SIPCOT

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

Date: 30.11.2023

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

Sir/Madam,

Sub: SIPCOT Aerospace Park – Submission of Half Yearly Compliance Report for December 2023 (i.e., for the period of April 2023 to September 2023) - 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 December 2023 (i.e., for the period of April 2023 to September 2023) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

Copy to:

1. The Director,
   The Ministry of Environment and Forest & Climate Change,
   Integrated Regional Office,
   1st Floor, Additional Office Block for GPOA,
   Shastri Bhawan, Haddows Road,
   Nungambakkam, Chennai – 600 006

2. The Director,
   CPCB Zonal Office,
   77-A, South Avenue Road,
   Ambattur Industrial Estate,
   Ambattur Taluk, Thiruvallur District,
   Chennai - 600 058.

P.T.O.

SIPCOT

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.

/Forwarded by Order/

H. Prabhavathy
GENERAL MANAGER (P-II)

30/11/23

HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of April 2023- September 2023

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/2016dated 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)

November 2023

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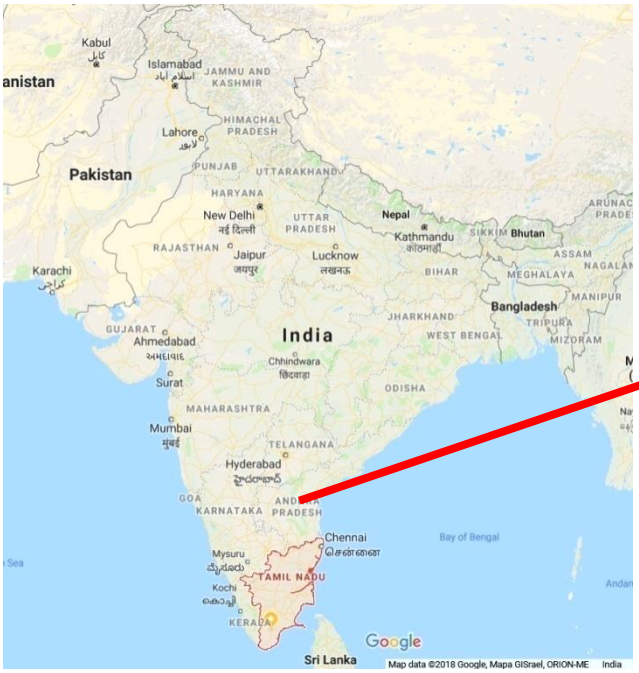
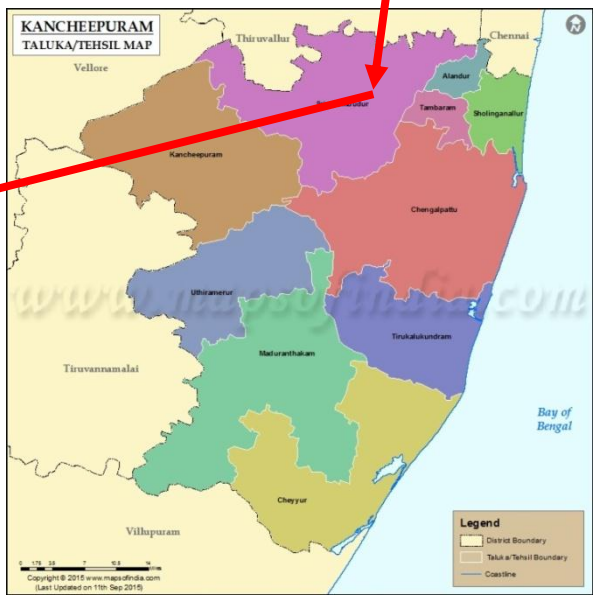
LIST OF ANNEXURE

1.0 PROJECT DETAILS

Name of the Project	SIPCOT Aerospace Park
Name of the Proponent	State Industries Promotion Corporation Of Tamil Nadu Ltd.
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 / Chembarambakkam Lake
Project Cost	Rs. 100 Crores

2.0 LOCATION MAP





3.0 SITE PHOTOGRAPHS


31.08.2022


பசுமைவெளி பூங்கா
SIPCOT AEROSPACE PARK - VALLAM VADAGAL
OSR GREENERY
31.08.2023

4.0 SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCESTATEMENT

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. Newspaper advertisement copy is enclosed as **Annexure - 2.**
2	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/ SEIAA shall be obtained.	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. The clearance letter has been uploaded on SIPCOT website. Screenshot of the 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	Condition Noted. No appeal lies against this project.

S.NO	CONDITION	STATUS OF COMPLIANCE
	Green Tribunal, if preferred, with in a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,2020.	
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.	Individual member units will be mandated to obtain all necessary statutory clearances and approvals.
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.	All the member industries will be advised to comply with.
8.	Design of buildings should be in conformity with the Seismic Zone Classifications.	Individual member units will be mandated to obtain all necessary statutory clearances and approvals.
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.	Individual member units 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	Condition noted.

S.NO	CONDITION	STATUS OF COMPLIANCE
	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).	

(B). CONSTRUCTION PHASE

Construction Phase	Not applicable since construction is completed.

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 is being complied. Water bodies will be kept in their natural course and will not be disturbed.
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 is being complied. Catchment area of the adjacent lakes will not be disturbed.
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 is being complied. 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	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 is enclosed as

S.NO	CONDITION	STATUS OF COMPLIANCE
	continuously monitored by the Developer so as to prevent discharge of the treated sewage/ trade effluent into canal/ Lakes.	**Annexure - 5**.
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 and There is no R &R issue.
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.	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.	Greenbelt is being developed within the industrial park. All the member units will be 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. Individual Industries are mandated to have their own ETP and STP plant and reuse the treated water for process/greenbelt. Further, Individual industries shall handle their Solid Waste generated within their premises.
22.	The water requirement shall be met from the Chembarambakkam Lake (TTRO water) through CMWSSB as committed, by SIPCOT.	Condition complied. The water requirement is being met from the Chembarambakkam 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	Condition noted.

S.NO	CONDITION	STATUS OF COMPLIANCE
	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.	Condition is being Complied. Industries are instructed to have their own Air Pollution control measures and also advised to install rain water harvesting structures and to develop greenbelt.
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.	Individual units are mandated to obtain all necessary statutory clearances and approvals.
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.
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.	All the member industries are advised to comply with.
29.	A First Aid Room shall be provided with qualified personnel during operation of the project.	All the member industries are advised to comply with.
30.	Adequate fire protection equipments and rescue arrangements should be made.	All the member industries are advised to comply with.

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 harvesting.	All the member industries are instructed to comply with.
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.	All the member industries are instructed to comply with.
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 is being complied. All the member industries are instructed to comply with.
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.	Individual member units will be mandated to obtain all necessary statutory clearances and approvals. 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 in OSR area. All the member industries are instructed to comply with. The Greenbelt Photograph is attached as **Annexure -10.**
g.	Application of solar energy should be incorporated for illumination of common areas,	All the member industries are instructed to comply with.

	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.	Condition is being complied. All the member industries are instructed to comply with.
i.	A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared in corporating 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.
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 are enclosed as **Annexure -5.**
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.	Condition is being complied. Ground water and Surface water quality monitoring report is enclosed as **Annexure - 5.**
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.	Condition is being complied.
33.	The SEIAA reserves the right to add additional safeguard measures subsequently, if found non compliance of EC conditions and to take action	Condition noted.

	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.	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. Screenshot of compliance report uploaded in 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.	The clearance letter has been uploaded in SIPCOT website and the 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.	All the member industries shall comply with.
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	All the member industries shall comply with.

	personnel protective 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.	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 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions' and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.	Condition is being complied. Proof of dispatch of Form V to TNPCB and the screenshot of uploading the environmental statement in SIPCOT website is enclosed as **Annexure-8.** Screenshot of Environmental Statement uploaded in the SIPCOT website is enclosed as **Annexure – 7.**
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.	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	Condition noted.

	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.	Condition noted. SIPCOT shall comply with all the necessary conditions of EC.
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 of Madras and any other Courts subject matter.	Condition noted.

5.0 ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit Six Monthly Compliance Report (Half Yearly Compliance) to MoEF & CC Regional Office by the proponent. For the purpose of submitting Six-Monthly Compliance report, environmental monitoring was carried out at site by M/s. Hubert Enviro Care Systems Pvt. Ltd. during the period of April 2023 – September 2023.

5.1 Ambient Air Quality monitoring

The ambient air quality parameters such as suspended Particulate matter (PM10), Respirable Particulate matter (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx), Ammonia, Ozone and Carbon monoxide were monitored. The test report of ambient air quality for the period of April 2023 – September 2023 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 April 2023 – September 2023 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 April 2023 – September 2023 is enclosed as **Annexure - 5.**

5.4 Ground water quality monitoring

Ground water was tested for various water quality parameters during the period of April 2023 – September 2023.The test report of 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 April 2023 – September 2023.The test report of surface water collected and analyzed is enclosed as **Annexure- 5**.

6.0 CONCLUSION

1. The environmental monitoring was carried out at site during the period of April 2023 - September 2023.
2. All the conditions stipulated in Environmental Clearance are being complied/ will be complied.

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

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ANNEXURE

Annexure 1

सत्यमेव जयते

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

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

सत्यमेव जयते

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	• Name: Dr.R.Selvaraj, IAS, M.D-SIPCOT • Address: 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai 600008 • Telephone Number: 044-28554514 • Mobile Number: 9841459919 • Email id: cmdsipcot2014@gmail.com
4.	Name, address, e-mail & contact number of Consultant	• Name: Dr.V.Nehrukumar PhD • Address: Centre for Environment, Health & Safety Annamalai University, Chidambaram 608002 • Telephone Number: 04144-238731 • Mobile Number: 9443223091 • Email id: centreforehs@gmail.com
5.	Accreditation of Consultant (NABET accreditation)	Accredited by QCI / NABET for industrial estates / parks / complexes / areas / export processing zones / special economic zones / biotechparks / leather complexes A & B Category projects.
6.	New project/Expansion in existing project / Modernization/Diversification in existing Project.	New Project – SIPCOT is proposed to develop Engineering & Allied industries towards manufacturing, repair and maintenance of Aerospace components. R&D not included. 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

CHAIRMAN
SEIAA-TN

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	• 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). **Total Plot Area** - 244.53 acres (98.96 ha).(400478.55sq.mt).
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, 68th SEAC meeting held on 26th , 27th & 28th 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:	• 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

CHAIRMAN
SEIAA-TN

	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)	• 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 • 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	• 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	• Green Belt area (Sq. mt): 297929.57 Sq.mt.

CHAIRMAN
SEIAA-TN

<table>
<tr><td></td><td></td><td colspan="3">• Green belt will be developed based on the advice of DFO, Kanchipuram.</td></tr>
<tr><td>26.</td><td>Environmental Management plan Budgetary allocation</td><td></td><td>
<table>
<tr><td>Sl.No.</td><td>Details</td><td>Capital cost (lakhs)</td></tr>
<tr><td>1.</td><td>Environment Monitoring and Management</td><td>25.00</td></tr>
<tr><td>2.</td><td>Green Belt</td><td>100.00</td></tr>
<tr><td></td><td>Total</td><td>125.00</td></tr>
</table>
</td><td></td></tr>
<tr><td>27</td><td>EIA Submitted (If yes then submit the salient features)</td><td colspan="3">• Period of data collected: February to March 2015</td></tr>
</table>

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 TN

(A) <u>Conditions for Pre Construction Phase:-</u>

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.

CHAIRMAN
SEIAA-TN

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

(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.

CHAIRMAN
SEIAA-TN

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.

CHAIRMAN
SEIAA-TN

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.

CHAIRMAN
SEIAA-TN

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. <u>SIPCOT as well as its member units shall be mandated to comply the following conditions:</u>

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 harvesting.

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.

c. 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.

d. The Plastic wastes shall be segregated and disposed through authorized recyclers.

e. .The acoustic enclosures shall be installed for 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.

f. 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.

CHAIRMAN
SEIAA-TN

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 base line 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

CHAIRMAN
SEIAA-TN

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

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

CHAIRMAN
SEIAA-TN

Copy to:-

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

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, I & 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.

Annexure - I

SIPCOT - AEROSPACE PARK - VALLAM
FMB AREA STATEMENT

SL. No:	S.F.No.	Extent in Hec- are	Acre
I. VALLAM 'A' VILLAGE			
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	4.765	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

Annexure 2

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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

தினத்தந்தி 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 வட்கால் 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

17	Cheyyar	Thiruvannamalai	
	a) Cheyyar – I		Download
	b) Cheyyar – II		Download
18	Oragadam	Kancheepuram	
	a) Oragadam		Download
	b) Vaipur Mathur		Download
19	Thervoykandigai	Thiruvallur	Download
20	Pillaipakkam	Kancheepuram	Download
21	Vallam Vadagal	Kancheepuram	
	a) Vallam Vadagal – I		Download
	b) Aerospace Park		Download
	c) Vallam Vadagal – II		Download
22	Manaparai	Tiruchirappalli	Download
23	Tindivanam	Villupuram	Download
24	Manallur	Thiruvallur	Download
25	Thoothukudi - II	Thoothukudi	Download
26	Nemili	Kancheepuram	Download
27	Marudhandapalli (Hosur Phase-IV)	Krishnagiri	Download
28	Mambakkam	Kancheepuram	Download new
29	Theni	Theni	Download new

Annexure 4

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,276pt277pt, 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,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 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 indusial 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.
18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
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Annexure - 5

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

TEST REPORT

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

Report No. : **HECSL/AA/013/020923**
Report Date : **08/09/2023**

Sample Description : **Ambient Air Quality**
Sampling Location : **Project Area**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **31/08/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**
Completed On: **08/09/2023**

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	µg/m³	9.06	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m³	20.75	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m³	47.16	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	µg/m³	25.83	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	µg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m³	10.68	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m³	6.22	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/m³	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	µg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

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

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

Authorized Signatory

SIVAPRAKASAM. M
Lab Manager

Hubert Enviro Care Systems (P) Ltd.
18, 92nd Street, Ashok Nagar,
Chennai - 600 083.
Ph: 42985555 Fax : 42985500
E-mail : labsales@hecs.in

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

TEST REPORT

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

Report No. : **HECSL/AA/014/020923**
Report Date : **08/09/2023**

Sample Description : **Ambient Air Quality**
Sampling Location : **Kunnam**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **31/08/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On: **08/09/2023**

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	µg/m³	10.25	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m³	21.72	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m³	49.66	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	µg/m³	23.35	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	µg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m³	12.15	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m³	7.05	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/m³	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	µg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

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

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

Authorized Signatory

SIVAPRAKASAM.M
Lab Manager

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FSSAI Notified Laboratory
ISO 9001, 14001 & 45001 Certified.

TEST REPORT

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

Report No. : **HECSL/AA/015/020923**
Report Date : **08/09/2023**

Sample Description : **Ambient Air Quality**
Sampling Location : **Thathanur**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **07/03/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On: **08/09/2023**

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	µg/m³	10.06	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m³	20.66	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m³	34.15	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	µg/m³	23.18	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	µg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m³	BLQ(LOQ10)	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m³	7.88	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/m³	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	µg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.
Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

Authorized Signatory
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TEST REPORT

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

Report No. : **HECSL/AA/016/020923**
Report Date : **08/09/2023**

Sample Description : **Ambient Air Quality**
Sampling Location : **Alagoor**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **07/03/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On :**08/09/2023**

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	µg/m³	13.84	CPCB guide lines Volume I: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m³	24.15	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m³	49.68	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	µg/m³	24.82	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	µg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m³	12.60	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m³	7.33	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/m³	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	µg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

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

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

Authorized Signatory
SIVAPRAKASAM. M
Lab Manager

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TEST REPORT

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

Report No. : **HECSL/AA/017/020923**
Report Date : **08/09/2023**

Sample Description : **Ambient Air Quality**
Sampling Location : **Vallakottai**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **07/03/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**
Completed On :**08/09/2023**

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Standards : 2009	
1	Sulphur Dioxide	µg/m³	9.84	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m³	23.75	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m³	40.48	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	µg/m³	23.75	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	µg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m³	BLQ(LOQ 10)	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m³	7.15	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/m³	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	µg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

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

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

Authorized Signatory

SIVAPRAKASAM. M

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Laboratory Services Division
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TEST REPORT

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

Report No. : **HECSL/WT/010/020923**
Report Date : **08/09/2023**

Sample Description : **WATER**
Sample Mark Sample : **Kunnam - Ground Water**
Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **31/08/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On : **08/09/2023**

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.31	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO3	mg/l	160.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	1386.0	IS 3025 (Part - 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NTU	1.1	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO3	mg/l	405.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	85.77	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	225.67	4500 Cl -- B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	46.11	IS 3025 (Part - 46) 1994	30	100
10	Total Dissolved Solids	mg/l	748.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO4	mg/l	128.76	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.43	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO3	mg/l	28.61	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.039	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation

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TEST REPORT

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

Report No. : HECSL/WT/010/020923
Report Date : 08/09/2023

Sample Description : WATER
Sample Mark Sample : Kunnam - Ground Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 31/08/2023 -02/09/2023
Analysis Commenced On : 02/09/2023

Completed On : 08/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation
24	Sodium as Na	mg/l	102	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	7.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	0.11	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	2.0	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.3	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	0.033	IS 3025 (Pt 31) : 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bi Carbonate	mg/l	195.2	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	34.73	IS 3025(Part -45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
42	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	-	2.20	IS 11624 - 1986	NA	NA

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

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

Report No. : HECSL/WT/011/020923
Report Date : 08/09/2023

Sample Description : WATER
Sample Mark Sample : Near Project Site Aerospace - Ground Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 31/08/2023 -02/09/2023
Analysis Commenced On : 02/09/2023

Completed On : 08/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.51	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO3	mg/l	150.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	1056.0	IS 3025 (Part - 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NTU	1.4	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO3	mg/l	301.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	65.73	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	169.25	4500 Cl -– B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	33.29	IS 3025 (Part - 46) 1994	30	100
10	Total Dissolved Solids	mg/l	570.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO4	mg/l	85.26	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.43	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO3	mg/l	6.52	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.063	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation

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TEST REPORT

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

Report No. : HECSL/WT/011/020923
Report Date : 08/09/2023

Sample Description : WATER
Sample Mark Sample : Near Project Site Aerospace - Ground Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 31/08/2023 -02/09/2023
Analysis Commenced On : 02/09/2023

Completed On : 08/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation
24	Sodium as Na	mg/l	85.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	7.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	0.127	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	2.0	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium as Cr	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.5	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	0.039	IS 3025 (Pt 31) : 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bi Carbonate	mg/l	183.0	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	37.19	IS 3025(Part-45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	-	2.12	IS 11624 - 1986	NA	NA

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

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

Report No. : **HECSL/WT/008/020923**
Report Date : **08/09/2023**

Sample Description : **WATER**
Sample Mark Sample : **Vallakottai-Ground Water**
Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **01/09/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On : **08/09/2023**

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.91	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO3	mg/l	210.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	µS/cm	1132.0	IS 3025 (Part - 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NTU	0.5	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO3	mg/l	329.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	73.35	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	172.22	4500 Cl --- B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	35.48	IS 3025 (Part - 46) 1994	30	100
10	Total Dissolved Solids	mg/l	611.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO4	mg/l	75.81	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.43	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO3	mg/l	7.25	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.036	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation

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ISO 9001, 14001 & 45001 Certified.

TEST REPORT

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

Report No. : HECSL/WT/008/020923
Report Date : 08/09/2023

Sample Description : WATER
Sample Mark Sample : Vallakottai-Ground Water
Drawn By : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date : 01/09/2023 -02/09/2023
Analysis Commenced On : 02/09/2023

Completed On : 08/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:10500-2012	
					Acceptable Limits	Permissible Limits
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation
24	Sodium as Na	mg/l	86.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	6.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	BLQ(LOQ 0.01)	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.4	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 (Pt 31) : 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bi Carbonate	mg/l	256.2	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	35.82	IS 3025(Part -45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	-	2.08	IS 11624 - 1986	NA	NA

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

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

Report No. : **HECSL/WT/009/020923**
Report Date : **08/09/2023**

Sample Description : **WATER**
Sample Mark Sample : **Pond Near Vallakottai - Surface Water**
Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **01/09/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On :**08/09/2023**

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
1	pH (at 25 °C)	-	8.15	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO3	mg/l	100.0	IS 3025 (Part - 23):1986	NA
3	Electrical conductivity	µS/cm	784.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	6.5	IS 3025(Part - 10):1984	1
6	Total Hardness as CaCO3	mg/l	184.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	41.28	IS 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	146.28	4500 Cl – B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	19.68	IS 3025 (Part - 46) 1994	NA
10	Total Dissolved Solids	mg/l	424.0	IS 3025(Part -16):1984	500
11	Sulphate as SO4	mg/l	47.56	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	0.43	IS 3025 (Part - 60):1986	1.5
13	Nitrate as NO3	mg/l	4.12	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	0.19	IS 3025 (Part - 53):2003	0.3
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	NA
16	Zinc as Zn	mg/l	24.33	USEPA Method 200.8:1994	15
17	Copper as Cu	mg/l	7.12	USEPA Method 200.8:1994	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.5
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.001
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.1
21	Selenium as Se	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01
22	Arsenic as As	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001

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TEST REPORT

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

Report No. : **HECSL/WT/009/020923**
Report Date : **08/09/2023**

Sample Description : **WATER**
Sample Mark Sample : **Pond Near Vallakottai - Surface Water**
Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **01/09/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On : **08/09/2023**

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
24	Sodium as Na	mg/l	71.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	5.0	IS3025 (Part - 45):1993	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	15.0	IS 3025 (Part - 17):1984	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	NA
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05
30	Total Chromium	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	NA
31	BOD,3 days @27°C as O2	mg/l	4.0	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as O2	mg/l	28.0	IS 3025 (Part - 58):2006	NA
33	Dissolved oxygen	mg/l	6.1	IS 3025 (Part - 38):1989	6
34	Total Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 (Pt 31) : 1988	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA
36	Bi Carbonate	mg/l	122	IS 3025 (Part - 23):1986	NA
37	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	NA
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	NA
39	Percent Sodium as Na	%	44.61	IS 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	1
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA
44	Sodium Absorption Ratio	-	2.27	IS 11624 - 1986	NA

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

End of Report

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ISO 9001, 14001 & 45001 Certified.

TEST REPORT

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

Report No. : **HECSL/WT/010/020923**
Report Date : **08/09/2023**

Sample Description : **WATER**
Sample Mark Sample : **Pond Near Vallam- Surface Water**
Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **01/09/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On: **08/09/2023**

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
1	pH (at 25 °C)	-	7.69	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO3	mg/l	95.0	IS 3025 (Part - 23):1986	NA
3	Electrical conductivity	µS/cm	834.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	3.9	IS 3025(Part - 10):1984	1
6	Total Hardness as CaCO3	mg/l	172.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	38.48	IS 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	180.63	4500 Cl -— B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	18.47	IS 3025 (Part - 46) 1994	NA
10	Total Dissolved Solids	mg/l	451.0	IS 3025(Part -16):1984	500
11	Sulphate as SO4	mg/l	27.35	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	0.41	IS 3025 (Part - 60):1986	1.5
13	Nitrate as NO3	mg/l	5.62	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	0.26	IS 3025 (Part - 53):2003	0.3
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	NA
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	15
17	Copper as Cu	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.5
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.001
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.1
21	Selenium as Se	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01
22	Arsenic as As	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001

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TEST REPORT

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

Report No. : **HECSL/WT/010/020923**
Report Date : **08/09/2023**

Sample Description : **WATER**
Sample Mark Sample : **Pond Near Vallam- Surface Water**
Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **01/09/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On: **08/09/2023**

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
24	Sodium as Na	mg/l	88.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	7.0	IS3025 (Part - 45):1993	NA
26	Phosphate as PO4	mg/l	0.092	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	9.0	IS 3025 (Part - 17):1984	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	NA
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05
30	Total Chromium	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	NA
31	BOD,3 days @27°C as O2	mg/l	3.0	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as O2	mg/l	24.0	IS 3025 (Part - 58):2006	NA
33	Dissolved oxygen	mg/l	6.1	IS 3025 (Part - 38):1989	6
34	Total Phosphorous as P	mg/l	0.028	IS 3025 (Pt 31) : 1988	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA
36	Bi Carbonate	mg/l	115.9	IS 3025 (Part - 23):1986	NA
37	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	NA
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	NA
39	Percent Sodium as Na	%	51.23	IS 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	1
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA
44	Sodium Absorption Ratio	-	2.91	IS 11624 - 1986	NA

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

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SIVAPRAKASAM. M
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TEST REPORT

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

Report No. : **HECSL/SD/6/020923**
Report Date : **08/09/2023**

Sample Description : **SOIL**
Sample Mark : **Kunnam**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **31/08/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**
Completed On: **08/09/2023**

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		0.51	ASTM D421/422
3	Soil Texture i)Sand	%	32.5	ASTM D421/422
4	Soil Texture ii)Silt	%	35.4	ASTM D421/422
5	Soil Texture iii)Clay	%	32.1	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	8.41	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	170.22	IS:14767:2000
8	Cation exchange capacity	meq/100g	3.43	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.67	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	15.34	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	7.56	IS 10158:1982
12	Potassium	mg/kg	26.31	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	5.37	US EPA 200.8 Method
16	Iron	mg/kg	5.27	US EPA 200.8 Method
17	Manganese	mg/kg	121.76	US EPA 200.8 Method
18	Zinc	mg/kg	31.23	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	6.1	ASTM D6391-11
21	Bulk density	gm/cc	4.45	ASTM D6683-14
22	Moisture Content	%	12.46	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	39.22	IS 14765
24	Calcium as Ca	mg/kg	215.1	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	133.11	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	27.62	US EPA 200.8 Method

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

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TEST REPORT

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

Report No. : **HECSL/SD/7/020923**
Report Date : **08/09/2023**

Sample Description : **SOIL**
Sample Mark : **Project Site**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **31/08/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**
Completed On: **08/09/2023**

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		1.54	ASTM D421/422
3	Soil Texture i)Sand	%	23.4	ASTM D421/422
4	Soil Texture ii)Silt	%	44.2	ASTM D421/422
5	Soil Texture iii)Clay	%	32. 4	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	8.33	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	154.75	IS:14767:2000
8	Cation exchange capacity	meq/100g	5.42	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.71	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	14.23	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	BLQ(LOQ 0.02)	IS 10158:1982
12	Potassium	mg/kg	25.76	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	5.33	US EPA 200.8 Method
16	Iron	mg/kg	0.41	US EPA 200.8 Method
17	Manganese	mg/kg	92.11	US EPA 200.8 Method
18	Zinc	mg/kg	31.27	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	6.13	ASTM D6391-11
21	Bulk density	gm/cc	1.31	ASTM D6683-14
22	Moisture Content	%	6.33	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	29.42	IS 14765
24	Calcium as Ca	mg/kg	131.18	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	123.4	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	27.12	US EPA 200.8 Method

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 033

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TEST REPORT

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

Report No. : **HECSL/SD/11 /020923**
Report Date : **08/09/2023**

Sample Description : **SOIL**
Sample Mark : **Vallakottai**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **01/09/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**

Completed On: **08/09/2023**

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		0.61	ASTM D421/422
3	Soil Texture i)Sand	%	27.5	ASTM D421/422
4	Soil Texture ii)Silt	%	33.1	ASTM D421/422
5	Soil Texture iii)Clay	%	39.4	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.71	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	171.3	IS:14767:2000
8	Cation exchange capacity	meq/100g	6.5	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.71	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	13.51	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	BLQ(LOQ 0.02)	IS 10158:1982
12	Potassium	mg/kg	43.65	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	7.73	US EPA 200.8 Method
16	Iron	mg/kg	BLQ(LOQ 0.02)	US EPA 200.8 Method
17	Manganese	mg/kg	151.23	US EPA 200.8 Method
18	Zinc	mg/kg	14.65	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	7.56	ASTM D6391-11
21	Bulk density	gm/cc	5.67	ASTM D6683-14
22	Moisture Content	%	6.18	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	45.53	IS 14765
24	Calcium as Ca	mg/kg	130.22	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	76.87	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	31.42	US EPA 200.8 Method

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

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TEST REPORT

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

Report No. : **HECSL/SD/12 /020923**
Report Date : **08/09/2023**

Sample Description : **SOIL**
Sample Mark : **Thathanur**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **31/08/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**
Completed On: **08/09/2023**

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay	ASTM D421/422
2	Organic Carbon		0.58	ASTM D421/422
3	Soil Texture i)Sand	%	31.3	ASTM D421/422
4	Soil Texture ii)Silt	%	24.5	ASTM D421/422
5	Soil Texture iii)Clay	%	44.2	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.84	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	135.0	IS:14767:2000
8	Cation exchange capacity	meq/100g	7.4	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	0.58	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	4.32	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	BLQ(LOQ 0.02)	IS 10158:1982
12	Potassium	mg/kg	21.33	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	3.52	US EPA 200.8 Method
16	Iron	mg/kg	0.65	US EPA 200.8 Method
17	Manganese	mg/kg	92.88	US EPA 200.8 Method
18	Zinc	mg/kg	16.33	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	6.12	ASTM D6391-11
21	Bulk density	gm/cc	0.91	ASTM D6683-14
22	Moisture Content	%	6.32	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	36.32	IS 14765
24	Calcium as Ca	mg/kg	106.36	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	138.4	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	28.32	US EPA 200.8 Method

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

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TEST REPORT

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

Report No. : **HECSL/SD/13 /020923**
Report Date : **08/09/2023**

Sample Description : **SOIL**
Sample Mark : **Alagoor**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **01/09/2023 -02/09/2023**
Analysis Commenced On : **02/09/2023**
Completed On: **08/09/2023**

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		1.19	ASTM D421/422
3	Soil Texture i)Sand	%	24.21	ASTM D421/422
4	Soil Texture ii)Silt	%	37.57	ASTM D421/422
5	Soil Texture iii)Clay	%	38.22	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.57	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	µS/cm	231.2	IS:14767:2000
8	Cation exchange capacity	meq/100g	7.3	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	3.65	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	104.67	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	21.2	IS 10158:1982
12	Potassium	mg/kg	36.6	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	6.76	US EPA 200.8 Method
16	Iron	mg/kg	4.64	US EPA 200.8 Method
17	Manganese	mg/kg	118.31	US EPA 200.8 Method
18	Zinc	mg/kg	21.76	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	5.41	ASTM D6391-11
21	Bulk density	gm/cc	3.41	ASTM D6683-14
22	Moisture Content	%	12.45	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	24.12	IS 14765
24	Calcium as Ca	mg/kg	114.12	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	71.4	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	32.30	US EPA 200.8 Method

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

End of Report

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

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TEST REPORT

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

Report No. : **HECSL/N/005-007/020923**
Report Date : **08/09/2023**

Sample Description : **Noise Monitoring**
Sample Drawn By : **Hubert Enviro Care Systems (p) Ltd**
Sampling/received Date : **31/08/2023 -02/09/2023**

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	57.4	50.3
2	Kunnam	55.7	50.6
3	Alagoor	49.5	45.6
4	Thathanur	49.4	46.2
5	Vallakottai	57.6	51.8

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. D a y 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

HUBERT ENVIRO CARE SYSTEMS (P) LTD. Chennai 600 083

Authorized Signatory

SIVAPRAKASAM. M

Annexure 6

CHIEF ENGINEER (O&M-II)

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

SAVE WATER

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

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

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

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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)

ஒருக்கம்

பாளையம் - அம்பா மாவட்டம் - திருப்பெரும்புனர் வட்டம் - இருங்காட்டுக் கோட்டை கிராமம் - சிப்காட் தொழில் வளாகத்தில் அமைந்துள்ள தொழிற்சாலை வருக்கு- செம்பரம்பாக்கம் ஏரியிலிருந்து குடிநீர் மற்றும் நிலைகளுக்கு நீர்ப்பாசனம் போக எஞ்சிய நீரில் 5 மில்லியன் கன அடி நீர் - வழங்குதல் - தொடர்பு பெறுதல்.

பொருப்பு (ட்ரஸ்ட்)

அரசு கடிதம் (நிலை) எண் 134. நாள்: 31.3.1997

படிக்கவும்:

1. மேலாண்மை இயக்குநர், சிப்காட் நேர்முக கடிதம் எண். 1026/96 நாள். 2.9.1996.

2. தலைமைப்பொறியாளர், நீர்வள ஆதார அமைப்பு, சென்னை மண்டலம், திருவள்ளூர் குடிநீர் வழங்கல்திறை கடிதம் எண். டபிள்யு.1/5250/96, நாள். 24.12.1996.

...

பார்வை 1ல் கண்ட கடிதத்தில் சிப்காட், மேலாண்மை இயக்குநர் இருங்காட்டுக்கோட்டை சிப்காட் தொழில் வளாகத்திற்கு, அங்கு அமையவுள்ள உரத்தொழிற்சாலைக்கு தேவையான 1.1 மில்லியன் கன அடி குடிநீர் உட்பட மொத்தம் சுமார் 10 மில்லியன் கன அடி குடிநீர் தேவை என்று கேட்டுக் கொண்டுள்ளார்.

2. பார்வை 2ல் கண்ட கடிதத்தில் தலைமைப்பொறியாளர் நீர் வள ஆதார அமைப்பு சென்னை மண்டலம் மற்றும் திருவள்ளூர் குடிநீர் வழங்கல் திட்டம், கடந்த காலங்களில் செம்பரம்பாக்கம் ஏரியில் உள்ள நீர் நிலை ஒரே சீராக இருந்ததில்லை என்பதும், நீர்த் தொள்ளவு 1980ம் ஆண்டு 711 மில்லியன் கன அடியாகவும், 1992ம் ஆண்டு 485 மில்லியன் கன அடியாகவும் 1996ம் ஆண்டு 2401 மில்லியன் கன அடியாகவும் இருந்ததென்று குறிப்பிட்டுள்ளார். மேலும் பதிவு செய்யப்பட்டுள்ள 13,223 ஏக்கர் ஆயக்கட்டுகளில் தற்போது விவசாயம் செய்யப்பட்டு வரும் 9800 ஏக்கர் நிலங்களுக்கு நீர்பாசனம் செய்தால் வேண்டும் என்ற நிலை உள்ளதை என்றும் குறிப்பிட்டுள்ளார். மேலும் இத்தோடு சென்னை மாநகருக்கு குடிநீர் வசதியும் செம்பரம்பாக்கம் ஏரியிலிருந்து வழங்க வேண்டியிருப்பதால் நீர் இருப்பை கருத்தில் கொண்டு தான் நீர் வழங்க இயலும் என்று குறிப்பிட்டுள்ளார்.

3. தலைமைப்பொறியாளர் (சென்னை மண்டலம் மற்றும் திருவள்ளூர் குடிநீர் வழங்கல் திட்டம்) தன் கடிதத்தை கருத்திற்கொண்டு சிப்காட் தொழில் வளாகத்தினால் செலுத்தப்படும் நீர் இருப்பை ஏரியில் பராமரித்தல்.

செம்பரம்பாக்கம் ஏரியில் நீர் இருப்பிற்கேற்ப, பதிவு செய்யப்பட்ட ஆயக்கட்டு பகுதிகளுக்கான தேவையான தண்ணீர் மற்றும் சென்னை நகருக்கு குடிநீருக்குத் தேவையான குடிநீரை பூர்த்தி செய்த பின் செம்பரம்பாக்கம்

/தபபா/

பார்வைக்கு அனுப்பப்படுகிறது.

AEE.

Pl. send a copy of this to SIPCOT. CM (Th. Pondy) for information.

ஏறியிருந்து நாள் ஒன்றுக்கு 5 மில்லியன் லிட்டர் குடிநீர் வழங்குவதற்கு மட்டுமே உதவியிருக்கிறது. மேற்கண்ட பணிகளை நிறைவேற்றும், திட்டம் தொழில் வளாகத்தில் பொதுப்பணித்துறையால் புதிய நிபந்தனைகளுக்கு உட்பட்டு ஒப்பந்தத்தில் கையொப்பமிட்ட பின்பே நீர் வழங்க வேண்டும் என்ற தலைமைப்பொறியாளர், சென்னை மண்டலம், மற்றும் சிறுசுத்தா குடிநீர் வழங்கல் திட்டம் அறிவுறுத்தப்படுகிறார்.

(குடிநீர் தனிப்பக)

எஸ்.பி. குப்தா,
அரசுச் செயலர்.

பெறுநர்:

தலைமைப்பொறியாளர்,
நீர்வள ஆதார அமைப்பு, சென்னை.5.

தலைமைப்பொறியாளர்,
நீர்வள ஆதார அமைப்பு,
சென்னை மண்டலம் மற்றும் சிறுசுத்தா குடிநீர்
மற்றும் வழங்கல் திட்டம்,
மேலாண்மை இயக்குநர்,
தமிழ்நாடு தொழில் வளர்ச்சி கழகம்,
19 ஏ, ருக்மணி லட்சுமிபதி ரோடு,
எழும்பூர், சென்னை.8.
மாவட்ட ஆட்சியர், அனைத்து மாவட்டம்.

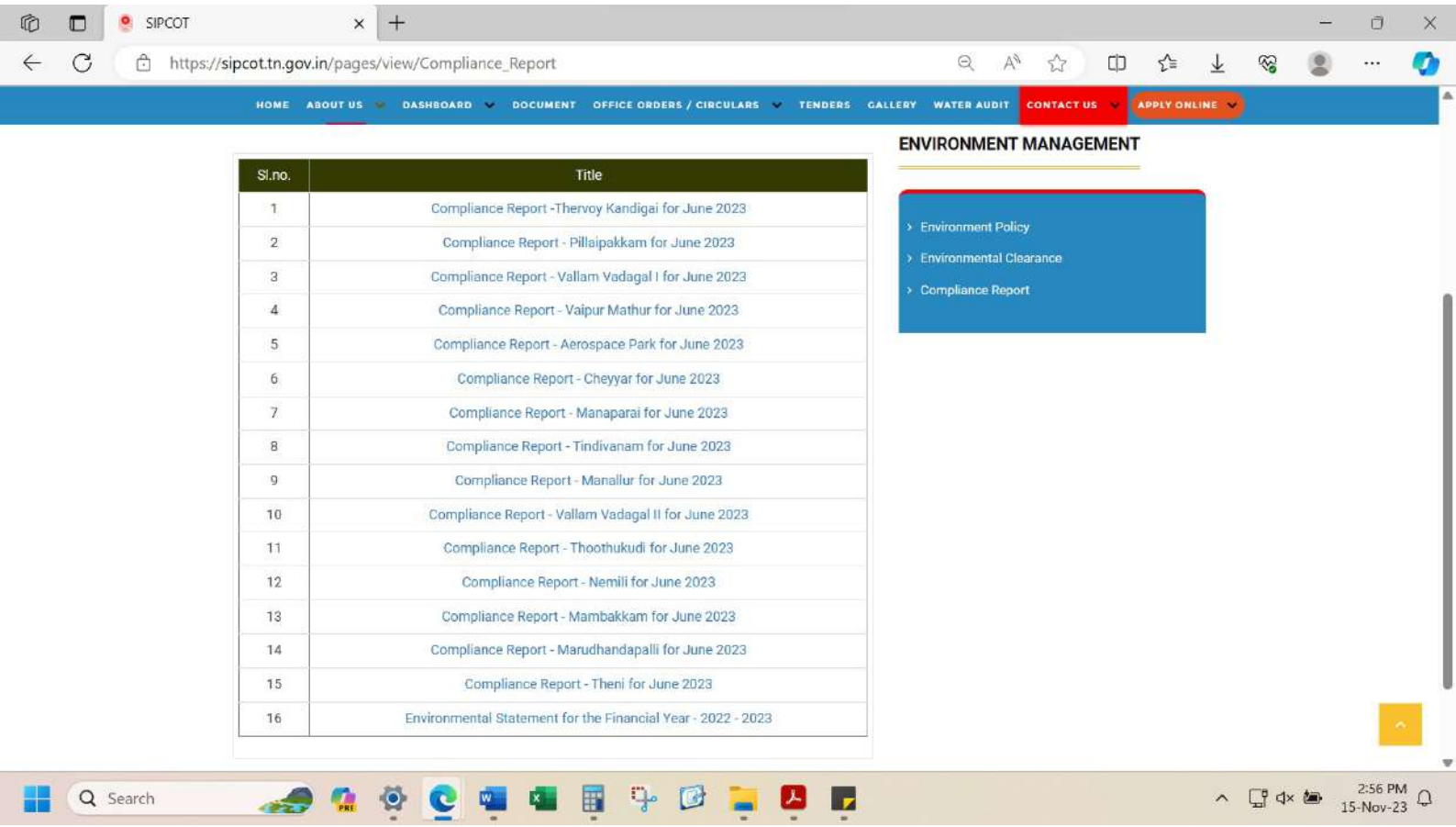
நகல்:

தொழில்துறை செயலர், சென்னை.5
நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை,
சென்னை.5.

/அனைப்பக/அனுப்பப்படுகிறது/

ம.ஆ.ஆ.
பிரிவு அலுவலர் 3.4.97

Annexure - 7



Sl.no.	Title
1	Compliance Report -Thervoy Kandigai for June 2023
2	Compliance Report - Pillaipakkam for June 2023
3	Compliance Report - Vallam Vadagal I for June 2023
4	Compliance Report - Vaipur Mathur for June 2023
5	Compliance Report - Aerospace Park for June 2023
6	Compliance Report - Cheyyar for June 2023
7	Compliance Report - Manaparai for June 2023
8	Compliance Report - Tindivanam for June 2023
9	Compliance Report - Manallur for June 2023
10	Compliance Report - Vallam Vadagal II for June 2023
11	Compliance Report - Thoothukudi for June 2023
12	Compliance Report - Nemili for June 2023
13	Compliance Report - Mambakkam for June 2023
14	Compliance Report - Marudhandapalli for June 2023
15	Compliance Report - Theni for June 2023
16	Environmental Statement for the Financial Year - 2022 - 2023

Annexure - 8

SIPCOT

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

Date: 25.09.2023

/RPAD/

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

Sir,

Sub: SIPCOT Aerospace Park – Environmental Statement for the Financial Year ending 31st March 2023 - 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 2023.

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

ASSISTANT GENERAL MANAGER (P-III)

SIPCOT DESPATCHED
27 SEP 2023
S.L. No. 39 Signature

State Industries Promotion Corporation of Tamil Nadu Limited
(A Government of Tamil Nadu Undertaking)
CIN : U74999TN1971SGC005967
Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.
Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in

SIPCOT – AEROSPACE MONITORING PHOTOS

AMBIENT AIR QUALITY MONITORING PHOTOS:

Project site

Kunnam

Thathanoor

Alagoor

Vallakottai

Ground water sampling photos

Near Project area

Kunnam

Vallakottai

Surface water sampling photograph

Vallakottai Pond

Vallam Pond

Soil sampling photograph

Project area

Valakottai

	
Alagoor	**Thathanoor**

Kunnam

Noise monitoring photograph

	
Project area	**Vallakottai**
	
Thathanoor	**Alagoor**


நீர்வள நிலவளத் திட்டம்-பகுதி II
ஒற்றைச் சாளர தகவல் மையம்
(SINGLE WINDOW INFORMATION KNOWLEDGE CENTRE)
குண்ணம் கிராமம்
31/08/2023

Kunnam

Green Belt Photograph