

No. 6836/NGT/SLMC/SCI/2024/ 748
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 **13 0 AUG 2024**

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.

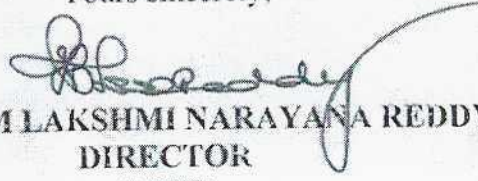
Sir,

Sub: DSTE/PPCC-Submission of Monthly 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 July, 2024 is enclosed for kind perusal.

Yours sincerely,


(YASAM LAKSHMI NARAYANA REDDY)
DIRECTOR
(DSTE)

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

**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: (16.23+16.02+16.22+ 5) = 53.47 MLD 53.47/56= 95.48 %	53.47 MLD (95.48 %)
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)	The construction of 15 MLD STP in Puducherry was commenced on 27.07.2023. Roof slab laid for 3 blocks and foundation work completed for 14 units out of 16 units. Procurement of electrochemical work is in progress, SBR unit pile work is also in progress. The construction will be completed by March, 2025.
5.	No. of Operational STPs:	5 Nos.
6.	No. of Complying STPs	Three STPs of 17 MLD capacity meets the NGT prescribed standards of pH, Total Suspended Solids, BOD, COD and Fecal Coliform.

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	95.48 %	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	50	90 %	Mar, 2025
2	Karaikal	11	35	-	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	Revised DPR for Installation of 3 MLD STP along with FSTP in Villianur is under process.	30.06.2025
2.	Mahe	Tender is under finalization for the construction of 0.5 MLD STP in Mahe.		30.06.2025
3.	Yanam	Tender is floated 5 times for the construction of 6 MLD STP in Yanam. But no response had been received since the site for construction of STP is in low-lying area. The estimate has been revised and retender will be floated at the earliest.		30.06.2025

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:	Eleven industries were monitored. Four industries are not meeting the standards. Directions have been issued to all the four non-compliance industries.
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 - 539 TPD		
		Sl. No.	ULB	Total waste generated (TPD)
		1	Puducherry Region- Urban	300
		2	Puducherry Region- Rural	135
		3	Karaikal Region- Urban	45
		4	Karaikal Region- Rural	25
		5	Mahe Municipality (MM)	12
		6	Yanam Municipality (YM)	22
			Total	539

[illegible]

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 Source Segregation
		PM	42	100%	43 % (15 wards by Recity)
		OM	37	100%	5.4 % (20 wards by OM)
		KM	18	100%	50%
		YM	14	100%	10%
		MM	15	100%	Weekly basis in commercial area and monthly basis in residential area
		(100% segregation is reported in all 5 ULB's Swaththam SBM portal)			
7.	Details of MSW treatment facilities proposed and under construction (no. capacity and technology). Pdy CP's – Puducherry Commune Panchayat Kkl CP's – Karaikal Commune Panchayat	ULB	MSW treatment facilities proposed	Capacity proposed	Status
		Pdy CP's	Integrated Municipal Solid Waste Processing Project at Puducherry commune panchayat	70 TPD	Work order has been issued to M/s. HR Square LLP, Hyderabad for processing of solid waste. Construction of MRF shed, compost platform and establishment of other equipments & machineries has been completed and the Processing of wet solid waste has commenced since 22.01.2024.
		Kkl CP's	Integrated Municipal Solid Waste Processing Project at Puducherry commune panchayat	15 TPD	The Letter of Award for Integrated Solid Waste Management project was issued on 22.11.2022 to M/s. HR Square LLP, Hyderabad. 100% of solid waste processing has commenced on 15.10.2023 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.
8.	No. and area (in acres) of uncontrolled	3Nos. of controlled Landfills			
	Garbage dumpsites and Sanitary 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 the 172 drains.			

Status of ULB wise Management of Solid Waste

Region	Solid waste generated (TPD)	Processed /Recovered (TPD)	Gap (TPD)	Time line
Pondicherry (Urban)	300	300	-	Commenced on ongoing
Pondicherry (Rural)	135	135	-	Commenced on ongoing
Karaikal	70	70	-	Commenced on ongoing
Mahe	12	12	-	Commenced on ongoing
Yanam	22	Yet to start	-	--
Total	539	517	-	

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 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	15588	6012	15.08.2024

Mahe Municipality:

- 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. (Since 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 67.5 kgs of SUP items have been seized by Local bodies. Rs. 7500/- was levied as fine. 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. 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 and submitted the affidavit on 25.07.2024 in the matter of OA No. 606/2018.
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 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:	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 the 13 Coastal States:	Action plan was submitted to CPCB dt.24.02.2020.
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.	-

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



Report No. : TR/WTL/PHD/PWD/PDY/2024/W-1168
ULR-TC75802400000751F

Date: 08.07.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainage Sub Division, PHD, PWD, Puducherry.
Customer Reference : Letter dated:02.07.2024

Page 1 of 1

SAMPLE DETAILS

Sample Code	: 2024/W-1168	Information provided by the Customer			
Product Category	: Pollution & Environment	Sampled by	: Customer		
Sample Name	: Waste Water (Outlet)	Sampling Procedure	: --		
Temperature at the time of Receipt	: 31.3°C	Sample Description	: Waste Water (Outlet)		
Sample Condition	: Fit for analysis	Sampling Location	: Lawspet STP Outlet		
Sample Received on	: 02.07.2024	Date of Sampling	: 02.07.2024		
Test Started on	: 02.07.2024	Identification by Customer	: Sample 2		
Test Completed on	: 08.07.2024				

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, 23rd Edition, 2017, 4500-H+B	--	8.01	5.5 to 9
2	Total Suspended Solids @ 103 - 105°C	APHA, 23rd Edition, 2017, 2540 D	mg/L	<10	Less than 10
3	Chemical Oxygen Demand	APHA, 23rd Edition, 2017, 5220 B	mg/L	18.9	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	7	Less than 10

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

Authorized Signatory

Vimala Venkatachalam

Vimala Venkatachalam
BIOCHEMIST
WATER TESTING LABORATORY
PUBLIC HEALTH DIVISION

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.

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

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-1168(Annexe)

Date: 08.07.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainage Sub Division, PHD, PWD, Puducherry.
Customer Reference : Letter dated:02.07.2024

Page 1 of 1

SAMPLE DETAILS

Sample Code : 2024/W-1168		Information provided by the Customer	
Product Category	: Pollution & Environment	Sampled by	: Customer
Sample Name	: Waste Water (Outlet)	Sampling Procedure	: --
Temperature at the time of Receipt	: 31.3°C	Sample Description	: Waste Water (Outlet)
Sample Condition	: Fit for analysis	Sampling Location	: Lawspet STP Outlet
Sample Received on	: 02.07.2024	Date of Sampling	: 02.07.2024
Test Started on	: 02.07.2024	Identification by Customer	: Sample 2
Test Completed on	: 08.07.2024		

TEST RESULTS

Sl.No.	Test Parameter	Test Method	Units	Results
1	Faecal Coliforms	WHO Guideliness for drinking water Quality - Vol3	MPN/100 ml	60 MPN/100ml

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

Authorized Signatory



Vimala Venkatachalam

BIOCHEMIST
WATER TESTING LABORATORY
PUBLIC HEALTH DIVISION

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.

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



Report No. : TR/WTL/PHD/PWD/PDY/2024/W-1170
ULR-TC758024000000753F

Date: 08.07.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainage Sub Division, PHD, PWD, Puducherry.
Customer Reference : Letter dated:02.07.2024

Page 1 of 1

SAMPLE DETAILS

Sample Code	: 2024/W-1170	Information provided by the Customer			
Product Category	: Pollution & Environment	Sampled by	:	Customer	
Sample Name	: Waste Water (Outlet)	Sampling Procedure	:	--	
Temperature at the time of Receipt	: 31.2°C	Sample Description	:	Waste Water (Outlet)	
Sample Condition	: Fit for analysis	Sampling Location	:	Dubrayapet STP Outlet	
Sample Received on	: 02.07.2024	Date of Sampling	:	02.07.2024	
Test Started on	: 02.07.2024	Identification by Customer	:	Sample 4	
Test Completed on	: 08.07.2024				

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, 23rd Edition, 2017, 4500-H+B	--	7.98	5.5 to 9
2	Total Suspended Solids @ 103 - 105°C	APHA, 23rd Edition, 2017, 2540 D	mg/L	<10	Less than 10
3	Chemical Oxygen Demand	APHA, 23rd Edition, 2017, 5220 B	mg/L	13.9	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	4	Less than 10

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

Authorized Signatory

Vimala Venkatachalam

BIOCHEMIST
WATER TESTING LABORATORY
PUBLIC HEALTH DIVISION

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.

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

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-1170(Annexe)

Date: 08.07.2024

TEST REPORT

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

Page 1 of 1

Customer Reference : Letter dated:02.07.2024

SAMPLE DETAILS

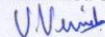
Sample Code	: 2024/W-1170	Information provided by the Customer	
Product Category	: Pollution & Environment	Sampled by	: Customer
Sample Name	: Waste Water (Outlet)	Sampling Procedure	: --
Temperature at the time of Receipt	: 31.2°C	Sample Description	: Waste Water (Outlet)
Sample Condition	: Fit for analysis	Sampling Location	: Dubrayapet STP Outlet
Sample Received on	: 02.07.2024	Date of Sampling	: 02.07.2024
Test Started on	: 02.07.2024	Identification by Customer	: Sample 4
Test Completed on	: 08.07.2024		

TEST RESULTS

Sl.No.	Test Parameter	Test Method	Units	Results
1	Faecal Coliforms	WHO Guideliness for drinking water Quality - Vol3	MPN/100 ml	50 MPN/100ml

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

Authorized Signatory



Vimala Venkatachalam

BIOCHEMIST
WATER TESTING LABORATORY
PUBLIC HEALTH DIVISION

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-PHPWD.
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.

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



Report No. : TR/WTL/PHD/PWD/PDY/2024/W-1172
ULR-TC75802400000755F

Date: 08.07.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainage Sub Division, PHD, PWD, Puducherry.
Customer Reference : Letter dated:02.07.2024

Page 1 of 1

SAMPLE DETAILS

Sample Code : 2024/W-1172		Information provided by the Customer	
Product Category	: Pollution & Environment	Sampled by	: Customer
Sample Name	: Waste Water (Outlet)	Sampling Procedure	: --
Temperature at the time of Receipt	: 31.4°C	Sample Description	: Waste Water (Outlet)
Sample Condition	: Fit for analysis	Sampling Location	: Kanaganeri STP Outlet
Sample Received on	: 02.07.2024	Date of Sampling	: 02.07.2024
Test Started on	: 02.07.2024	Identification by Customer	: Sample 6
Test Completed on	: 08.07.2024		

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, 23rd Edition, 2017, 4500-H+B	--	7.93	5.5 to 9
2	Total Suspended Solids @ 103 - 105°C	APHA, 23rd Edition, 2017, 2540 D	mg/L	<10	Less than 10
3	Chemical Oxygen Demand	APHA, 23rd Edition, 2017, 5220 B	mg/L	39.8	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	23	Less than 10

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

Authorized Signatory

Vimala Venkatachalam
BIOCHEMIST
WATER TESTING LABORATORY
PUBLIC HEALTH DIVISION

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.

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

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-1172(Annexe)

Date: 08.07.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainage Sub Division, PHD, PWD, Puducherry.
Customer Reference : Letter dated:02.07.2024

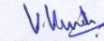
Page 1 of 1

SAMPLE DETAILS

Sample Code	: 2024/W-1172	Information provided by the Customer		
Product Category	: Pollution & Environment	Sampled by	: Customer	
Sample Name	: Waste Water (Outlet)	Sampling Procedure	: --	
Temperature at the time of Receipt	: 31.4°C	Sample Description	: Waste Water (Outlet)	
Sample Condition	: Fit for analysis	Sampling Location	: Kanaganeri STP Outlet	
Sample Received on	: 02.07.2024	Date of Sampling	: 02.07.2024	
Test Started on	: 02.07.2024	Identification by Customer	: Sample 6	
Test Completed on	: 08.07.2024			
TEST RESULTS				
Sl.No.	Test Parameter	Test Method	Units	Results
1	Faecal Coliforms	WHO Guideliness for drinking water Quality - Vol3	MPN/100 ml	400 MPN/100ml

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

Authorized Signatory



Vimala Venkatachalam

BIOCHEMIST
WATER TESTING LABORATORY
PUBLIC HEALTH DIVISION

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.

Chunnambar River Water Quality Data - 2024			
S.No	Parameters	July	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	01.07.2024	
2	Time	01.30 P.M	
3	Temp°C	30.0	
4	pH	9.26	6.5-8.5
5	DO (mg/l)	10.9	5 or more
6	BOD (mg/l)	9.0	3 or less
7	Total Coliform MPN/100 ml	350	
8	Faecal Coliform MPN/100ml	94	500 (Desirable) and 2500 (Max. Permissible)
9	Faecal Streptococci MPN/100ml	38	100 (Desirable) and 500 (Max. Permissible)
Arasalar River Water Quality Data - 2024			
S.No	Parameters	July	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	01.07.2024	
2	Time	6.30 A.M	
3	Temp°C	31.0	
4	pH	7.90	6.5-8.5
5	DO (mg/l)	7.7	5 or more
6	BOD (mg/l)	1.8	3 or less
7	Total Coliform MPN/100 ml	350	
8	Faecal Coliform MPN/100ml	130	500 (Desirable) and 2500 (Max. Permissible)
9	Faecal Streptococci MPN/100ml	84	100 (Desirable) and 500 (Max. Permissible)

BDL - Below Detectable Limit; DL - Detection Limit
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.

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