

No. M-17057/25/NGT/MPR/SCI/2026/ 184
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

To

16 FEB 2026

Shri. Anup Kumar Srivastava
Executive Director (Tech)
National Mission for Clean Ganga
Ministry of Jai Shakti,
1st Floor, Major Dhyani 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 January, 2026 is enclosed for kind perusal.

Yours sincerely,



(Dr. N. Ramesh)
Member Secretary
PPCC

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

**Submission of Monthly Progress Report – January 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)

$(657600 \times 135 \text{ LPCD} \times 80\%) = 71.02 \text{ MLD}$ 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	3 Nos. of SBR – 51 MLD 2 Nos. of UASB – 5 MLD Total – 56 MLD
2.	Capacity Utilization of existing STPs: $(17+16.62+17) = 50.62 \text{ MLD}$ $50.62 / 56 = 90.39\%$	50.62 MLD (90.39%)
3.	MLD of sewage being treated through Alternate technology:	15 MLD (on site sanitation like septic tank and soak pit etc.). Work order for 15 MLD capacity STP on EPC mode has been issued on 22.06.2023. Out of 16 Units, 15 Units have been completed. In PTU, erection of electromechanical items work is completed. In centrifuge building, flooring and finishing work were completed. Roadwork and Compound wall work, painting works and Installation of electro mechanical items are in progress and nearing completion.
4.	Gap in Treatment Capacity in MLD:	15 MLD
5.	No. of Operational STPs:	5 Nos.
6.	No. of Complying STPs	2 Nos. Faecal Coliform is not meeting the standard in Kanaganeri STP.

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	56 MLD	90.39%	5	2
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	97%	90%	28.02.2026
2	Karaikal	11 MLD	95% Remaining work in progress	-	31.03.2026

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.	Stipulated date of completion 10.09.2026
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.		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 two industries. Two Industries are 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:

	Total number of Urban Local Bodies and their Population.	5 ULB's (7,28,761, Census 2011)							
1.	Current Municipal Solid Waste Generation.	Total solid waste generation – 499 TPD							
		Sl. No.	ULB	Total waste generated (TPD)					
		1	PM	218 (370-Puducherry Urban)					
		2	OM	152					
		3	KM	97					
		4	MM	12					
		5	YM	20					
			Total	499					
2.	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 bio-methanation, MRF etc	Integrated MSWM is being taken up for all types of waste by the ULBs.							
		S. No.	ULB	Process ing	Bio-methan ation	RDF	MRF	Total	Prece ntag e of Process ing
		1	PM & OM	240 TPD compost	-	120 TPD	2 TPD	362	98
		2	KM	65 TPD- Rapid compost 5TPD vermi compost	-	15 TPD	2 TPD	82	85
		3	MM	8 TPD- pipe compost	-	4 TPD	-	12	100
		4	YM	15 TPD compost	-	-	3 TPD	18	90
			Total	333 TPD	-	130 TPD	7 TPD	470	94

3.	Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap> 20%)	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. 1. The following processing facilities to be set up in Resource Recovery Park at Kurumbapet for improving Solid Waste Management Practices. 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
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																										

6.	Details of MSW treatment facilities proposed and under construction (no. capacity and technology)	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.
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	5.53 lakh tons	Nil	Completed on 30 th April, 2023
		(Phase – II) 3,48,989 MT commenced on 13.10.2023	3,48,989	Nil	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/Envvt/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. 38 drives were conducted and 116 kgs of SUP items have been seized and Rs. 18,100/-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:	Hearing of the Hon'ble NGT on O.A. No.606 of 2018 on Review application of the Chief Secretary to Government was held on 20.01.2026.
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 encroachments which hinders the flood plain has been cleared.
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.
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:	Final version of the Coastal Action Plan by NCCR is under process.
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



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611826000004576F
Report No : ENO260124016-02

Page 1 of 1
Report Date : 28 Jan 2026

Customer Name : M/s. 17 MLD Sewage Treatment Plant-Kanaganeri
Customer Address : Kanaganeri, Kathirkamam Puducherry-605 009.
Sample Name : STP Outlet Water **Sample Quantity** : 1Ltr x 2No's
Sample Description : STP Outlet Water **Sampling Date** : 23 Jan 2026
Reference : Test Request Form Dated 23.01.2026 **Sample Received on** : 24 Jan 2026
Sample Identification : 2 **Test Started on** : 24 Jan 2026
Sample Drawn By : SMS Lab Representative Mr. J. Naveenkumar **Test Completed on** : 28 Jan 2026
Sample Location : STP Area
Sampling Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06

TEST RESULTS

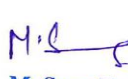
S.NO	Parameter	Test Method	Unit	Results	As per NGT Limit
Biological					
1	Faecal Coliforms	APHA 24th Edition 9221 Cl E - 2023	MPN/100mL	>1600	Desirable - 100 Permissible - 230
Chemical					
2	BOD at 27°C for 3 days	IS 3025 (Part 44) - 2023	mg/L	8.0	10 Max
3	COD	IS 3025 (Part 58) - 2023	mg/L	35	50 Max
4	Total Nitrogen as N	SMSLA/WT/SOP/034 - 2024	mg/L	4.6	10 Max
5	Total Phosphorous as P	APHA 24th Edition 4500 P B, D - 2023	mg/L	0.35	1.0 Max
Physical					
6	pH at 25°C	APHA 24th Edition 4500 H+ B - 2023	--	7.83	5.5 - 9.0
7	Total Suspended Solids (TSS)	APHA 24th Edition 2540 D - 2023	mg/L	9.5	20 Max

Note : MPN : Most Probable Number.

Remarks : The STP Outlet Water Sample does not Conform 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

Laboratory Address: No 39/6, Puduchatram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements; while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/ are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611826000004573F
Report No : ENO260124015-02

Page 1 of 1
Report Date : 28 Jan 2026

Customer Name : M/s. 17 MLD Sewage Treatment Plant-Lawspet
Customer Address : Lawspet, Puducherry.
Sample Name : STP Outlet Water Sample Quantity : 1Ltr x 2No's
Sample Description : STP Outlet Water Sampling Date : 23 Jan 2026
Reference : Test Request Form Dated 23.01.2026 Sample Received on : 24 Jan 2026
Sample Identification : 2 Test Started on : 24 Jan 2026
Sample Drawn By : SMS Lab Representative Mr. J. Naveenkumar Test Completed on : 28 Jan 2026
Sample Location : STP Area
Sampling Procedure : SMSLA/EN/SOP/001, SMSLA/MB/SOP/06

TEST RESULTS

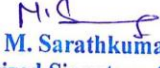
S.NO	Parameter	Test Method	Unit	Results	As per NGT Limit
Biological					
1	Faecal Coliforms	APHA 24th Edition 9221 CIE - 2023	MPN/100mL	<1.8	Desirable - 100 Permissible - 230
Chemical					
2	BOD at 27°C for 3 days	IS 3025 (Part 44) - 2023	mg/L	4.0	10 Max
3	COD	IS 3025 (Part 58) - 2023	mg/L	18	50 Max
4	Total Nitrogen as N	SMSLA/WT/SOP/034 - 2024	mg/L	5.0	10 Max
5	Total Phosphorous as P	APHA 24th Edition 4500 P B, D - 2023	mg/L	0.28	1.0 Max
Physical					
6	pH at 25°C	APHA 24th Edition 4500 H+ B - 2023	--	7.18	5.5 - 9.0
7	Total Suspended Solids (TSS)	APHA 24th Edition 2540 D - 2023	mg/L	6.0	20 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

Laboratory Address: No 39/6, Puduchatram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

Note: Test results relate only to the items tested. Test Report shall not be reproduced in full or part without the approval of SMS Labs. Non-Perishable remnant samples will be disposed 15 days from the date of receipt unless otherwise agreed with the customer except in case of regulatory samples, which will be retained for a specific period as per regulatory requirements, while perishable and environmental remnant samples will be disposed consequently upon completion of testing. Samples are not drawn by laboratory unless or otherwise stated. A satisfactory test report in no way implies that a product so tested is approved by NABL. The Laboratory accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC61182600004647F
Report No : ENO260124014-02

Page 1 of 1
Report Date : 28 Jan 2026

Customer Name : M/s. 17 MLD Sewage Treatment Plant
Customer Address : Near New Light House, Dubrayapet, Puducherry-605001.
Sample Name : STP Outlet Water Sample Quantity : 1Ltr x 2No's
Sample Description : STP Outlet Water Sampling Date : 23 Jan 2026
Reference : Test Request Form Dated 23.01.2026 Sample Received on : 24 Jan 2026
Sample Identification : 2 Test Started on : 24 Jan 2026
Sample Drawn By : Laboratory Test Completed on : 28 Jan 2026
Sample Location : STP Area
Sampling 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	23	Desirable - 100 Permissible - 230
Chemical					
2	BOD at 27°C for 3 days	IS 3025 (Part 44) - 2023	mg/L	4.2	10 Max
3	COD	IS 3025 (Part 58) - 2023	mg/L	19	50 Max
4	Total Nitrogen as N	SMSLA/WT/SOP/034 - 2024	mg/L	6.0	10 Max
5	Total Phosphorous as P	APHA 24th Edition 4500 P B, D - 2023	mg/L	0.29	1.0 Max
Physical					
6	pH at 25°C	APHA 24th Edition 4500 H+ B - 2023	--	7.24	6.5 - 9.0
7	Total Suspended Solids (TSS)	APHA 24th Edition 2540 D - 2023	mg/L	5.0	20 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

B. Karthikeyan
Authorized Signatory-Chemical

Laboratory Address: No 39/6, Puduchatram, Thiruvallur High Road, Thirumazhisai Via, Poonamallee Tk, Thiruvallur, Chennai, Tamil Nadu, India

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Chunnambar River Water Quality Data - 2026			
Sl. No.	Parameters	January	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	05.01.2026	--
2	Time	11.45 AM	--
3	Temp°C	28.0	--
4	pH	8.30	6.5-8.5
5	DO (mg/l)	5.7	5 or more
6	BOD (mg/l)	BDL (DL: 1.0)	3 or less
7	Total Coliform MPN/100 ml	220	--
8	Faecal Coliform MPN/100ml	94	500 (Desirable) and 2500 (Max. Permissible)
9	Faecal Streptococci MPN/100ml	70	100 (Desirable) and 500 (Max. Permissible)

Arasalar River Water Quality Data - 2026			
Sl. No.	Parameters	January	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	05.01.2026	--
2	Time	06.40 A.M	--
3	Temp°C	26.0	--
4	pH	7.88	6.5-8.5
5	DO (mg/l)	4.8	5 or more
6	BOD (mg/l)	BDL (DL: 1.0)	3 or less
7	Total Coliform MPN/100 ml	280	--
8	Faecal Coliform MPN/100ml	70	500 (Desirable) and 2500 (Max. Permissible)
9	Faecal Streptococci MPN/100ml	58	100 (Desirable) and 500 (Max. Permissible)

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

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	Fodder Grass raising	6 MLD
	Coconut Plantation	
	Silk cotton trees	
	Natural recharging through impounding reservoir and letting out through Karuvadikuppam drain simultaneously.	9 MLD
Dubrayapet STP	To Pondy Marina Hotel	0.3 MLD
Kanaganeri STP	--	--
	Total	15.30 MLD