No. M-17057/25/NGT/MPR/SCI/2025/ 76
GOVERNMENT OF PUDUCIHERRY
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 11 FEB 2025

To
Shri. Anup Kumar Srivastava
Executive Director (Tech)
National Mission for Clean Ganga
Ministry of Jai Shakti,
Ist 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 December, 2024 is enclosed for kind perusal.

Yours sincerely,

01/02/25.

(YASAM LAKSHMI NARAYANA REDDY)
DIRECTOR
(DSTE)

Enc1: 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

Format for submission of Monthly Progress Report in the NGT Matter OA No.673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Puducherry

I. Overall status of the State (2011)

Total UT of Puducherry Population : 1247953

Puducherry District Population : 950289

Puducherry Urban Population : 657600 (950289x69.20%)

Puducherry Rural Population : 292689 (950289x30.80%)

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

III. **Details of Sewage Treatment Plants**: Puducherry District

1.	Existing no. of STPs and Treatment Capacity (in MLD) Net Treatment capacity of STP's	3 Nos. of SBR – 51 MLD 2 Nos. of UASB – 5 MLD Total - 56 MLD
2.	Capacity Utilization of existing STPs: (17.80 + 17.79 + 18.29) = 53.88 MLD 53.88 / 56 = 96.21%	53.88 MLD (96.21%)
3.	MLD of sewage being treated through Alternate technology: (71-56=15 MLD)	15 MLD (on site sanitation like septic tank and soak pit etc.)
4.	Gap in Treatment Capacity in MLD: (71-56 =15MLD)	Construction of 15 MLD STP in Puducherry was commenced on 27.07.2023. Finishing work for 3 blocks are in progress and Roof slab laid for Administrative block. The foundation work completed for 15 units out of 16 units, i.e is SBR unit pile work completed for 1st tank and the piling work is nearing completion for 2nd tank. Procurement of electromechanical work and further work are in progress.
5.	No. of Operational STPs:	5 Nos.
6.	No. of Complying STPs	Three STPs of 17 MLD capacity meets the standards of pH, Total Suspended Solids, BOD, COD, Fecal Coliform, Total Nitrogen and Total Phosphorus as prescribed by the Central Pollution Control Board in Hon'ble NGT order in O.A. No. 1069 /2018 dated 30.04.2019.

Details of existing STPs in the State

Sl. No.	Location	Existing STP Capacity	Capacity being Utilized	Operational Status of STP	Compliance Status of STP
1	Puducherry	56 MLD	96.21 %	5	3

Details of under construction STPs in the State

Sl. No.	Location	Capacity of the plant in MLD	Physical Progress in%	Status of I & D or House sewer connections	Completion TimeLine
1	Puducherry	15	68	90 %	Mar, 2025
2	Karaikal	11	55	-	Mar, 2025

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	The retender called for 3 MLD using SBR Technology with FSTP at Kanuvapet was opened on 29-11-2024 and it is under process.	June, 2025
2.	Mahe	Administrative approval accorded for an amount of Rs.5,15,88,990/-, work to be awarded.		Sept, 2025
3.	Yanam	Tender floated for 6 MLD STP and it is under process in Works Advisory Board.		Sept, 2025

IV. 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 seven industries. Three industries are not meeting the standards.
9.	Number and total capacity of CETPs (details of existing / under construction /proposed)	Nil
10.	Status of compliance and operation of the CETPs	Nil

Town	**No. of industries**	**Industrial discharge**	**Status of ETPs**	**Status of CETPs (existing, under construction & proposed)**
Puducherry	3271	4746.2 KLD	Existing-115 nos.	Nil

V. Solid Waste Management:

1.	Total number of Urban Local Bodies and their Population.	5 ULB's (7,28,761, Census 2011)
2.	Current Municipal Solid Waste Generation.	Total solid waste generation – 460 TPD

Sl. No.	ULB	Total waste generated (TPD)
1	PM	191
2	OM	170
3	KM	65
4	MM	12
5	YM	22
	Total	460

<table>
<tr>
<td>3.</td>
<td>Number, Installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg., -Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF etc.,</td>
<td>Integrated MSWM is being taken up for all types of waste by the ULBs.

<table>
<tr><td colspan="9">As on 31.07.2024</td></tr>
<tr><th>Sl. No</th><th>ULB</th><th>Processing</th><th>Bio methanation</th><th>MRF</th><th>MRF through formal sectors</th><th>MRF through informal sectors</th><th>Total</th><th>Percent of processing</th></tr>
<tr><td>1</td><td>PM</td><td>Bio compost & MRF = 191</td><td>-</td><td>179</td><td>12</td><td>-</td><td>191</td><td>100%</td></tr>
<tr><td>2</td><td>OM</td><td>Bio compost & MRF = 170</td><td>-</td><td>153</td><td>17</td><td>-</td><td>170</td><td>100%</td></tr>
<tr><td>3</td><td>KM</td><td>(Bio composting, vermi, MRF)</td><td>-</td><td>29</td><td>4</td><td>3</td><td>36</td><td>56 %</td></tr>
<tr><td>4</td><td>MM</td><td>8 (Inhouse pipe composting)</td><td>-</td><td>2</td><td>2</td><td>-</td><td>4</td><td>100%</td></tr>
<tr><td>5</td><td>YM</td><td>-</td><td>-</td><td>-</td><td>-</td><td>2</td><td>2</td><td>5.5%</td></tr>
<tr><td></td><td>Total</td><td></td><td>-</td><td>363</td><td>35</td><td>5</td><td>403</td><td>87.68%</td></tr>
</table>

Composting technologies like Windrows method and other aerobic technologies have been adopted by the new concessionaire in communes of Puducherry and Karaikal.</td>
</tr>
<tr>
<td>4.</td>
<td>Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap> 20%).</td>
<td>Integrated Municipal Solid Waste Management projects including the scope of collection, transportation, processing and disposal are being implemented to handle all the types of waste generated in the ULBs.

1. In Puducherry, The Door to Door collection of solid waste is being carried out by M/s. Swatchatha Corporation, Bangalore. For processing of solid waste, letter of Award was issued on 29.09.2023 to M/s. Green Warrior, Chennai. Processing started on 01.02.2024.

2. For the district of Karaikal, the Letter of Award for Integrated Solid Waste Management project was issued on 22.11.2022 to M/s. HR Square LLP, Hyderabad. 48% of solid waste processing was commenced during July 2024 which includes 1 TPD bio-methanation process and 4 TPD of vermicomposting. High calorific valued waste of 5.5 TPD is being sent for co-processing to the nearby cement factory.

3. In Yanam region, Letter of Award was issued on 26.10.2021 to M/s. HR Square LLP, Hyderabad. The Land for processing of solid waste was identified and handed over to concessionaire on 08.12.2023. Yanam is a very small region with an area of only 30 sq.km surrounded by water bodies, marshy land and mangroves. Public objection hindered the works badly for setting up of processing facility. Door to Door collection of solid waste and transportation was commenced on 08.12.2021. Processing to be commenced soon.

4. Mahe is practicing in-house pipe composting wet waste management and the current concessionaire is taking care of Door to door, segregation and dry waste to MRF separately.</td>
</tr>
<tr>
<td>5</td>
<td>No. and capacity of C&D waste processing Plants in TPD (existing, proposed and under construction).</td>
<td>Municipalities and commune panchayats in Puducherry and Karaikal includes C&D waste management in their scope of the work.</td>
</tr>
</table>

6	Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source.	**ULB**	**Number of Wards**	**Door to Door collection (DTDC)**	**Ground Status on Sou Segregation**
		PM	33	100%	5%
		OM	42	100%	5.4 %
		KM	17	100%	10%
		YM	14	100%	10%
		MM	10	100%	Weekly basis in commercial and monthly basis in resider
7.	Details of MSW treatment facilities proposed and under construction (no. capacity and technology). CBG – Compressed Bio gas	**ULB**	**MSW treatment facilities proposed**	**Capacity proposed**	**Status**
		Pondicherry & Oulgaret Municipality	CBG – 180 TPD RDF – 60 TPD Pyrolysis - 60 TPD C & D Plant - 40 TPD Bio mass – 30 TPD City compost -100 TPD (Manure from CBG)	500 TPD	Under Construction
8.	No. and area (in acres) of uncontrolled Garbage dumpsites and Sanitary Landfills.	3Nos. of controlled Landfills			
		Puducherry		:23.0 acre	
		Karaikal		: 8.32 acre	
		Yanam		: 2 acre	
		Total		:33.32 acres	
9.	No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers.	**Nil**			
10.	No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers.	No. of drains: 172 All the drains that reaches the Sankaraparani and Arasalar rivers were identified and in-situ remediation of providing Grill gratings and Bar screen are completed in all the172 drains.			

Status of Legacy Waste Management:

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 322128	Nil Nil	Completed on 30th April, 2023 Completed on 15.08.2024
2	Karaikal	85350 commenced on 01.06.2023	85350	Nil	Completed on 31st May 2024
3	Yanam	21600	18500	3100	---

No legacy waste in Mahe Municipality is reported.

VI. Bio-medical Waste Management:

1	Total Bio-medical generation:	4828.8 kg/day
2	No. of Hospitals and Health Care Facilities:	450
3	Status of Treatment Facility/CBMWTF:	One Common Bio-Medical Waste Treatment Facility functional.

VII. Hazardous Waste Management:

1	Total Hazardous Waste generation:	29740 TPA
2	No.of Industries generating Hazardous waste	134 industries obtained authorization.
3	Treatment Capacity of all TSDFs	-
4	Avg. Quantity of Hazardous waste reaching the TSDF and Treated.	TSDF: Land fillable Waste disposed – 0 MT to M/s. Kalyana Karnataka Waste Management Project Private Limited (M/s. Mother Earth Environ Tech private limited), Karnataka. (NOC is awaited from KSPCB for disposal).
5	Detail so for-going or proposed TSDF	The TSDF located in neighboring states is being shared.

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). As per the order of Hon'ble NGT, Bahour Commune Panchayat (BCP) has been declared as Single Use Plastic Free Commune. Public notice has been issued on 22.02.2022 in Local dailies for elimination of Single Use Plastics in English and vernacular language. A circular dated 24.02.2022 has been issued to all colleges to declare their campus as SUP free campus as per the direction of CPCB, Delhi. A consultation meeting on "Elimination of single use plastics' with Local Authorities like District Magistrate, Director, LAD, Supdt. of Police and Commissioners of all Local Bodies was convened on 11.04.2022. Conducted a Technical session on laying of road using waste plastics on 18.04.2022. A pilot scale road was laid on 19.04.2022 for about 200mts at Edayarpalayam, Ariyankuppam Commune Panchayat in co-ordination with Prof. Dr.Vasudevaiah, Thiagarajar College of Engineering, Madurai. Road making using waste plastics at Korkumedu,

		Ariyankuppam Commune Panchayat. Hon'ble Chief Minister Inaugurated the LED van on 05.06.2022 for creating awareness on PWM. 10 drives were conducted and 24 kgs of SUP items have been seized by Local bodies. Rs.1700/- was levied as fine. Single Use Plastic (SUP) as per the notification of MoEF &CC, GOI is being strictly implemented by Local bodies and monitored by PPCC. Interaction meeting with the Local bodies of Puducherry, Karaikal, Mahe and Yanam and demo of SUP Portal and Apps of CPCB was held on 13.07.2022. Interaction meeting with the Local bodies of Puducherry, Karaikal, Mahe and Yanam and demo of SUP Portal and APPS of CPCB was held on 13.07.2022. Interaction meeting with the Local bodies of Karaikal for demo of SUP Portal and Apps of CPCB was held on 10.08.2022 under the Chairmanship of the Collector, Karaikal. For Setting up Material Recovery Facility (MRF) for 20 TPD Recyclable Plastic waste from Pondicherry and Oulgaret Municipality, MoU is under process. 5th meeting of Special Task Force (STF) on elimination of Single use Plastic in the U.T of Puducherry under the Chairmanship of the Chief Secretary was held on 10.11.2023. Minutes of the meeting communicated to the concerned line Department.
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:	The Chief secretary appeared before the Hon'ble NGT (through hybrid mode) on 25.09.2024 and explained the present status of Solid and Liquid waste management in the matter of O.A.No.606 of 2018.
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:	Demarcation of flood plain and removal of illegal encroachments in Karaikal region is to be prepared under FMBAP. The expert team from Central

		Water Commission, New Delhi has inspected the sites on 02.02.2023 for conducting field survey for sustainable water management in Karaikal Region. After getting necessary expert advice/recommendation from the expert team CWC, New Delhi necessary DPR will be prepared.
XVIII	Maintaining minimum e–flow of river:	Illegal sand miming affect e-flow in the rivers. Hence, orders u/s 144 of CrPc were issued on 1st 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:	The mangrove area in Karaikal to an extent of 11-09-30 Hectares belongs to the Government and the rest of the area to an extent of 10-39-00 Hectares belongs to private owners. Deputy Collector (Revenue), Karaikal informed that as the matter is presently under court case, notification of Mangrove Forest area as Bio-diversity park will not be feasible till the outcome of the judgement.
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 the13 Coastal States:	Consultation meeting with NCCR, Chennai was held on 19.08.2024 P.M. in the chamber of the Chairman, PPCC w.r.t Preparation of revised Coastal Pollution Action Plan (CPAP) for UT of Puducherry. Preparation of Action plan is under process.
XXIV	Regulation of Mining Activities in the State/UT:	Illegal sand miming affect e-flow in the rivers. Hence, orders u/s 144 of CrPc were issued on 1st 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.	-

ANNEXURE – I

GOVERNMENT OF PUDUCHERRY
WATER TESTING LABORATORY
P.H.D., P.W.D., PUDUCHERRY

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-2279
ULR-TC758024000001301F

Date: 13.12.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainge Sub Division, PHD., PWD., Puducherry.

Customer Reference : Letter dated:06.12.2024

SAMPLE DETAILS

		Information provided by the Customer	
Sample Code	: **2024/W-2279**	Sampled by	: Customer
Product Category	: Pollution & Environment	Sampling Procedure	: --
Sample Name	: Waste Water	Sample Description	: Waste Water (Outlet)
Temperature at the time of Receipt	: --	Sampling Location	: Dubrayapet STP Outlet
Sample Condition	: Fit for analysis	Date of Sampling	: 06.12.2024
Sample Received on	: 06.12.2024	Identification by Customer	: Sample 6
Test Started on	: 06.12.2024		
Test Completed on	: 13.12.2024		

TEST RESULTS

Sl.No.	Test Parameter	Test Method	Units	Results	NGT Standards for treated Sewage for discharge into surface water
1	pH @ 25°C	APHA, 24th Edition,2023,4500-H+B	--	7.51	5.5 to 9
2	Total Suspended Solids @ 103 - 105°C	APHA, 24th Edition, 2023, 2540 D	mg/L	<10	Less than 10
3	Chemical Oxygen Demand	APHA, 24th Edition, 2023, 5220 B	mg/L	7.17	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	3.60	Less than 10

.....End of Report.....

Authorized Signatory
L. Anita Ben
BIOCHEMIST
WATER TESTING LAB
PUBLIC HEALTH DIVISION
P.W.D. PUDUCHERRY.

Copy submitted to:
The Executive Engineer,
PHD., PWD., Puducherry.

Terms and Conditions:
1. The test result relevant only to the item tested.
2. The tested report shall not be reproduced in full or part without written approval of WTL-PHDPWD.
3. The laboratory is not responsible for the authenticity of photocopied test report.
4. The test item will not be retained for more than 15 days from the date of issue of test report except in case as required by applicable regulations.
5. The laboratory is not responsible for any legal dispute that may arise in future if the sample was not drawn by the laboratory personnel.

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

TC-6118

ULR - TC611825000000733F
Report No : QEN250103011-02

Report Date : 07 Jan 2025

Customer Name : **M/s. 17 MLD Sewage Treatment Plant-Dubrayapet**
Customer Address : Near New Light House, Dubrayapet, Puducherry-605001.

Sample Name	: STP Outlet Water	Sample Quantity	: 2 Ltr x 1 No
Sample Description	: STP Outlet Water	Sampling Date	: 02 Jan 2025
Reference	: Test Request Form Dated 02.01.2025	Sample Received on	: 03 Jan 2025
Sample Drawn By	: Laboratory	Test Started on	: 03 Jan 2025
Sample Location	: STP Area	Test Completed on	: 06 Jan 2025
Sample Procedure	: SMSLA/EN/SOP/001, SMSLA/MB/SOP/06		

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	As per NGT Limit
Biological					
1	Faecal Coliforms	APHA 24th Edition 9221 Cl E - 2023	MPN/100mL	<1.8	Desirable - 100 Permissible - 230
Chemical					
2	Total Nitrogen as N	SMSLA/WT/SOP/034 - 2024	mg/L	3.6	10 Max
3	Total Phosphorous as P	APHA 24th Edition 4500 P B, D - 2023	mg/L	0.21	1.0 Max

Note : MPN : Most Probable Number. <1.8 can be taken as absent.
Remarks : The STP Outlet Water Sample Conforms to the NGT Discharge limit for the Parameters tested above.

/********** End of the Report **********/

J.Mohammed Shabir
Authorized Signatory-Biological

M. Sarathkumar
Authorized Signatory-Chemical

GOVERNMENT OF PUDUCHERRY
WATER TESTING LABORATORY
P.H.D., P.W.D., PUDUCHERRY

TC-7580

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-2277
ULR-TC758024000001299F

Date: 13.12.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainge Sub Division, PHD., PWD., Puducherry.

Customer Reference : Letter dated:06.12.2024

SAMPLE DETAILS

Sample Code	: **2024/W-2277**	**Information provided by the Customer**	
Product Category	: Pollution & Environment	Sampled by	: Customer
Sample Name	: Waste Water	Sampling Procedure	: --
Temperature at the time of Receipt	: --	Sample Description	: Waste Water (Outlet)
Sample Condition	: Fit for analysis	Sampling Location	: Lawspet STP Outlet
Sample Received on	: 06.12.2024	Date of Sampling	: 06.12.2024
Test Started on	: 06.12.2024	Identification by Customer	: Sample 4
Test Completed on	: 13.12.2024		

TEST RESULTS

Sl.No.	Test Parameter	Test Method	Units	Results	NGT Standards for treated Sewage for discharge into surface water
1	pH @ 25°C	APHA, 24th Edition,2023,4500-H+B	--	7.49	5.5 to 9
2	Total Suspended Solids @ 103 - 105°C	APHA, 24th Edition, 2023, 2540 D	mg/L	<10	Less than 10
3	Chemical Oxygen Demand	APHA, 24th Edition, 2023, 5220 B	mg/L	8.36	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	4.00	Less than 10

.....End of Report.....

L. Anita Ben

Authorized Signatory
L. Anita Ben
BIOCHEMIST
WATER TESTING LAB
PUBLIC HEALTH DIVISION
P.W.D. PUDUCHERRY.

Copy submitted to:
The Executive Engineer,
PHD., PWD., Puducherry.

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5. The laboratory is not responsible for any legal dispute that may arise in future if the sample was not drawn by the laboratory personnel.

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

TC-6118

ULR - TC611825000000729F
Report No : QEN250103010-02

Report Date : 07 Jan 2025

Customer Name	: **M/s. 17 MLD Sewage Treatment Plant-Laurspet**		
Customer Address	: Laurspet, Puducherry.		
Sample Name	: STP Outlet Water	Sample Quantity	: 2 Ltr x 1 No
Sample Description	: STP Outlet Water	Sampling Date	: 02 Jan 2025
Reference	: Test Request Form Dated 02.01.2025	Sample Received on	: 03 Jan 2025
Sample Drawn By	: Laboratory	Test Started on	: 03 Jan 2025
Sample Location	: STP Area	Test Completed on	: 06 Jan 2025
Sample Procedure	: SMSLA/EN/SOP/001, SMSLA/MB/SOP/06		

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	As per NGT Limit
Biological					
1	Faecal Coliforms	APHA 24th Edition 9221 Cl E - 2023	MPN/100mL	<1.8	Desirable - 100 Permissible - 230
Chemical					
2	Total Nitrogen as N	SMSLA/WT/SOP/034 - 2024	mg/L	2.6	10 Max
3	Total Phosphorous as P	APHA 24th Edition 4500 P B, D - 2023	mg/L	0.08	1.0 Max

Note : MPN : Most Probable Number. <1.8 can be taken as absent.
Remarks : The STP Outlet Water Sample Conforms to the NGT Discharge limit for the Parameters tested above.

/********** End of the Report **********/

J.Mohammed Shabir
Authorized Signatory-Biological

M. Sarathkumar
Authorized Signatory-Chemical

GOVERNMENT OF PUDUCHERRY
WATER TESTING LABORATORY
P.H.D., P.W.D., PUDUCHERRY

TC-7580

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-2275
ULR-TC758024000001297F

Date: 13.12.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainge Sub Division, PHD., PWD., Puducherry.

Customer Reference : Letter dated:06.12.2024

SAMPLE DETAILS

		Information provided by the Customer	
Sample Code	: **2024/W-2275**	Sampled by	: Customer
Product Category	: Pollution & Environment	Sampling Procedure	: --
Sample Name	: Waste Water	Sample Description	: Waste Water (Outlet)
Temperature at the time of Receipt	: --	Sampling Location	: Kanaganeri Outlet
Sample Condition	: Fit for analysis		
Sample Received on	: 06.12.2024	Date of Sampling	: 06.12.2024
Test Started on	: 06.12.2024	Identification by Customer	: Sample 2
Test Completed on	: 13.12.2024		

TEST RESULTS

Sl.No.	Test Parameter	Test Method	Units	Results	NGT Standards for treated Sewage for discharge into surface water
1	pH @ 25°C	APHA, 24th Edition,2023,4500-H+B	--	7.51	5.5 to 9
2	Total Suspended Solids @ 103 - 105°C	APHA, 24th Edition, 2023, 2540 D	mg/L	<10	Less than 10
3	Chemical Oxygen Demand	APHA, 24th Edition, 2023, 5220 B	mg/L	10.3	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	6.60	Less than 10

.....End of Report.....

Authorized Signatory
L. Anita Ben
BIOCHEMIST
WATER TESTING LAB
PUBLIC HEALTH DIVISION
P.W.D. PUDUCHERRY.

Copy submitted to:
The Executive Engineer,
PHD., PWD., Puducherry.

Terms and Conditions:
1. The test result relevant only to the item tested.
2. The tested report shall not be reproduced in full or part without written approval of WTL-PHDPWD.
3. The laboratory is not responsible for the authenticity of photocopied test report.
4. The test item will not be retained for more than 15 days from the date of issue of test report except in case as required by applicable regulations.
5. The laboratory is not responsible for any legal dispute that may arise in future if the sample was not drawn by the laboratory personnel.

SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT

TC-6118

ULR - TC611825000000731F
Report No : QEN250103012-02

Report Date : 07 Jan 2025

Customer Name	: **M/s. 17 MLD Sewage Treatment Plant-Kanaganeri**		
Customer Address	: Kanaganeri, Kathirkamam Puducherry-605 009.		
Sample Name	: STP Outlet Water	Sample Quantity	: 2 Ltr x 1 No
Sample Description	: STP Outlet Water	Sampling Date	: 02 Jan 2025
Reference	: Test Request Form Dated 02.01.2025	Sample Received on	: 03 Jan 2025
Sample Drawn By	: Laboratory	Test Started on	: 03 Jan 2025
Sample Location	: STP Area	Test Completed on	: 06 Jan 2025
Sample Procedure	: SMSLA/EN/SOP/001, SMSLA/MB/SOP/06		

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	As per NGT Limit
Biological					
1	Faecal Coliforms	APHA 24th Edition 9221 Cl E - 2023	MPN/100mL	70	Desirable - 100 Permissible - 230
Chemical					
2	Total Nitrogen as N	SMSLA/WT/SOP/034 - 2024	mg/L	2.9	10 Max
3	Total Phosphorous as P	APHA 24th Edition 4500 P B, D - 2023	mg/L	0.14	1.0 Max

Note : MPN : Most Probable Number.
Remarks : The STP Outlet Water Sample Conforms to the NGT Discharge limit for the Parameters tested above.

/********** End of the Report **********/

J.Mohammed Shabir
Authorized Signatory-Biological

M. Sarathkumar
Authorized Signatory-Chemical

Chunnambar River Water Quality Data - 2024			
S.No	**Parameters**	**December**	**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**	09.12.2024	
2	**Time**	11.45 A.M	
3	**Temp°C**	30.0	
4	**pH**	7.66	6.5-8.5
5	**DO (mg/l)**	7.4	5 or more
6	**BOD (mg/l)**	3.0	3 or less
7	**Total Coliform MPN/100 ml**	240	
8	**Faecal Coliform MPN/100ml**	240	500 (Desirable) and 2500 (Max. Permissible)
9	**Faecal Streptococci MPN/100ml**	<1.8	100 (Desirable) and 500 (Max. Permissible)

Arasalar River Water Quality Data - 2024			
S.No	**Parameters**	**December**	**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**	02.12.2024	
2	**Time**	07.00 A.M	
3	**Temp°C**	27.0	
4	**pH**	6.54	6.5-8.5
5	**DO (mg/l)**	4.1	5 or more
6	**BOD (mg/l)**	BDL (DL:1.0)	3 or less
7	**Total Coliform MPN/100 ml**	210	
8	**Faecal Coliform MPN/100ml**	79	500 (Desirable) and 2500 (Max. Permissible)
9	**Faecal Streptococci MPN/100ml**	94	100 (Desirable) and 500 (Max. Permissible)

BDL - Below Detectable Limit; DL - Detection Limit
MPN- Most Probable Number

ANNEXURE–II

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	Industrial usage	0.8 MLD
	Fodder Grass raising	6.0 MLD
	Coconut Plantation	
	Silk cotton trees	
	Natural recharging through impounding reservoir	9 MLD
Dubrayapet STP	To Pondy Marina Hotel	0.3 MLD
	Total	**16.1 MLD**