

No. 6836/NGT/SLMC/SCI/2024/ 263
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

25 JUN 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.

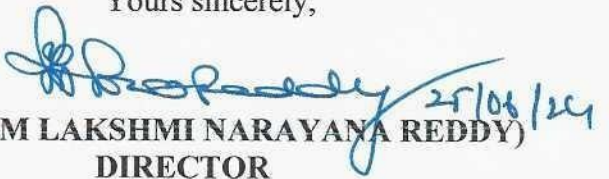
Sir,

Sub: DSTE/PPCC-Submission of 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 May, 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 2.5 MLD capacity UASB STP at Dubrayapet is in operation on trial basis and the other one at Lawspet is under renovation. Total - 56 MLD 56 – 2.5 = 53.5 MLD
2.	Capacity Utilization of existing STPs: (15.74+14.76+15.24) = 45.74 MLD 45.74/53.5= 85.5 %	45.74 MLD (85.5 %)
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)	Work order has been awarded on 22.06.2023 to M/s. Eco Protection Engineers Pvt. Ltd., Chennai for construction of 15 MLD STP at Dubraypet. Foundation work is in progress. Piling work completed for 9 units out of 16 units. Procurement of Electro Mechanical items are under process.
5.	No. of Operational STPs:	3 Nos.
6.	No. of Complying STPs	3 Nos.

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	85.5 %	3	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	25	90 %	30.09.2024
2	Karaikal	11	30	--	01.12.2025

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	During the Standing Financial Committee held on 29.01.2024, it was directed to include installation of Ultra Filtration Unit in the DPR. Tender was called for on 23.02.2024 and date of tender opening extended upto 04.04.2024. Technical bid was opened on 05.04.2024 and the same is under scrutiny.	Can be furnished only after finalizing the tender.
2.	Mahe	To construct 0.5 MLD STP at Mahe, tenders were floated twice and no response was received. Third tender was floated and the same opened on 04.01.2024. As only a single bid is received, tender has been floated again. IV th Call of tender fixed on 13.02.2024. Two bidders were participated. Among the two only M/s. Aquachem Envirns Engineers Pvt. Ltd, Mumbai has fulfilled and the other has not qualified. Financial bid was opened on 01.03.2024 and the tenderer has quoted 4.94% above to the estimate cost put to tender Rs.4,78,34,132/-. Based on the tendered cost proposal has been submitted to the Under Secretary (Works)		

		to obtain the Administrative Approval and Expenditure Sanction from LAD vide I.D.No.4968, dt.12.03.2024.	
3.	Yanam	To construction of 6 MLD STP at Yanam, tenders were floated twice and no response was received. Third tender was floated and opened on 31.08.2023 and placed before the work board for consideration. Since the tender cost was 40% higher than the estimated cost, the same was rejected. IV th Call was fixed on 23.02.2024 and V th tender call was fixed with the date of opening on 21.03.2024. No response. Hence, it is proposed to re-cast the estimate as directed by the Chief Engineer, PWD, Puducherry.	

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:	One unit is not meeting the standards. Direction was issued on 12.06.2024
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 - 382 TPD		
Sl. No.		ULB	Total waste generated (TPD)	
1		PM	155	
2		OM	155	
3		KM	40	
4		MM	12	
5		YM	20	
		Total	382	
3.	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	Compost – 180 TPD Biomass Petllets – 50 TPD RDF – 30 TPD Innert – 30 TPD Total -290 TPD		
4.	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap> 20%).	<p>Integrated Municipal Solid Waste Management projects including the scope of collection, transportation, processing and disposal are being implemented to handle all the types of wastegenerated in the ULBs.</p> <p>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 of solid waste has been commenced</p> <p>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. 100%of solid waste processing has commenced on 15.10.2023.</p> <p>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. Process was started and subsequently stopped due to public objection.</p> <p>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.</p>		
5.	No. and capacity of C&D waste processing Plants in TPD (existing, proposed and under construction).	Municipalities and commune panchayats in Puducherry and Karaikal includes C&D wastemanagement in their scope of the work.		

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	4 2	100%	43 % (15 wards by Recity)
		OM	3 7	100%	5.4 % (20 wards by OM)
		KM	1 8	100%	50%
		YM	1 4	100%	10%
		MM	1 5	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).	ULB	MSW treatment facilities proposed	Capacity proposed	Status
			Bio-mass pelletisation	30 TPD	Work order has been issued to M/s. Green Warrior.
		Pdy& Oulgaret Municipalities	Bio-methanation	6000 m3/d	
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 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 301601	Nil 47388	Completed during April, 2023 June 2024
2	Karaikal	85350 commenced on 01.06.2023	85350	Nil	Completed on 6 th May 2024
3	Yanam	21600	14554	7046	June 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:	442
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 reached – 326.37 MT to M/s. Kalyana Karnataka Waste Management Project Private Limited, Karnataka
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:	31087 TPA
2	Treatment/Measures adopted for reduction or management of plastic waste:	<p>Government of Puducherry has imposed total ban on single use plastics with effect from 02/08/2019.</p> <p>As per the Government of India Notification Addendum has been notified by the Government of Puducherry for imposing additional SUP items like</p> <ul style="list-style-type: none">(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). <p>Standard Operating Procedure (SOP) for making SUP free Government office has been prepared and circulated to all the Government Departments and Industries.</p> <p>Surprise inspections are being carried out.</p> <p>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).</p> <p>As per the order of Hon’ble NGT, Bahour Commune Panchayat (BCP) has been</p>

		<p>declared as Single Use Plastic Free Commune.</p> <p>Public notice has been issued on 22.02.2022 in Local dailies for elimination of Single Use Plastics in English and vernacular language.</p> <p>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.</p> <p>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.</p> <p>Conducted a Technical session on laying of road using waste plastics on 18.04.2022.</p> <p>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.</p> <p>Road making using waste plastics at Korkumedu, Ariyankuppam Commune Panchayat.</p> <p>Hon’ble Chief Minister Inaugurated the LED van on 05.06.2022 for creating awareness on PWM.</p> <p>5 drives were conducted and 4.9 kgs of SUP items have been seized by Local bodies. Rs.6,500/- was levied as fine.</p> <p>Implementation of Single Use Plastic (SUP) as per the notification of MoEF &CC, GOI is being strictly implemented by</p>
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		<p>Local bodies and monitored by PPCC.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>For Setting up Material Recovery Facility (MRF) for 20 TPD Recyclable Plastic waste from Pondicherry and Oulgaret Municipality, MoU is under process.</p> <p>5 th 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.</p>
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 was held on 23.04.2024, on the compliance status of Hon'ble NGT order, dated 25.01.2024 in the matter of O.A.No.606 of 2018, under the Chairmanship of the Finance Secretary cum Senior Nodal Officer.
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:	<p>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.</p> <p>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.</p> <p>886 Rain Water Harvesting structure are constructed in the U.T of Puducherry by Department of Agriculture, Ground Water Authority and PWD.</p>
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. NCCR was requested to carry out marine sampling in the first consultative meeting held on 05.07.2022 and subsequently reminded vide mail dt. 11.10.2022.
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.	-

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

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-0740
ULR-TC758024000000336F

Date: 13.05.2024

TEST REPORT

Customer Name & Address : The Assistant Engineer,
Drainage Sub Division, PWD, Puducherry.
Customer Reference : Letter dated: 07.05.2024

Page 1 of 1

SAMPLE DETAILS

SAMPLE DETAILS					
Sample Code	: 2024/W-0740	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	: 34.9°C	Sample Description	: Waste Water (Outlet)		
Sample Condition	: Fit for analysis	Sampling Location	: Kanaganeri Outlet		
Sample Received on	: 07.05.2024	Date of Sampling	: 07.05.2024		
Test Started on	: 07.05.2024	Identification by Customer	: Sample 2		
Test Completed on	: 13.05.2024				
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	--	7.26	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	18.1	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	9.5	Less than 10

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

Authorized Signatory

V. 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-0740(Annexe)

Date: 13.05.2024

TEST REPORT

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

Page 1 of 1

Customer Reference : Letter dated:07.05.2024

SAMPLE DETAILS

Sample Code	: 2024/W-0740	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	: 34.9°C	Sample Description	: Waste Water (Outlet)
Sample Condition	: Fit for analysis	Sampling Location	: Kanaganeri Outlet
Sample Received on	: 07.05.2024	Date of Sampling	: 07.05.2024
Test Started on	: 07.05.2024	Identification by Customer	: Sample 2
Test Completed on	: 13.05.2024		

TEST RESULTS

Sl.No.	Test Parameter	Test Method	Units	Results
1	Faecal Coliforms	WHO Guideliness for drinking water Quality - Vol3	MPN/100 ml	90 MPN/100ml

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

Authorized Signatory



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



Report No. : TR/WTL/PHD/PWD/PDY/2024/W-0671
ULR-TC758024000000329F

Date: 09.05.2024

TEST REPORT

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

Customer Reference : Letter dated: 03.05.2024

Page 1 of 1

SAMPLE DETAILS

Sample Code	: 2024/W-0671	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	: 34.7°C	Sample Description	: Waste Water (Outlet)		
Sample Condition	: Fit for analysis	Sampling Location	: Lawspet STP Outlet		
Sample Received on	: 03.05.2024	Date of Sampling	: 03.05.2024		
Test Started on	: 03.05.2024	Identification by Customer	: Sample 2		
Test Completed on	: 09.05.2024				

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	--	7.54	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	14.4	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part 44; (1994); RA2014	mg/L	3.8	Less than 10

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

Authorized Signatory

Vimala Venkatachalam

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

Report No. : TR/WTL/PHD/PWD/PDY/2024/W-0671(Annexe)

Date: 09.05.2024

TEST REPORT

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

Page 1 of 1

Customer Reference : Letter dated:03.05.2024

SAMPLE DETAILS

Sample Code	: 2024/W-0671	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	: 34.7°C	Sample Description	: Waste Water (Outlet)
Sample Condition	: Fit for analysis	Sampling Location	: Lawspet STP Outlet
Sample Received on	: 03.05.2024	Date of Sampling	: 03.05.2024
Test Started on	: 03.05.2024	Identification by Customer	: Sample 2
Test Completed on	: 09.05.2024		

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

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



Report No. : TR/WTL/PHD/PWD/PDY/2024/W-0669
ULR-TC758024000000327F

Date: 09.05.2024

TEST REPORT

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

Customer Reference : Letter dated: 03.05.2024

Page 1 of 1

SAMPLE DETAILS

Sample Code	: 2024/W-0669	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	: 34.8°C	Sample Description	: Waste Water (Outlet)		
Sample Condition	: Fit for analysis	Sampling Location	: Dubrayapet STP Outlet		
Sample Received on	: 03.05.2024	Date of Sampling	: 03.05.2024		
Test Started on	: 03.05.2024	Identification by Customer	: Sample 2		
Test Completed on	: 09.05.2024				

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	--	7.66	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	13.4	Not more than 50
4	Biochemical Oxygen Demand (3 days at 27°C)	IS 3025 Part44; (1994); RA2014	mg/L	3.0	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-0669(Annexe)

Date: 09.05.2024

TEST REPORT

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

Page 1 of 1

Customer Reference : Letter dated:03.05.2024

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Test Completed on	: 09.05.2024			

TEST RESULTS

Sl.No.	Test Parameter	Test Method	Units	Results
1	Faecal Coliforms	WHO Guideliness for drinking water Quality - Vol3	MPN/100 ml	40 MPN/100ml

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

Authorized Signatory



Vimala Venkatachalam

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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