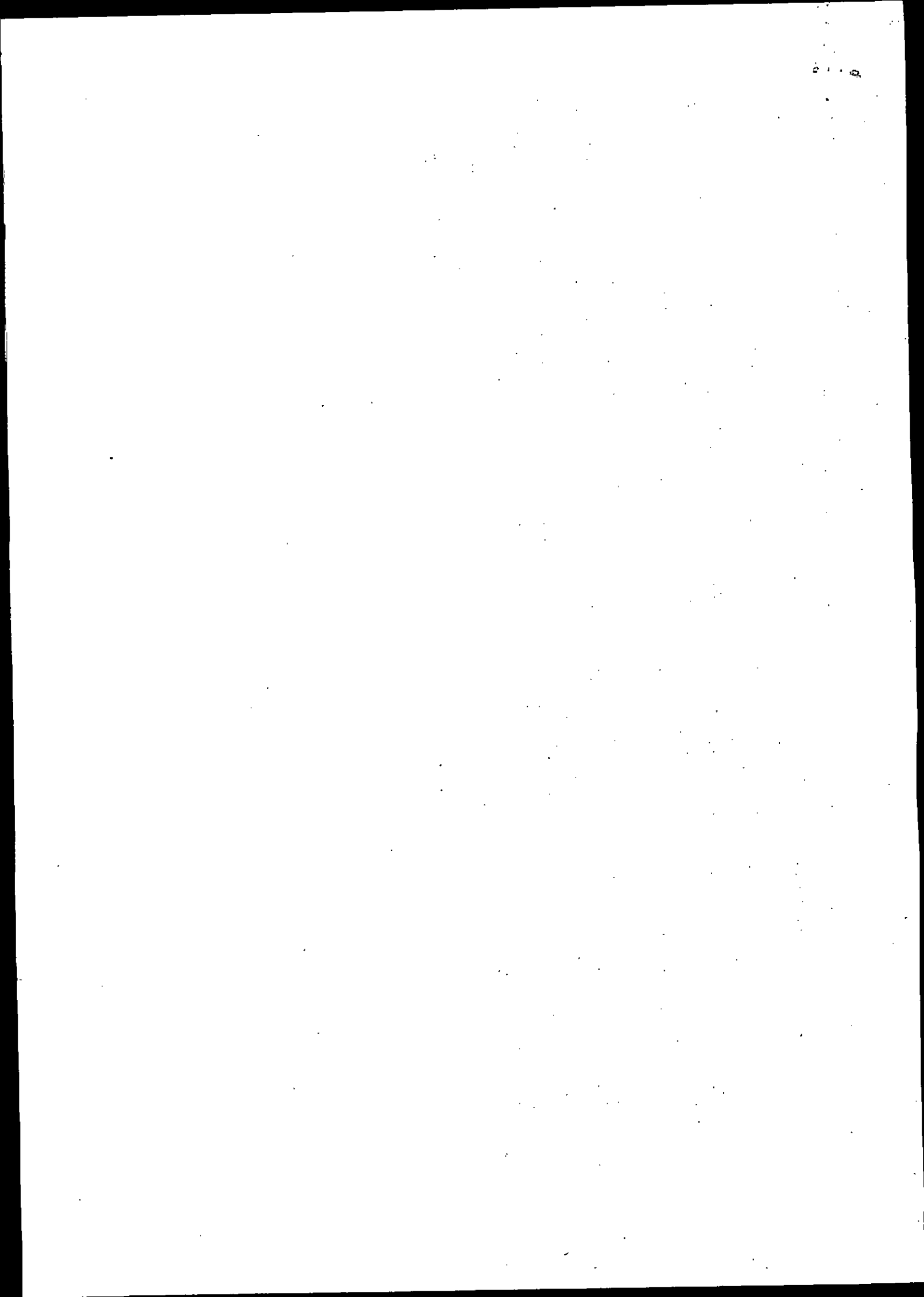


STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU
ENVIRONMENTAL CLEARANCE

2. The Chairman,
Central Pollution Control Board, Parivesh Bhavan,
CBD Cum-Office Complex, East Arjun Nagar,
New Delhi 110032.
3. The Member Secretary,
Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy,
Chennai - 600 032.
4. The ACCF(C), Regional Office of MoEF,
34, hepc Building, 1 & 2 nd Floors,
Cathedral Garden Road, Nungampakkam,
Chennai - 600 034.
5. Monitoring Cell, I A Division,
Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex,
New Delhi 110003.
6. The District Collector, Dt. Collectorate,
Kancheepuram District.
7. The Commissioner ,
Sriperumbudur Taluk, Kancheepuram District.
8. The Chief Engineer (Chennai Region),
WRO, Taramani, Chennai.
9. Stock File.

SIPCOT - AEROSPACE PARK - VALLAM
FMB AREA STATEMENT

SL. No:	S.F.No.	Extent in	
		Hec- are	Acre
<u>I. VALLAM 'A' VILLAGE</u>			
1	6	0.390	0.96
2	7	0.405	1.00
3	8	0.185	0.46
4	9	0.335	0.83
5	10	0.210	0.52
6	11	2.515	6.21
7	12	3.005	7.43
8	13	2.940	7.26
9	14	4.215	10.42
10	22	3.470	8.57
11	23	3.750	9.27
12	24	0.585	1.45
13	32	1.765	11.77
14	52	0.820	2.03
15	207 pt.	2.395	5.92
16	208	2.600	6.42
17	209	2.515	6.21
18	210	4.320	10.67
19	211	1.775	4.39
20	212	2.695	6.66
21	213	2.005	4.95
22	226	1.520	3.76
23	227	2.260	5.58
24	229	3.490	8.62
25	230	3.690	9.12
26	231	4.335	10.71
27	232	4.745	11.72
28	233	0.285	0.70
29	234	5.665	14.00
30	235	3.005	7.43
31	236	0.285	0.70
32	237 pt.	3.940	9.74
33	239 pt.	1.675	4.14
34	240	0.415	1.03
35	241 pt.	0.080	0.20
36	242 pt.	0.200	0.49
37	244 pt.	3.370	8.33
38	245 pt.	2.425	5.99
39	246	0.685	1.69
40	247 pt.	4.945	12.22
41	248 pt.	5.605	13.86
42	276 pt.	0.170	0.42
43	277 pt.	0.270	0.67
TOTAL		98.955	244.53



65
The New Indian Express dt. 15-6-2016



**SIPCOT AEROSPACE PARK, VALLAM VADAGAL
SRIPERUMBUDUR TALUK
KANCHEEPURAM DISTRICT**

ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed SIPCOT Aerospace Park at Vallam Vadagal, Kancheepuram District from State Level Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide their Lr.No.SEIAA-TN/F.No.4262/2015/8b/EC-471/KPM/2016 dt. 19.5.2016.

The contents of the Environmental Clearance can be downloaded from SIPCOT website www.sipcot.com and also in the SEIAA website www.seiaa.tn.gov.in. Further the copies of the Environmental Clearance could be obtained from the Head Office or SIPCOT.

**MANAGING DIRECTOR
SIPCOT**

**19-A, Rukmani Lakshmipathy Road,
Egmore, Chennai-600 008**

DIPR/550/DISPLAY/2016

தினத்திந்தி

நாள் - 15-6-2016



சிப்காட் வான்வெளி பூங்கா

வல்லம் வடகால்

திருப்பெரும்புதூர் தாலுகா, காஞ்சிபுரம் மாவட்டம்

சுற்றுச்சூழல் இசைவாணை

மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையம், தமிழ்நாடு கடித எண். Lr.No.SEIAA-TN/F.No.4262/2015/8b/EC-471/KPM/2016 தேதி 19.5.2015 மூலம் காஞ்சிபுரம் மாவட்டம், வல்லம் வடகால் கிராமங்களில் அமையவுள்ள வான்வெளி பூங்காவிற்கு சுற்றுச்சூழல் இசைவாணை வழங்கியுள்ளது.

சுற்றுச்சூழல் இவ்விசைவாணையின் முழு விவரங்களை சிப்காட் இணையதளமான www.sipcot.com மற்றும் மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் இணையதளமான www.seiaa.tn.gov.in ஆகியவற்றில் பதிவிறக்கம் செய்து கொள்ளலாம். மேலும் இவ்விசைவாணையின் நகலினை இவ்வலுவலகத்தில் பெற்றுக்கொள்ளலாம்.

மேலாண்மை இயக்குநர்

சிப்காட்

**19-அ, ருக்மணி இலட்சுமிபதி சாலை,
எழும்பூர், சென்னை - 600 008**

செ.ம.தொ.இ/550/வரைகலை/2016

Annexure 3

SIPCOT - State Industries Promoti x

https://sipcotweb.tn.gov.in/Environment_clearance

Outlook PARIVESH HYC Dec 24 status.d...

Home	About Us	Why SIPCOT ?	Land Information	Industrial Parks	Special Projects	Tenders	Resources	Logins	Contact Us
15	Mappedu			Kancheepuram		Download			
16	Kurubarapalli			Krishnagiri		Download			
17	Cheyyar - I			Thiruvannamalai		Download			
18	Cheyyar - II			Thiruvannamalai		Download			
19	Oragadam			Kancheepuram		Download			
20	Vaipur Mathur			Kancheepuram		Download			
21	Thervoykandigai			Thiruvallur		Download			
22	Pillaipakkam			Kancheepuram		Download			
23	Vallam Vadagal - I			Kancheepuram		Download			
24	Aerospace Park			Kancheepuram		Download			
25	Vallam Vadagal - II			Kancheepuram		Download			
26	Manaparai			Tiruchirappalli		Download			
27	Tindivanam			Villupuram		Download			

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12:16 PM 11-11-2024



TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. 190128053419 DATED: 11/07/2019.

PROCEEDINGS NO.T2/TNPCB/F.1399SPR/RL/SPR/A/2019 DATED: 11/07/2019

SUB: TNPC Board-Consent for Establishment-M/s. SIPCOT AEROSPACE PARK , S.F. No. 6,7,8,9,10,11,12,13,14,22,23,24,32,52,207pt,208,209,210,211,212,213,226,227,229,230,231,232,233,234,235,236,237pt,239pt,240,241pt,242pt,244pt,245pt,246,247pt,248pt,276pt277pt, VALLAM A B BLOCK village, Sriperumbudur Taluk and Kancheepuram District - for the establishment or take steps to establish the industry under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987(Central Act. 14 of 1981)-Issued -Reg.

REF: 1. Unit's application for CTE dated 31.01.2017
2. IR.No : F.1399SPR/RL/AE/SPR/2019 dated 23/05/2019
3. Minutes of 173rd TSC meeting held on 19.06.2019 vide agenda item no. 173-8

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

Project Officer, SIPCOT IP, Vallam Vadagal,

M/s . SIPCOT AEROSPACE PARK

S.F

No.6,7,8,9,10,11,12,13,14,22,23,24,32,52,207pt,208,209,210,211,212,213,226,227,229,230,231,232,233,234,235,236,237pt,239pt,240,241pt,242pt,244pt,245pt,246,247pt,248pt,276pt277pt,

VALLAM A B BLOCK Village,

Sriperumbudur Taluk,

Kancheepuram District.

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

S.F No.

6,7,8,9,10,11,12,13,14,22,23,24,32,52,207pt,208,209,210,211,212,213,226,227,229,230,231,232,233,234,235,236,237pt,239pt,240,241pt,242pt,244pt,245pt,246,247pt,248pt,276pt277pt,

VALLAM A B BLOCK Village,

Sriperumbudur Taluk,

Kancheepuram District.

This Consent to establish is valid upto **May 18, 2022**, or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

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

To

Project Officer, SIPCOT IP, Vallam Vadagal,

M/s.SIPCOT AEROSPACE PARK,

Vallam 'A' village,Sriperumbudur Taluk, Kancheepuram-602305 ,Kancheepuram District

Pin: 602305

Copy to:

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

SPECIAL CONDITIONS

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

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Industrial Plots	98.955	Hectares

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

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

3. Additional Conditions:
1. The unit shall ensure that no process emission is let out from its activity
2. The project shall not use ‘use and throwaway plastics’ such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead it shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, Jute bag etc.,

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

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

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

**** This consent order is computer generated by OCMMS of TNPCB and no signature is needed****



TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. 190118053419

DATED: 11/07/2019.

PROCEEDINGS NO.T2/TNPCB/F.1399SPR/RL//SPR/W/2019

DATED: 11/07/2019

SUB: TNPC Board-Consent for Establishment-M/S SIPCOT AEROSPACE PARK S.F No. 6,7,8,9,10,11,12,13,14,22,23,24,32,52,207pt,208,209,210,211,212,213,226,227,229,230,231,232,233,234,235,236,237pt,239pt,240,241pt,242pt,244pt,245pt,246,247pt,248pt,276pt,277pt, VALLAM A B BLOCK Village, Sriperumbudur Taluk, Kancheepuram District - for the establishment or take steps to establish the industry under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 (Central Act 6 of 1974)- Issued- Reg.

REF: 1. Unit's application for CTE dated 31.01.2017
2. IR.No : F.1399SPR/RL/AE/SPR/2019 dated 23/05/2019
3. Minutes of 173rd TSC meeting held on 19.06.2019 vide agenda item no. 173-8

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

Project Officer, SIPCOT IP, Vallam Vadagal,
SIPCOT AEROSPACE PARK

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

S.F.

No.6,7,8,9,10,11,12,13,14,22,23,24,32,52,207pt,208,209,210,211,212,213,226,227,229,230,231,232,233,234,235,236,237pt,239pt,240,241pt,242pt,244pt,245pt,246,247pt,248pt,276pt,277pt,

VALLAM A B BLOCK Village,
Sriperumbudur Taluk,
Kancheepuram District.

This Consent to establish is valid upto **May 18, 2022**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

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

To

Project Officer, SIPCOT IP, Vallam Vadagal,
M/s.SIPCOT AEROSPACE PARK,
Vallam 'A' village, Sriperumbudur Taluk, Kancheepuram-602305 ,
Pin: 602305

Copy to:

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

SPECIAL CONDITIONS

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

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Industrial Plots	98.955	Hectares

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

a		Sewage Treatment Plant:	
Treatment status: Individual STP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Member units will have their own STP	0	-
b		Effluent Treatment Plant:	
Treatment status: Individual ETP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Member units will have their own ETP	0	-
Treatment status: No trade effluent and hence does not arise			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.			

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

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
Effluent Type : Trade Effluent			

4. Additional Conditions:

1. The SIPCOT industrial park (SIPCOT AEROSPACE PARK) shall comply the conditions stipulated in the Environmental clearance issued to the said project vide SEIAA Lr. No. SEIAA-TN/F.No.4262/2015/8 (b)/EC-471/KPM/2016 dated 19.05.2015.
2. The water requirement shall be met from the Chembarambakkam tank through CMWSSB as reported.
3. The SIPCOT shall house industries in the industrial park that do not attract the provisions of EIA Notification 2006 as committed.
4. 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 source under any circumstance.
5. The allotted industries inside the SIPCOT premises shall obtain consent from the Board.
6. No drawl of ground water is permitted within the SIPCOT industrial park.
7. 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.
8. The project generating more than 20 tons of construction and demolition waste or more in one day or 300 tons per project in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorised processing facilities of construction and demolition waste and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public or drains.
9. The project shall segregate and store the waste generated by them in three separate streams namely biodegradable, non bio-degradable and domestic hazardous wastes in suitable bins and handover segregated wastes to authorised waste pickers or waste collectors as per the direction or notification by the local authorities from time to time;
10. All gated communities and institutions with more than 5,000 sqm area shall ensure segregation of waste at source by the generators, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the authorized recyclers. The bio-degradable waste shall be processed, treated and disposed off through composting or bio-methanation within their premises. The residual waste shall be given to the waste collectors or agency as directed by the local body.
11. The project shall ensure that the segregated plastic waste must be sent to plastic recycling units. The waste plastics shall not be buried/land filled or burnt.
12. The project shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead it shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, Jute bag etc.,

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

GENERAL CONDITIONS

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

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

**** This consent order is computer generated by OCMMS of TNPCB and no signature is needed****

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



TC-12310

Annexure -5

Laboratory Services Division

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



TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Project Area

Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016278F

Report No. : HECS/AP/067/170325

Sample ID No : 170325238

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	7.61	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	18.29	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	86.93	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	29.36	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	11.31	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

Hubert Enviro Care Systems (P) Ltd.

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

Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)

Recognized by CPCB (MoEF & CC)

BIS, FSSAI Notified Laboratory

ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Project Area
Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/067/170325/N
Sample ID No : 170325238
Sampling Date : 17/03/2025
Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
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

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016279F

Report No. : HECS/AP/068/170325

Sample ID No : 170325239

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	BLQ(LOQ 5)	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	18.80	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	85.06	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	25.06	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	12.19	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

Hubert Enviro Care Systems (P) Ltd.

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

Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

Laboratory Services Division

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ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Kunnam
Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/068/170325/N
Sample ID No : 170325239
Sampling Date : 15/03/2025
Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
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

Hubert Enviro Care Systems (P) Ltd.

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Thathanur

Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016280F

Report No. : HECS/AP/069/170325

Sample ID No : 170325240

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	8.91	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	19.33	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	14.25	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	93.79	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	30.85	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	12.57	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing)

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BIS, FSSAI Notified Laboratory

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Thathanur
Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/069/170325/N
Sample ID No : 170325240
Sampling Date : 15/03/2025
Received Date : 17/03/2025
Commenced Date: 17/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
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



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Alagoor

Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016281F

Report No. : HECS/AP/070/170325

Sample ID No : 170325241

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m3	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m3	BLQ(LOQ 5)	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	15.07	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	75.6	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	32.66	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	9.75	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Alagoor
Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/070/170325/N
Sample ID No : 170325241
Sampling Date : 15/03/2025
Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
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



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016282F

Report No. : HECS/AP/071/170325

Sample ID No : 170325242

Sampling Date : 10/03/2025

Received Date : 12/03/2025

Commenced Date : 12/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	BLQ(LOQ 5)	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	13.88	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	94.72	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	32.89	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	9.21	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Vallakottai
Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/071/170325/N
Sample ID No : 170325242
Sampling Date : 10/03/2025
Received Date : 12/03/2025
Commenced Date : 12/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
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



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Near Project Area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016284F

Report No. : HECSL/WT/055/170325

Sample ID No : 170325244

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	353.8	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	68.14	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	549.14	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	2370.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.51	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.087	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	38.88	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	7.37	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	7.86	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Near Project Area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016284F

Report No. : HECSL/WT/055/170325

Sample ID No : 170325244

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	31.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	350.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	89.84	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)(Turbidity Method)	200	400
17	Total dissolved solids	mg/l	1327.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	330.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
24	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
25	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
26	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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Lab Manager

Authorized Signatory

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HECS-G/Q/FMT/049

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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Near Project Area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016284F

Report No. : HECSL/WT/055/170325

Sample ID No : 170325244

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
28	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
29	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
30	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
31	Phenolic compounds as C6H5OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
32	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
33	Percent Sodium	%	67.18	HECS /WT/SOP/002:: 2019	NA	NA
34	Residual Sodium Carbonate	meq/l	BLQ (LOQ: 1.0)	IS 11624: 2019	0.2	1.0
35	Ammonia as NH3	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34: Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio (SAR)	Square root of (millimole/lit)	8.3	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.5	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Near Project Area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016284F
Report No. : HECSL/WT/055/170325
Sample ID No : 170325244
Sampling Date : 17/03/2025

Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
41	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
42	Total alkalinity as CaCO3	mg/l	290.0	IS 3025 (Part 23): 1986	200	600
43	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA

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

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Near Project Area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

Report No. : HECSL/WT/055/170325N

Sample ID No : 170325244

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

End of Report



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016285F

Report No. : HECSL/WT/056/170325

Sample ID No : 170325245

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	2.44	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	3.46	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	17.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	BLQ(LOQ:0.2)	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15



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Lab Manager
Authorized Signatory

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

HECS-G/Q/FMT/049

Hubert Enviro Care Systems (P) Ltd.

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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016285F

Report No. : HECSL/WT/056/170325

Sample ID No : 170325245

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	pH at 25°C	-	6.62	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
14	Potassium as K	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	2.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)(Turbidity Method)	200	400
17	Total dissolved solids	mg/l	9.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	3.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
24	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
25	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
26	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016285F
Report No. : HECSL/WT/056/170325
Sample ID No : 170325245
Sampling Date : 15/03/2025

Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
28	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
29	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
30	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
31	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
32	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
33	Percent Sodium	%	66.36	HECS /WT/SOP/002:: 2019	NA	NA
34	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	0.2	1.0
35	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit	0.6	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.7	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016285F

Report No. : HECSL/WT/056/170325

Sample ID No : 170325245

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
41	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
42	Total alkalinity as CaCO3	mg/l	2.0	IS 3025 (Part 23): 1986	200	600
43	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA

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

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

Report No. : HECSL/WT/056/170325N

Sample ID No : 170325245

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

End of Report

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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016286F

Report No. : HECSL/WT/057/170325

Sample ID No : 170325246

Sampling Date : 11/03/2025

Received Date : 12/03/2025

Commenced Date : 12/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	939.4	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin.Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	92.18	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	346.41	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	2160.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.58	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.052	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	58.32	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	2.88	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	7.21	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016286F
Report No. : HECSL/WT/057/170325
Sample ID No : 170325246
Sampling Date : 11/03/2025

Received Date : 12/03/2025
Commenced Date : 12/03/2025
Completed On : 04/04/2025
Report Date : 04/04/2025
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	52.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	590.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	37.98	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)(Turbidity Method)	200	400
17	Total dissolved solids	mg/l	1145.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	0.067	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	470.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
24	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
25	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
26	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016286F

Report No. : HECSL/WT/057/170325

Sample ID No : 170325246

Sampling Date : 11/03/2025

Received Date : 12/03/2025

Commenced Date : 12/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
28	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
29	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
30	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
31	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
32	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
33	Percent Sodium	%	70.37	HECS /WT/SOP/002:: 2019	NA	NA
34	Residual Sodium Carbonate	meq/l	5.9	IS 11624: 2019	0.2	1.0
35	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	11.8	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.4	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016286F

Report No. : HECSL/WT/057/170325

Sample ID No : 170325246

Sampling Date : 11/03/2025

Received Date : 12/03/2025

Commenced Date : 12/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
37	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
41	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
42	Total alkalinity as CaCO3	mg/l	370.0	IS 3025 (Part 23): 1986	200	600
43	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA

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

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

Report No. : HECSL/WT/057/170325N

Sample ID No : 170325246

Sampling Date : 11/03/2025

Received Date : 12/03/2025

Commenced Date : 12/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

End of Report

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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016287F

Report No. : HECSL/WT/058/170325

Sample ID No : 170325247

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Total alkalinity as CaCO ₃	mg/l	250.0	IS 3025 Part 23: 1986	NA
2	Bi carbonate	mg/l	305.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	4.0	IS 3025 Part 44: 1993	30
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	28.06	IS 3025 Part 40: 1991(EDTA Titrimetric	NA
6	Chemical Oxygen Demand (COD)	mg/l	32.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	138.56	IS 3025 Part 32: 1988 (Argentometric Method)	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	5.9	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µS/cm	904.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.43	APHA 23rd edition Method 4500 F -B,D: 2017	2.0
12	Iron as Fe	mg/l	0.107	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO ₃	mg/l	6.03	APHA 23rd edition Method 4500 NO3B: 2017	NA



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016287F

Report No. : HECSL/WT/058/170325

Sample ID No : 170325247

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO4	mg/l	0.133	APHA 23rd edition Method 4500-P B,D: 2017	NA
17	pH at 25°C		8.17	IS 3025 Part 11: 2022 (Electrometric Method)	5.5 – 9.0
18	Total dissolved solids	mg/l	479.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	19.44	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	NA
22	Potassium as K	mg/l	10.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	90.0	IS 3025 Part 45: 1983	NA
24	Sulphate as SO4	mg/l	11.84	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B , C: 2017	NA



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016287F

Report No. : HECSL/WT/058/170325

Sample ID No : 170325247

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Percent Sodium	%	63.10	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12: 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	1.98	IS 11624: 2019	NA
30	Ammonia as NH3	mg/l	0.45	IS 3025 Part 34 Sec 2: 2021	5.0
31	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit r	4.60	IS 11624: 2019	NA
32	Total Hardness as CaCO3	mg/l	150.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	0.04	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	2.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	0.7	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016287F

Report No. : HECSL/WT/058/170325

Sample ID No : 170325247

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
40	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
41	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.01
42	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5.0

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Report No. : HECSL/WT/058/170325N

Sample ID No : 170325247

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003	0.1

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report



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TEST REPORT

Page: 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016288F

Report No. : HECSL/WT/059/170325

Sample ID No : 170325248

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Total alkalinity as CaCO ₃	mg/l	135.0	IS 3025 Part 23: 1986	NA
2	Bi carbonate	mg/l	164.7	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	3.0	IS 3025 Part 44: 1993	30
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	32.06	IS 3025 Part 40: 1991(EDTA Titrimetric	NA
6	Chemical Oxygen Demand (COD)	mg/l	24.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	44.53	IS 3025 Part 32: 1988 (Argentometric	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	6.1	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µS/cm	430.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.26	APHA 23rd edition Method 4500 F -B,D: 2017	2.0
12	Iron as Fe	mg/l	0.087	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO ₃	mg/l	5.85	APHA 23rd edition Method 4500 NO3B: 2017	NA



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016288F

Report No. : HECSL/WT/059/170325

Sample ID No : 170325248

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO4	mg/l	0.109	APHA 23rd edition Method 4500-P B,D: 2017	NA
17	pH at 25°C		7.25	IS 3025 Part 11: 2022 (Electrometric Method)	5.5 – 9.0
18	Total dissolved solids	mg/l	234.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	12.15	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	NA
22	Potassium as K	mg/l	4.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	35.0	IS 3025 Part 45: 1983	NA
24	Sulphate as SO4	mg/l	5.05	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B, C: 2017	NA

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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016288F

Report No. : HECSL/WT/059/170325

Sample ID No : 170325248

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Percent Sodium	%	35.89	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12: 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	0.08	IS 11624: 2019	NA
30	Ammonia as NH ₃	mg/l	0.32	IS 3025 Part 34 Sec 2: 2021	5.0
31	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit r	1.33	IS 11624: 2019	NA
32	Total Hardness as CaCO ₃	mg/l	130.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	0.03	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	5.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	2.2	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

ULR : TC1231025000016288F

Report No. : HECSL/WT/059/170325

Sample ID No : 170325248

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI))
40	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
41	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.01
42	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5.0

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Report No. : HECSL/WT/059/170325N

Sample ID No : 170325248

Sampling Date : 17/03/2025

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Pond near Vallam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

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

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003	0.1

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

End of Report



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam

ULR : TC1231025000016832F
Report No. : HECS/PE/062/170325
Sample ID No : 170325249
Sampling Date : 17/03/2025

Group : Pollution & Environment
Sample Name : Soil
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Project Area
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0
Sampling Method & Plan : ICARDA:2013

Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : 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	10.76	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	14.22	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	15.85	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	22.5	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	40.7	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	36.8	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	8.76	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	444.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Project Area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016832F

Report No. : HECS/PE/062/170325

Sample ID No : 170325249

Sampling Date : 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm3	1.00	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.24	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.42	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	7.03	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	22.77	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020
17	Total Nitrogen as N	%	0.0096	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	7.48	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	7.48	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.1	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	18.8	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02:07: 2020

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Project Area
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/062/170325/N
Sample ID No : 170325249
Sampling Date : 17/03/2025
Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	27.6	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	114.28	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	4.28	Inhouse method
4	Infiltration Rate	-	0.9	Inhouse method

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

End of Report



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016833F

Report No. : HECS/PE/063/170325

Sample ID No : 170325250

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : 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	43.44	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	10.66	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	52.89	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	35.0	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	46.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	18.6	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.74	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	98.5	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016833F

Report No. : HECS/PE/063/170325

Sample ID No : 170325250

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.00	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.23	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.39	IS 2720 (Part 22) Section 1 1972
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	15.54	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020
17	Total Nitrogen as N	%	0.0107	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	11.81	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	3.93	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	1.3	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	30.2	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02:07: 2020

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/063/170325/N

Sample ID No : 170325250

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	5.23	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	155.14	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	8.59	Inhouse method
4	Infiltration Rate	-	0.5	Inhouse method

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

End of Report

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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Thathanur

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016834F

Report No. : HECS/PE/064/170325

Sample ID No : 170325251

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : 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	18.07	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	2.68	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	16.22	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	10.4	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	25.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	64.2	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.45	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	1020.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Thathanur

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016834F

Report No. : HECS/PE/064/170325

Sample ID No : 170325251

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm3	0.98	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.27	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.47	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	19.42	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020
17	Total Nitrogen as N	%	0.0218	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	3.87	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	11.63	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	1.8	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	20.4	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02:07: 2020

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : Thathanur
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/064/170325/N
Sample ID No : 170325251
Sampling Date : 15/03/2025
Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	12.10	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	131.75	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	7.43	Inhouse method
4	Infiltration Rate	-	0.5	Inhouse method

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

End of Report



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Alagoor

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016835F

Report No. : HECS/PE/065/170325

Sample ID No : 170325252

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : 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	6.61	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	5.77	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	6.70	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	26.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	40.6	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	32.8	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	8.48	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	294.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Alagoor

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016835F

Report No. : HECS/PE/065/170325

Sample ID No : 170325252

Sampling Date : 15/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm3	0.99	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.33	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.58	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	6.20	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	16.02	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020
17	Total Nitrogen as N	%	0.0108	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	11.68	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	11.68	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.7	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	18.4	IS 14765: 2000
22	Colour	-	Red	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02:07: 2020

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Alagoor
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/065/170325/N
Sample ID No : 170325252
Sampling Date : 15/03/2025
Received Date : 17/03/2025
Commenced Date : 17/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.20	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	101.23	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	10.74	Inhouse method
4	Infiltration Rate	-	0.7	Inhouse method

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

End of Report



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016836F

Report No. : HECS/PE/066/170325

Sample ID No : 170325253

Sampling Date : 11/03/2025

Received Date : 12/03/2025

Commenced Date : 12/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : 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	11.07	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	11.43	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	8.97	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	24.3	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	40.2	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	35.5	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.89	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	218.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016836F

Report No. : HECS/PE/066/170325

Sample ID No : 170325253

Sampling Date : 11/03/2025

Received Date : 12/03/2025

Commenced Date : 12/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm3	0.98	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.34	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.60	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	18.85	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020
17	Total Nitrogen as N	%	0.0119	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	15.96	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	11.97	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.8	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	18.2	IS 14765: 2000
22	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02:07: 2020

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Aerospace Vallam
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Vallakottai
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 56.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/066/170325/N
Sample ID No : 170325253
Sampling Date : 11/03/2025
Received Date : 12/03/2025
Commenced Date : 12/03/2025
Completed On : 05/04/2025
Report Date : 05/04/2025
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.41	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	120.83	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	3.09	Inhouse method
4	Infiltration Rate	-	0.8	Inhouse method

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

End of Report



D.Anusuya
Lab Manager
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

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



Laboratory Services Division

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



TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Aerospace Vallam

Group : Atmospheric Pollution

Sample Name : Ambient Noise Levels (Excluding vibration)

Sample Mark : Noise

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 54.0

Sampling Method & Plan : IS 9989:1981

ULR : TC1231025000016283F

Report No. : HECS/AP/072/170325

Sample ID No : 170325243

Sampling Date : 11/03/2025 To 17/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample quantity : NA

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	54.7	42.2
2	Kunnam	53.6	40.3
3	Alagoor	52.6	43.1
4	Thathanur	52.7	44.8
5	Vallakottai	54.1	41.6

Noise Standards - CPCB:

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

- Note:**
1. Day Time shall mean from 6.00 am to 10.00 pm.
 2. Night Time shall mean from 10.00 pm to 6.00 am.

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

End of Report



D. Anusuya
Lab Manager
Authorized Signatory



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 Lakshmiipathi Road,
Egmore,
Chennai - 600 008.

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

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

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

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

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

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

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

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

13/04/2020
CHIEF ENGINEER (O&M-II)

பாசனம் - ஸ்ரீமதி மாவட்டம் - திருப்பெரும்புளூர் வட்டம் - இரங்காட்டுக் கோட்டை கிராமம் - அப்போட் தொழில் வளாகத்தில் ஸ்ரீமதி தொழிற்சாலைக்கு - செம்பரம்பாக்கம் ஏரியிலிருந்து ஓட்டை மறிப்பு நிலங்களுக்கு நீர்ப்பாசனம் போக எஞ்சிய நீர் 5 மில்லியன் கன அடங்கு நீர் - வழங்குதல் - ஆணை வெளியிடப் படுகிறது.

பொதுப்பணி (புதுப்பனை)

அரசு ஆணை (நிலை) : 134

தாள்: 31.3.1997

பலக்கலம்:

1. மேலாங்கம் இயக்குநர், அப்போட் தேர்வுக் கமிட்டி என். 1026/96
தாள்: 2.9.1996.
2. தலைமைப்பொறியாளர், நீர்வள ஆதார அமைப்பு, சென்னை மண்டலம்,
அருடங்கா ஓட்டை வழங்குதலைக் கமிட்டி என். பி.பி. 1/5250/96,
தாள்: 24.12.1996.

பாரிஸ் 1ல் கட்ட கமிட்டியில் அப்போட், மேலாங்கம் இயக்குநர் இரங்காட்டுக் கோட்டை அப்போட் தொழில் வளாகத்திற்கு, அங்கு அமையவுள்ள - உருட்டாய் காரி தொழிற்சாலைக்கு தேவையான 1.1 மில்லியன் கன அடி தண்ணீர் உட்பட மொத்தம் சுமார் 10 மில்லியன் கன அடி தண்ணீர் தேவை எந்த கோட்டுக் கொண்டுள்ளார்.

2. பாரிஸ் 2ல் கட்ட கமிட்டியில் தலைமைப்பொறியாளர் நீர் வள ஆதார அமைப்பு சென்னை மண்டலம் மறிப்பு அருடங்கா ஓட்டை வழங்குதல் திட்டம், கட்டிட காலக்காலில் செம்பரம்பாக்கம் ஏரியில் உள்ள நீர் நிலை ஒரே சீராகவும், 1992ம் ஆண்டு 485 மில்லியன் 1980ம் ஆண்டு 711 மில்லியன் கன அடியாகவும், 1996ம் ஆண்டு 2401 மில்லியன் கன அடியாகவும் இருந்ததென, குறிப்பிட்டுள்ளார். மேலும் பதிவு செய்யப் பட்டுள்ள 13,223 ஏக்கர் சுயக்கட்டுகளில் தற்போது விவசாயம் செய்யப்பட்டு வரும் 9800 ஏக்கர் நிலங்களுக்கு நீர்ப்பாசனம் செய்தாக வேண்டும் என்ற நிலை உள்ளது எனவும் குறிப்பிட்டுள்ளார். மேலும் இத்தோடு சென்னை மாநகருக்கு ஆதரவாக வசதியும் செம்பரம்பாக்கம் ஏரியிலிருந்து வழங்க வேண்டியிருப்பதால் நீர் இருப்பை கருத்தில் கொண்டு தாள் தண்ணீர் வழங்க வேண்டும் என்ற குறிப்பிட்டுள்ளார்.

3. தலைமைப்பொறியாளர் (சென்னை மண்டலம் மறிப்பு அருடங்கா ஓட்டை வழங்குதல் திட்டம்) டி கமிட்டியைக் கருத்திற் கொண்டு அப்போட் தொழில் வளாகத்திற்குச் செயற்குறிப்பை அரசு பரிசீலித்தது.

செம்பரம்பாக்கம் ஏரியில் நீர் இருப்பிற்கான, பதிவு செய்யப் பட்ட சுயக்கட்டு பகுதிகளுக்கான தேவையான தண்ணீர் மறிப்பு சென்னை நகருக்கு ஓட்டைக்குத் தேவையான ஓட்டைப் பூரித்த செய்த படி செம்பரம்பாக்கம்



/உயிர்பா/

புதுப்பனை அமைப்பின் பகுதி - கிளினிக் மருத்துவம்.

21/4

SS

21/4

ARE.

Pl. Send a copy of this to SIPWT. GM (Tirumala) for information.

Madam, Secretary

Annexure 7

Post EC HYCR report - reg - cons x WhatsApp x 19. Compliance Report - Vaniam x Welcome to PARIVESH x SIPCOT - State Industries Promot x

sipcotweb.tn.gov.in/Compliance_Report

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COMPLIANCE REPORTS

S.NO.	TITLE	DOWNLOAD
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16:58 27-03-2025

Annexure 8

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

Date: 30.09.2024

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

IBYRPAD /

Sir,

Sub: SIPCOT Aerospace Park - Environmental Statement for the Financial Year ending 31st March 2024 - Submitted - Reg.

Ref: SEIAA EC Lr.No. SEIAA-TN/F.No-4262/2015/8(b)/EC-471/KPM/2016 dated 19.05.2016.

With reference to the above, we hereby submit the Environmental Statement in Form-V as prescribed under the Environmental (Protection) Rules, 1986 and its subsequent amendment in respect of SIPCOT Aerospace Park at Vallam Vadagal Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu for financial year ending 31st March 2024.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/



ASSISTANT GENERAL MANAGER (P-IV)

Sir,
FC compared.
o/c.
Jee.
30/9/24

SIPCOT- AEROSPACE PARK MONITORING PHOTOGRAPHS

AMBIENT AIR QUALITY MONITORING PHOTOGRAPH

PROJECT AREA



KUNNAM



THATHANOOR



ALAGOOR



VALLAKOTTAI



NOISE MONITORING PHOTOGRAPH

PROJECT AREA



KUNNAM



THATHANOOR



ALAGOOR



VALLAKOTTAI



SOIL SAMPLING PHOTOGRAPH

PROJECT AREA



KUNNAM



THATHANOOR



ALAGOOR



VALLAKOTTAI



GROUND WATER SAMPLING PHOTOGRAPH

PROJECT AREA



KUNNAM



VALLAKOTTAI



SURFACE WATER SAMPLING PHOTOGRAPH

POND NEAR VALLAKOTTAI



POND NEAR VALLAM



Green Belt Photograph





STORM WATER DRAIN



ENVIRONMENTAL MANAGEMENT CELL

1. INTRODUCTION:

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

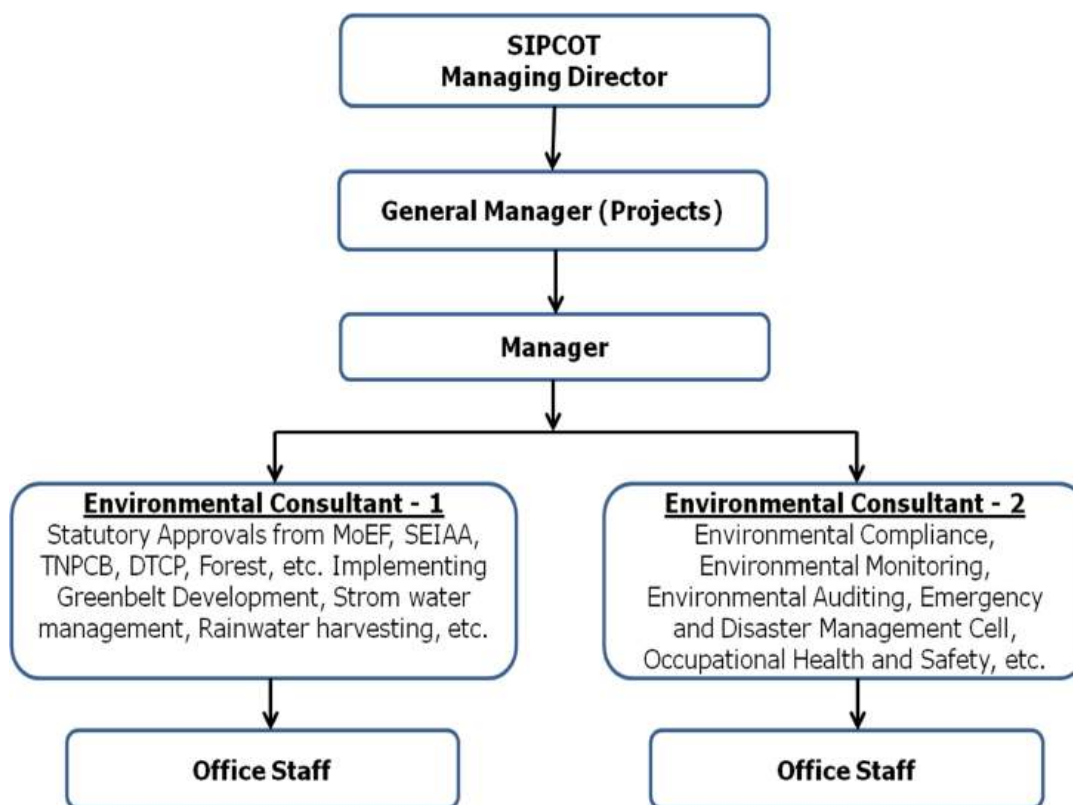


Figure - 1 Organogram for Environmental Management Cell

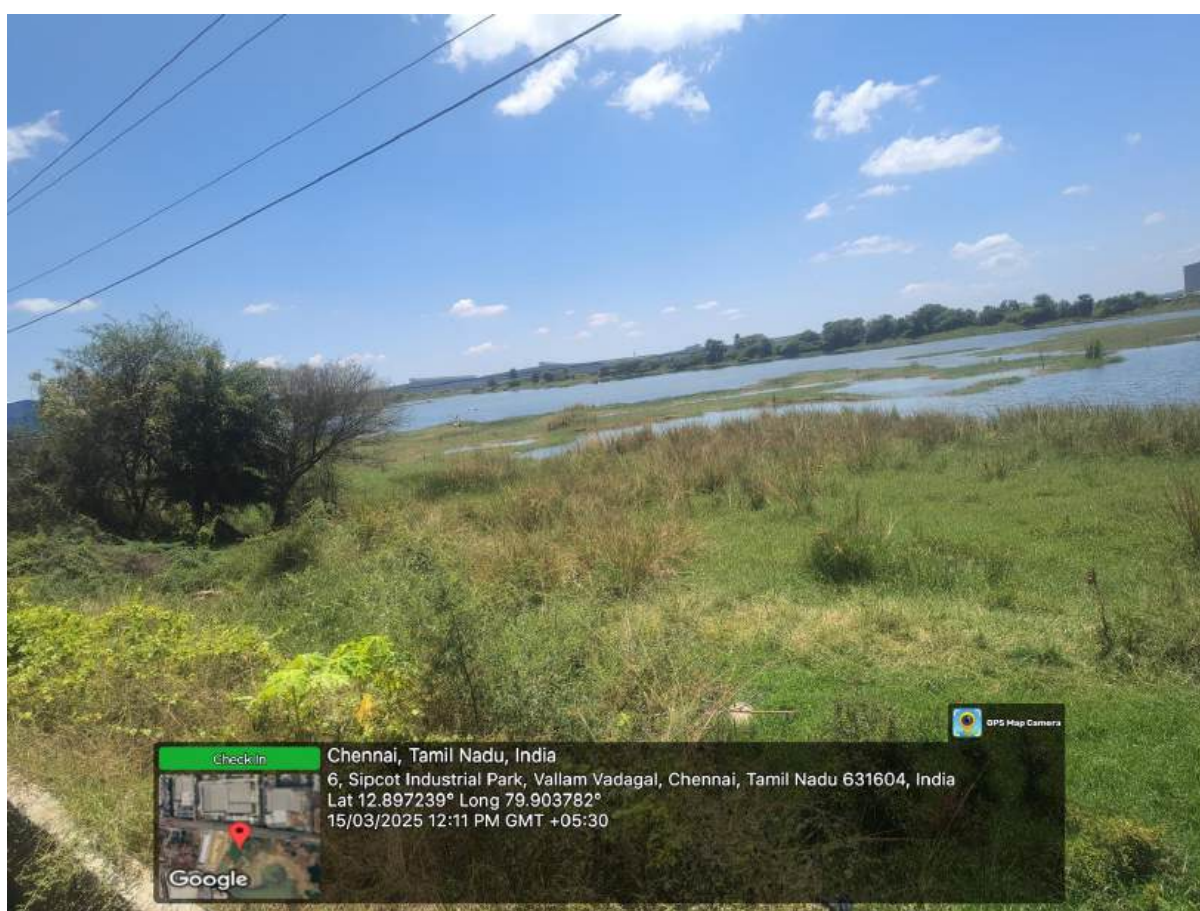
2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:

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

Table – 1: Roles and responsibilities of EMC

S.No.	Designation	Responsibilities
1	Managing Director	<ul style="list-style-type: none">➤ Responsible for overall environmental management.➤ Regularly conduct meeting with EMC and take feedback regarding all the activities performed under Environmental Management and give directions to succeeding component.➤ Approval of funds for carrying out environmental management activities.
2	GM – Projects	<ul style="list-style-type: none">➤ Keep aware about all the activities performed under EMC in the industrial parks.➤ Issuing direction to Project officers for implementing Greenbelt development, Storm water management, rain water harvesting, etc.➤ To deal with legal entity pertaining to environmental issues.
3	Manager	<ul style="list-style-type: none">➤ To prepare and allocate budget for Environment Management Plan.➤ Ensuring compliance to the conditions prescribed by statutory authority.➤ Mandating member industries to comply with the conditions stipulated in the statutory approvals and non-compliance if any shall be reported to GM and immediately required action will be taken.
4	Environmental Consultants (Two)	<ul style="list-style-type: none">➤ Obtaining Statutory Approvals from MoEF&CC / SEIAA / TNPCB, etc.➤ Addressing the various queries received from statutory authorities on environmental front.➤ Submitting Environmental compliance report and coordinating with project officers for Environmental monitoring, audit, etc.➤ Compliance with the environmental laws and implications which dynamically changes from time to time due to the emerging challenges.

WATER BODIES PHOTOGRAPHS



FIRE PROTECTION EQUIPMENT





Chennai, Tamil Nadu, India

G82, Sipcot Industrial Park, Vallam Vadagal, Chennai, Tamil Nadu 602105, India

Lat 12.91193° Long 79.925368°

20/03/2025 10:25 AM GMT +05:30

FIRST AID ROOM



MEDICAL CAMP PHOTOGRAPHS

