

No. M-17057/25/O/o-Director/DSTE/523
GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE
3rd Floor, I-Housing Board Complex, Anna Nagar, Puducherry - 5.
Telephone: (0413) 2201256; Telefax: (0413) 2203494

Puducherry, the = 1 JUN 2026

To

Shri. Anup Kumar Srivastava
Executive Director (Tech)
National Mission for Clean Ganga
Ministry of Jai Shakti,
1st Floor, Major Dhyan Chand National Stadium,
India Gate, New Delhi — 110 002.

Sir,

Sub: DSTE/PPCC-Submission of Progress Report on Restoration of Polluted River Stretches-Reg.

Ref: Letter received from MoJS, GoI vide no. Legal/OA No. 673/2018/NMCG/2019 date 08.10.2020.

With reference to the above mentioned subject, Progress Report for the month of April, 2026 is enclosed for kind perusal.

Yours sincerely,



(Dr. N. Ramesh)
Member Secretary
PPCC

Encl: as stated above

Copy to:

1. The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, C.B.D. Cum-Office Complex,
East Arjun Nagar, Delhi — 110 032.

2. Standing Guard File

**Submission of Monthly Progress Report – March in the NGT Matter
OA No.673 of 2018 (in compliance to NGT order dated 24.09.2020)**

For the State of Puducherry

I. Estimated Sewage Generation(MLD) : 71 MLD (URBAN)

(657600 x 135 LPCD X 80%) = 71.02 MLD Say 71 MLD

Overall status of the State (2011)

1. Total UT of Puducherry Population: 1247953
2. Puducherry District Population : 950289
3. Puducherry Urban Population : 657600 (950289x69.20%)
4. Puducherry Rural Population : 292689 (950289x30.80%)

II. Details of Sewage Treatment Plants: Puducherry District

1.	Existing no. of STPs and Treatment Capacity (in MLD) Net Treatment capacity of STP's	4 Nos. of SBR – 66 MLD 2 Nos. of UASB – 5 MLD Total – 71 MLD 15 MLD capacity STP at Dubrayapet has been commissioned on 01.03.2026.
2.	Capacity Utilization of existing STPs: (17+16.80+17+13.81) = 63.81 MLD 63.81 / 71 = 89.87%	63.81 MLD (89.87%)
3.	MLD of sewage being treated through Alternate technology:	---
4.	Gap in Treatment Capacity in MLD:	---
5.	No. of Operational STPs:	6 Nos.
6.	No. of Complying STPs	4 Nos.

Details of each existing STPs in the State

Details of each existing STP in the State

Sl. No	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Puducherry	71MLD	89.87%	6	4
2	Karaikal	-	-	-	-
3	Mahe	-	-	-	-
4	Yanam	-	-	-	-

Details of STPs under construction in the State

Sl. No	Location	STP Capacity of plant	Physical progress in %	Status of I & D or HSC	Probable Date of Completion
1	Puducherry	15 MLD	99%	90%	Commissioned
2	Karaikal	11 MLD	96% of work completed, Remaining works under progress	-	31.05.2026

Details of proposed STPs in the State

Sl. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/under Tendering/Work to be Awarded)	Likely Date of Completion
1.	Puducherry	3 MLD (Abating river pollution at Sankarabarani River)	Work order issued on 30.12.2025 for 3 MLD STP using SBR Technology with FSTP at Kanuvapet. Work commissioned on 02.03.2026.	March, 2027
2.	Mahe	Administrative Approval accorded vide G.O.Ms.No.18/LAS/A1/2024 dt.23.09.2024 for an amount of Rs.5,15,88,990/- the Expenditure Sanction also obtained vide order No. P/64/2024/LAS/A1/2025 dt.28.07.2025 Tender approved vide No.1795/PW/CE/EE(P)III/F. 1001-Mahe(23-24) vol-VI/2025-26 dt. 01.08.2025 and Work Commencement Order issue on 22.08.2025. As there is a dispute in the Original site, an alternant site is being identified and work will be commenced shortly.		Sept, 2026
5.	Yanam	After the receipt of administrative approval and expenditure sanction from Government vide G.O.Rt.No.32, dated 31.10.2025, the lowest negotiated tender of M/s. Eco Protection Engineers Private Limited, Chennai is accepted for Rs.34,76,16,200/- @ 9.925% above (+) vide letter No. 3300, dated 13.11.2025 after obtaining approval of work board. Work Order issued on 30.12.2025. Work commenced. While executing the work, the Tahsildar of Tallareuvu taluk has made objections and claiming that the said site belongs to Government of Andhra Pradesh. Hence, seeking the Joint Survey by both Governments i.e., Government of Andhra Pradesh and UT of Puducherry to finalize the ownership of the said site.		Oct, 2026

III. Details of Industrial Pollution:

1.	No. of industries in the State:	3595
2.	No. of Effluent generating industries in the State:	115
3.	Quantity of effluent generated from the industries in MLD:	4.75 MLD
4.	Quantity of Hazardous Sludge generated from the Industries in TPA:	4828.8 kg/day
5.	Number of industrial units having ETPs:	115
6.	Number of industrial units connected to CETP:	Nil
7.	Number and total capacity of ETPs (details of existing/ under construction/ proposed)	Existing-115 Capacity-4.75 MLD
8.	Compliance status of the ETPs:	Monitored three industries. One industry does not meet the

		a. Leachate Collection Tank b. ETP & STP c. Biogas Compressed CBG and Fertilizer Unit d. Incinerator e. Compost Sieving machine 2. Mahe is practicing in-situ wet waste management and the current concessionaire is taking care of dry waste separately.																																
4.	No. and capacity of C&D waste processing Plants in TPD (existing, proposed and under construction)	Tender has been floated for setting up Integrated Municipal Solid Waste Management – the scope is inclusive of Collection, Transportation, Processing and Disposal of C&D waste for Pondicherry and Oulgaret Municipalities. The work order has been issued for Karaikal and Yanam municipalities. Puducherry and Karaikal communes also included under C&D waste management.																																
5.	Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source.	<table><tr><th>ULB</th><th>Number of Wards</th><th>Door to Door collection (DTDC)</th><th>Ground Status on Source Segregation</th></tr><tr><td>PM</td><td>42</td><td>100%</td><td>Nil</td></tr><tr><td>OM</td><td>37</td><td>100%</td><td>Nil</td></tr><tr><td>KM</td><td>18</td><td>100%</td><td>100%</td></tr><tr><td>YM</td><td>14</td><td>100%</td><td>Nil</td></tr><tr><td>MM</td><td>15</td><td>100%</td><td>100%</td></tr></table>	ULB	Number of Wards	Door to Door collection (DTDC)	Ground Status on Source Segregation	PM	42	100%	Nil	OM	37	100%	Nil	KM	18	100%	100%	YM	14	100%	Nil	MM	15	100%	100%								
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YM	14	100%	Nil																															
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6.	Details of MSW treatment facilities proposed and under construction (no. capacity and technology)	<table><tr><th>ULB</th><th>MSW treatment facilities proposed</th><th>Capacity</th><th>Status</th></tr><tr><td>PM</td><td rowspan="2">Integrated SWM</td><td rowspan="2">450 TPD</td><td rowspan="2">M/s. Green Warrior has established and commenced processing with effect from 01.02.2024.</td></tr><tr><td>OM</td></tr><tr><td>KM</td><td>Integrated SWM (Bio-methanation, BSF and Windrows composting)</td><td>97 TPD</td><td>M/s. HR Square has established and commenced processing with effect from 01.02.2023.</td></tr><tr><td>YM</td><td>Integrated SWM Windrows composting)</td><td>20 TPD</td><td>M/s. HR Square has established and commenced processing with effect from 20.01.2024.</td></tr><tr><td>MM</td><td colspan="3">In-house composting is being practiced. There is no requirement of processing plant.</td></tr><tr><td>Pdy CP's</td><td>Integrated Municipal Solid Waste Processing Project at Puducherry commune panchayat</td><td>150 TPD</td><td>M/s. HR Square has established and commenced processing with effect from 01.02.2024.</td></tr><tr><td>Kkl CP's</td><td>Integrated Municipal Solid Waste Processing Project at Puducherry commune panchayat</td><td>80 TPD</td><td>M/s. HR Square has established and commenced processing with effect from 01.02.2023.</td></tr></table>	ULB	MSW treatment facilities proposed	Capacity	Status	PM	Integrated SWM	450 TPD	M/s. Green Warrior has established and commenced processing with effect from 01.02.2024.	OM	KM	Integrated SWM (Bio-methanation, BSF and Windrows composting)	97 TPD	M/s. HR Square has established and commenced processing with effect from 01.02.2023.	YM	Integrated SWM Windrows composting)	20 TPD	M/s. HR Square has established and commenced processing with effect from 20.01.2024.	MM	In-house composting is being practiced. There is no requirement of processing plant.			Pdy CP's	Integrated Municipal Solid Waste Processing Project at Puducherry commune panchayat	150 TPD	M/s. HR Square has established and commenced processing with effect from 01.02.2024.	Kkl CP's	Integrated Municipal Solid Waste Processing Project at Puducherry commune panchayat	80 TPD	M/s. HR Square has established and commenced processing with effect from 01.02.2023.			
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7.	No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Nil
8.	No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers.	Nil

Status of Legacy Waste Management: Accumulated Legacy waste has been Bio-mined.

Sl. No.	Region	Accumulated Quantity in MT	Bio mined in MT	Balance in MT	Timeline for completion
1	Puducherry	(Phase – I) 5.53 lakh tons (Phase – II) 3,48,989 MT commenced on 13.10.2023	5.53 lakh tons 3,48,989	Nil Nil	Completed on 30 th April, 2023 Completed on 15.08.2024
2	Karaikal	85350 commenced on 01.06.2023	85350	Nil	Completed on 31 st May 2024
3	Yanam	21600	21600	Nil	Completed during Feb, 2025

No legacy waste in Mahe Municipality is reported.

VI. Bio-medical Waste Management:

1	Total Bio-medical generation:	4897 kg/day
2	No. of Hospitals and Health Care Facilities:	469
3	Status of Treatment Facility/CBMWTF:	One Common Bio-Medical Waste Treatment Facility functional.

VII. Hazardous Waste Management:

1	Total Hazardous Waste generation:	24042 TPA
2	No. of Industries generating Hazardous waste	155 industry obtained authorisation
3	Treatment Capacity of all TSDFs	-
4	Avg. Quantity of Hazardous waste reaching the TSDF and Treated.	TSDF: Land fillable Waste reached – 0 MT
5	Detail so for-going or proposed TSDF	Currently, the TSDF located in neighboring states is being shared. However, M/s. Re Sustainability IWM Solutions Limited had obtained EC for setting up of landfill at Polagam, Karaikal. And the unit has also applied for issue of Consent to Establish which is under examination.

VIII. Plastic Waste Management:

1	Total Plastic Waste generation:	62276 TPA
2	Treatment/Measures adopted for reduction or management of plastic waste:	Government of Puducherry has imposed total ban on single use plastics with effect from 02/08/2019. As per the Government of India Notification Addendum has been notified by the Government of Puducherry for imposing additional SUP items like (i) Ear buds with plastic sticks, plastic sticks for balloons, candy sticks and ice cream sticks; (ii) Polystyrene [Thermocol] for decoration; (iii) Plates, cups, glasses, cutlery such as forks, spoons, knives, trays, stirrers, wrapping or packing films around sweet boxes, invitation cards and cigarette packets (iv) Plastics or PVC banners less than 100 micron; (v) Non-woven plastic carry bags less than 60 Gram per Square Meter (GSM). Standard Operating Procedure (SOP) for making SUP free Government office has been prepared and circulated to all the Government Departments and Industries. Surprise inspections are being carried out. As per the direction of MoEF & CC, GOI, “Action Plan on Elimination of Single Use Plastic (SUP)” in the Union Territory of Puducherry has been prepared with the approval of Special Task Force (STF). One seminar was conducted to the Hotel, Restaurant and Marriage hall Association about Ill effects of Single Use Plastic (SUP) and usage of alternate products on 03.05.2025. A rally was conducted on 03.05.2025, on WED 2025 theme “Ending Plastics Pollution Globally”. Cleaning drive was conducted on 03.05.2025, at Indira Gandhi Stadium by the players and volunteers and segregated the SUP items by M/s Recity, Puducherry. Two units were closed on 25.02.2025 for violation of G.O.Ms.No.18/Envt/2019, dated 02.08.2019. Implementation of Single Use Plastic (SUP) as per the notification of MoEF&CC, GOI is being strictly implemented by Local bodies and monitored by PPCC. For Setting up Material Recovery Facility (MRF) for 20 TPD Recyclable Plastic waste from Pondicherry and Oulgaret Municipality, MoU is under process.

		99 drives were conducted and 28 kgs of SUP items have been seized and Rs.13100/-has been imposed as penalty. A Workshop for Plastic Waste Processer (PWPs) was conducted on 19.12.2025, to discuss about the Registration of the PWPs and Auditing of Reprocessing unit. A meeting regarding Expert Consultation on Rapid & Reliable methods for identification of Compostable Plastics was held on 22.01.2026
IX	Details of Alternate Treatment Technology being adopted by the State/UT	Nil
X	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:	All the drains that reaches the Sankaraparani and Arasalar rivers were identified and in-situ remediation of providing grill grating, sandbar screen are completed in all the 172 drains.
XI	Details of Nodal Officer appointed by Chief Secretary in the State/UT:	The Development Commissioner-cum- Senior Nodal Officer, Government of Puducherry
XII	Details of meetings carried under the Chairmanship of Chief Secretary in the State/UT:	A Review meeting on Compliance of Hon'ble NGT order dated 22.09.2025, in the matter of O.A. No.606/2018, was held on 27.03.2026 under the Chairmanship of the Secretary (Env't.) Puducherry.
XIII	Latest water quality of polluted river, distributaries, drains with flow details and ground water quality in the catchment of polluted river	Common STP Water Quality Data, Chunnambar and Arasalar River water quality data are given in Annexure-I.
XIV	Ground water regulation:	Pondicherry Ground Water Authority had closed 6 Nos. of tube wells in Puducherry region and 2 Nos. of tube wells in Karaikal Region during the past 5years due to illegal extraction of ground water.
XV	Good irrigation practices being adopted by the State:	Annexure- II
XVI	Rain Water Harvesting:	The planning authorities while issuing occupancy certificate ascertain that the conditions stipulated in the building permits regarding rain water harvesting measures have been complied with. The Puducherry Ground Water Authority does not issues fresh permits/renews permits to any industries/ institutions unless Rain Water Harvesting System is installed in their respective buildings. 886 Rain Water Harvesting structure are constructed in the U.T of Puducherry by Department of Agriculture, Ground Water Authority and PWD.

XVII	Demarcation of Flood plain and removal of illegal encroachments:	The illegal encroachments in Karaikal region for the demarcation of Flood plain has been cleared by the department. The expert team from the Central Water Commission, New Delhi has also inspected these sites on 02.02.2023 for conducting Survey for Water Management of Sustainable development. The report is yet to be received from the Central Water Commission, New Delhi. Once the report and recommendations are received, necessary DPR will be prepared and Submitted.
XVIII	Maintaining minimum e-flow of river:	Illegal sand mining affect e-flow in the rivers. Hence, orders u/s 144 of CrPc were issued on 1 st April, 2019 prohibiting lorries, vans, two wheelers, bullock carts and any similar sand carrying vehicles. Check dams were constructed to regulate the flow.
XIX	Plantation activities along the rivers:	For the development of green belt along Chunnambar, Forest Department has planted 4000 trees.
XX	Development of bio-diversity park:	It was proposed to develop Bio-Diversity Park in the existing Mangrove areas of Karaikal Beach. The Mangrove area to an extent of 11-09-30 Hectares belongs to Government and remaining 10-39-00 Hectares belongs to Private Owners. Hence the proposal of providing chain link fencing was dropped. Further a Court case was pending with the Hon'ble High Court of Madras. Hence the development work such as Chain link fencing, Construction of walkway and watch tower in the Mangrove area considering the ecological balance is deferred. Once the case is cleared the work will be initiated.
XXI	Reuse of Treated Water:	Annexure-III
XXII	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	Chunnambar River - Sankarabarani
XXIII	Status of Preparation of Action Plan by the 13 Coastal States:	Coastal Action Plan has been prepared by NCCR.
XXIV	Regulation of Mining Activities in the State/UT:	Illegal sand mining affect e-flow in the rivers. Hence, orders u/s 144 of CrPc were issued on 1 st April, 2019 prohibiting lorries, vans, two wheelers, bullock carts and any similar sand carrying vehicles. Check dams were constructed to regulate the flow.
XXV	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring.	-

Hubert Enviro Care Systems LimitedA-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

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TC-17475

Laboratory Services Division(Chemical & Biological Testing)
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ISO 9001, 14001 & 45001 Certified.**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Eco Chem Sales and Services.,

Address of the Client : Public Health Division, PWD GOVT of Puducherry.

Group : Pollution & Environment
 Sample Name : Waste Water
 Sample Mark : STP Outlet Kanaguneri 17MLD
 Sample Reference : NA
 Sample Drawn By : M/s.Hubert Enviro care Systems Limited.
 Sample Location : NA
 Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0
 Sampling Method & Plan : IS 17614 (Part -10) : 2021

ULR : TC1747526000018031F

Report No. : HECS/PE/002/020526

Sample ID No : 020526012

Sampling Date : 30/04/2026

Received Date : 02/05/2026

Commenced Date : 02/05/2026

Completed On : 07/05/2026

Report Date : 07/05/2026

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Chemical					
1	Bio-Chemical Oxygen Demand(BOD) 3 days @27 ° C	mg/l	8.0	IS 3025 Part 44: 2023	10
2	Chemical Oxygen Demand (COD)	mg/l	48.0	IS 3025 Part 58: 2023	50
3	pH value @ 25 ° C	-	7.67	IS 3025 (Part 11) Clause 2 : 2022	5.5-9.0
4	Total Phosphorous	mg/l	0.92	IS 3025 Part 31 Sec 1: 2022	1
5	Total Nitrogen as N	mg/l	7.26	HECS-G/ENV/WW/SOP/004 Issue No.:01 Issue Date:02.07.2020	10
6	Total suspended solids @ 105° C	mg/l	16.0	IS 3025 Part 17 : 2023	20

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

Remarks: ETP Outlet as above parameters does not meets PPCC Standards.

End of Report



G.Saravanan
 Senior Chemist
 Authorized Signatory

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

HECS-G/Q/FMT/049

Hubert Enviro Care Systems Limited

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Eco Chem Sales and Services.,
Address of the Client : Public Health Division, PWD GOVT of Puducherry.

ULR : TC1747526000017584F
Report No. : HECS/PE/010/020526
Sample ID No : 020526020
Sampling Date : 30/04/2026

Group : Pollution & Environment
Sample Name : Effluents & Waste
Sample Mark : STP Outlet Kanaguneri 17MLD
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems Limited.
Sample Location : NA
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0
Sampling Method & Plan : APHA 24th Edition Part 9260

Received Date : 02/05/2026
Commenced Date : 02/05/2026
Completed On : 05/05/2026
Report Date : 05/05/2026
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Biological					
1	Faecal Coliform	MPN/100ml	94	APHA 24th Edition Chapter 9221 : 2023	100 (Desirable) 230 (Permissible)

Note:- MPN-Most Probable Number.

Remarks: STP Outlet as above parameters meets PPCC Standards.

End of Report



Caroline.J

Caroline.J
Technical Manager - Microbiology
Authorized Signatory

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HECS-G/Q/FMT/049

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**TEST REPORT**

Page : 1 of 1

ULR : TC1747526000018033F

Report No. : HECS/PE/004/020526

Sample ID No : 020526014

Sampling Date : 30/04/2026

Name of the Client : M/s. Eco Chem Sales and Services.,

Address of the Client : Public Health Division, PWD GOVT of Puducherry.

Group : Pollution & Environment

Sample Name : Waste Water

Sample Mark : STP Outlet Dubraypet 17MLD

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems Limited.

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614 (Part -10) : 2021

Received Date : 02/05/2026

Commenced Date : 02/05/2026

Completed On : 07/05/2026

Report Date : 07/05/2026

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Chemical					
1	Bio-Chemical Oxygen Demand(BOD) 3 days @27 ° C	mg/l	6.0	IS 3025 Part 44: 2023	10
2	Chemical Oxygen Demand (COD)	mg/l	32.0	IS 3025 Part 58: 2023	50
3	pH value @ 25 ° C	-	7.06	IS 3025 (Part 11) Clause 2 : 2022	5.5-9.0
4	Total Phosphorous	mg/l	BLQ (LOQ 0.5)	IS 3025 Part 31 Sec 1: 2022	1
5	Total Nitrogen as N	mg/l	2.84	HECS-G/ENV/WW/SOP/004 Issue No.:01 Issue Date:02.07.2020	10
6	Total suspended solids @ 105° C	mg/l	16.0	IS 3025 Part 17 : 2023	20

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

Remarks: ETP Outlet as above parameters meets PPCC Standards.

End of Report



G.Saravanan
Senior Chemist
Authorized Signatory

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HECS-G/Q/FMT/049

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**TEST REPORT**

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Address of the Client : Public Health Division, PWD GOVT of Puducherry.

Group : Pollution & Environment

Sample Name : Effluents & Waste

Sample Mark : STP Outlet Dubraypet 17MLD

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems Limited.

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0

Sampling Method & Plan : APHA 24th Edition Part 9260

ULR : TC1747526000017586F

Report No. : HECS/PE/012/020526

Sample ID No : 020526022

Sampling Date : 30/04/2026

Received Date : 02/05/2026

Commenced Date : 02/05/2026

Completed On : 05/05/2026

Report Date : 05/05/2026

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Biological					
1	Faecal Coliform	MPN/100ml	63	APHA 24th Edition Chapter 9221 : 2023	100 (Desirable) 230 (Permissible)

Note:- MPN-Most Probable Number.

Remarks: STP Outlet as above parameters meets PPCC Standards.

End of Report



Caroline.J
Technical Manager - Microbiology
Authorized Signatory

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HECS-G/Q/FMT/049

Hubert Enviro Care Systems Limited

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

**Laboratory Services Division**

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

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. The Executive Engineer.,
Address of the Client : Public Health Division, PWD GOVT of Puducherry.
Group : Pollution & Environment
Sample Name : Waste Water
Sample Mark : STP Outlet Dubraypet 15MLD
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems Limited.
Sample Location : NA
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0
Sampling Method & Plan : IS 17614 (Part -10) : 2021

ULR : TC1747526000018035F
Report No. : HECS/PE/006/020526
Sample ID No : 020526016
Sampling Date : 30/04/2026
Received Date : 02/05/2026
Commenced Date : 02/05/2026
Completed On : 07/05/2026
Report Date : 07/05/2026
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Chemical					
1	Bio-Chemical Oxygen Demand(BOD) 3 days @27 ° C	mg/l	8.0	IS 3025 Part 44: 2023	10
2	Chemical Oxygen Demand (COD)	mg/l	44.0	IS 3025 Part 58: 2023	50
3	pH value @ 25 ° C	-	7.21	IS 3025 (Part 11) Clause 2 : 2022	5.5-9.0
4	Total Phosphorous	mg/l	0.438	IS 3025 Part 31 Sec 1: 2022	1
5	Total Nitrogen as N	mg/l	8.16	HECS-G/ENV/WW/SOP/004 Issue No.:01 Issue Date:02.07.2020	10
6	Total suspended solids @ 105° C	mg/l	10.0	IS 3025 Part 17 : 2023	20

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

Remarks: ETP Outlet as above parameters meets PPCC Standards.

End of Report



G. Saravanan
Senior Chemist
Authorized Signatory

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. The Executive Engineer.,
Address of the Client : Public Health Division, PWD GOVT of Puducherry.
Group : Pollution & Environment
Sample Name : Effluents & Waste
Sample Mark : STP Outlet Dubraypet 15MLD
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems Limited.
Sample Location : NA
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0
Sampling Method & Plan : APHA 24th Edition Part 9260

ULR : TC1747526000017588F
Report No. : HECS/PE/014/020526
Sample ID No : 020526024
Sampling Date : 30/04/2026
Received Date : 02/05/2026
Commenced Date : 02/05/2026
Completed On : 05/05/2026
Report Date : 05/05/2026
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Biological					
1	Faecal Coliform	MPN/100ml	94	APHA 24th Edition Chapter 9221 : 2023	100 (Desirable) 230 (Permissible)

Note:- MPN-Most Probable Number.

Remarks: STP Outlet as above parameters meets PPCC Standards.

End of Report



Caroline.J
Technical Manager - Microbiology
Authorized Signatory

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Eco Chem Sales and Services.,
Address of the Client : Public Health Division, PWD GOVT of Puducherry.
Group : Pollution & Environment
Sample Name : Waste Water
Sample Mark : STP Outlet Lawspet 17MLD
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems Limited.
Sample Location : NA
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0
Sampling Method & Plan : IS 17614 (Part -10) : 2021
ULR : TC174752600018037F
Report No. : HECS/PE/008/020526
Sample ID No : 020526018
Sampling Date : 30/04/2026
Received Date : 02/05/2026
Commenced Date : 02/05/2026
Completed On : 07/05/2026
Report Date : 07/05/2026
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Chemical					
1	Bio-Chemical Oxygen Demand(BOD) 3 days @27 ° C	mg/l	8.0	IS 3025 Part 44: 2023	10
2	Chemical Oxygen Demand (COD)	mg/l	40.0	IS 3025 Part 58: 2023	50
3	pH value @ 25 ° C	-	7.0	IS 3025 (Part 11) Clause 2 : 2022	5.5-9.0
4	Total Phosphorous	mg/l	BLQ (LOQ 0.5)	IS 3025 Part 31 Sec 1: 2022	1
5	Total Nitrogen as N	mg/l	8.62	HECS-G/ENV/WW/SOP/004 Issue No.:01 Issue Date:02.07.2020	10
6	Total suspended solids @ 105° C	mg/l	18.0	IS 3025 Part 17 : 2023	20

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

Remarks: ETP Outlet as above parameters meets PPCC Standards.

End of Report



G. Saravanan
Senior Chemist
Authorized Signatory

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Eco Chem Sales and Services.,
Address of the Client : Public Health Division, PWD GOVT of Puducherry.
Group : Pollution & Environment
Sample Name : Effluents & Waste
Sample Mark : STP Outlet Lawspet 17MLD
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems Limited.
Sample Location : NA
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 51.0
Sampling Method & Plan : APHA 24th Edition Part 9260

ULR : TC1747526000017590F
Report No. : HECS/PE/016/020526
Sample ID No : 020526026
Sampling Date : 30/04/2026
Received Date : 02/05/2026
Commenced Date : 02/05/2026
Completed On : 05/05/2026
Report Date : 05/05/2026
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	NGT Effluent Discharge Limit For STP's (MAX)
Discipline : Biological					
1	Faecal Coliform	MPN/100ml	84	APHA 24th Edition Chapter 9221 : 2023	100 (Desirable) 230 (Permissible)

Note:- MPN-Most Probable Number.

Remarks: STP Outlet as above parameters meets PPCC Standards.

End of Report



Caroline.J
Technical Manager - Microbiology
Authorized Signatory

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HECS-G/Q/FMT/049

Chunnambar River Water Quality Data - 2026			
Sl. No.	Parameters	April	Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B (Water Used for Organised Outdoor Bathing) as per Environment (Protection) Rules, 1986
1	Date of sampling	01.04.2026	--
2	Time	02.00 PM	--
3	Temp°C	32.0	--
4	pH	8.55	6.5-8.5
5	DO (mg/l)	9.1	5 or more
6	BOD (mg/l)	5.0	3 or less
7	Total Coliform MPN/100 ml	350	--
8	Faecal Coliform MPN/100ml	84	500 (Desirable) and 2500 (Max. Permissible)
9	Faecal Streptococci MPN/100ml	140	100 (Desirable) and 500 (Max. Permissible)

Arasalar River Water Quality Data - 2026			
Sl. No.	Parameters	April	Standard limit as per the Primary Water Quality Criteria for bathing water - Class of Water B (Water Used for Organised Outdoor Bathing) as per Environment (Protection) Rules, 1986
1	Date of sampling	01.04.2026	--
2	Time	06.45 A.M	--
3	Temp°C	29.5	--
4	pH	7.72	6.5-8.5
5	DO (mg/l)	5.0	5 or more
6	BOD (mg/l)	1.3	3 or less
7	Total Coliform MPN/100 ml	430	--
8	Faecal Coliform MPN/100ml	79	500 (Desirable) and 2500 (Max. Permissible)
9	Faecal Streptococci MPN/100ml	150	100 (Desirable) and 500 (Max. Permissible)

MPN- Most Probable Number

ADOPTION OF GOOD IRRIGATION PRACTICE

1. It is proposed to cover more area under precision farming.
2. System of Rice Intensification (SRI) is popularized among the farming community as a water saving measure.
3. Sustainable Sugarcane Initiative (SSI) for reducing water consumption in sugarcane crops is also being popularized.
4. Attractive subsidy assistance is being extended to farmers for installation of Drip/Sprinkler irrigation devices.
5. Attractive subsidy assistance is being extended to farmers for laying underground pipelines for conveyance of irrigation water.

ANNEXURE-III**Reuse of Treated Water**

Station	Purpose	Quantity
Lawspet STP	Fodder Grass raising	6.0 MLD
	Coconut Plantation	
	Silk cotton trees	
	Natural recharging through impounding reservoir and letting out through Karuvadikuppam drain simultaneously.	9.0 MLD
Dubrayapet STP	To Pondy Marina Hotel	0.3 MLD
Kanaganeri STP	--	--
	Total	15.30 MLD