

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

SOUTHERN ZONE , CHENNAI

Original Application No.136 of 2025(SZ)

[Earlier O.A. No. 316/2025(PB)]

IN THE MATTER BETWEEN

**IN RE NEWS ITEM TITLED "FAECAL COLIFORM IN PUDUCHERRY'S
THENGAITHITTU KURUCHIKUPPAM BEACHES EXCEEDS SAFE LIMITS
APPEARING IN THE HINDU DATED 09.06.2025 VS CENTRAL POLLUTION
CONTROL BOARD MEMBER SECRETARY**

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Signed at 20th November 2025

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**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI**

ORIGINAL APPLICATION NO. 136 of 2025

**In re: News Item titled "Faecal coliform in Puducherry's Thengaithittu,
Kuruchikuppam beaches exceeds safe limits appearing in The Hindu dated 09.06.2025**

**SECOND REPORT FILED BY THE MEMBER SECRETARY, PUDUCHERRY
POLLUTION CONTROL COMMITTEE, ON THE INCIDENT OF ELEVATED LEVEL
OF FAECAL COLIFORM IN PUDUCHERRY THENGITHITTU, AND KURUCHIKUPPAM
BEACHES AND ACTION TAKEN REPORT IN THE MATTER OF OA NO 136 OF 2025**

1. Construction of Sewage Treatment Plants (STP)

To bridge the gap in sewage treatment, a 15 MLD Sequencing Batch Reactor (SBR)-based Sewage Treatment Plant is being constructed at a cost of ₹28.53 crore at Dubrayapet, Puducherry. 95% of the work has been completed and a trail run of the plant is scheduled. Only auxiliary works such as compound wall, landscaping, finishing, external electrification, lighting, internal roads etc. are remaining. Due to onset of the north east monsoon, the construction of STP could not be completed as scheduled for the month of September, 2025. It would commence the operation by December 2025.

11 MLD Sequencing Batch Reactor (SBR)-based Sewage Treatment Plant, along with a collection system has been constructed at a cost of 28.05 crore at Karaikal. 97% of the work has been completed and a trail run of the plant is scheduled. Only auxiliary works such as compound wall, finishing, external electrification, lighting, internal roads etc. are remaining. Due to onset of the north east monsoon, the construction of STP could not be completed as scheduled for the month of September, 2025. It would commence the operation by December 2025.

Dr. N. RAMESH
MEMBER SECRETARY
PUDUCHERRY POLLUTION
CONTROL COMMITTEE
PUDUCHERRY

N. Ramesh
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2. Under Ground Sewer Connection

A Joint Task Force, established under the Executive Engineer, PH, PWD, is actively working towards achieving 100% household connectivity in the sewered areas of Puducherry. Out of 76,491 households, 76,119 have already been connected to the Underground Drainage (UGD) system, and the remaining 372 households will be connected by January 2026. Currently, these households are served by septic tanks and soak pits as in-situ treatment systems. All commercial establishments, including hotels, restaurants, malls, and healthcare facilities, have been connected to the Underground Drainage System. The remaining roadside eateries and similar establishments will be identified and brought under UGD.

3. Action plan on Restoration of Chunnambar and Arasalar

Chunnambar in Puducherry and Arasalar in Karaikal have been identified as polluted water bodies by the CPCB. The Government of Puducherry has brought out action plans for the restoration of Chunnambar and Arasalar, and which are currently being implemented.

4. Status of Surface Water Quality

Water samples from surface water bodies such as Ousteri, Kanagan, Chunnambar, and Arasalar, Karaikal were collected on 06.10.2025, and the analysis report is included in Annexure-I. The reports show that the BOD values in Chunnambar, Kanagan Lake, and Arasalar are 2.8 mg/l, 3.3 mg/l, and below the detectable limit (BDL), respectively.

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5. Coastal Water Quality analysis

The coastal water samples from Thengaithittu, Kuruchikuppam, and Kalapet Beach were collected on 07.10.2025, and the analysis report is included in Annexure-II. The report shows that the fecal coliform levels are 70, 58, and 63 in Thengaithittu, Kuruchikuppam, and Kalapet Beach, respectively. These values meet the primary water quality criteria for Class SW-II waters (for bathing, contact water sports, and commercial fishing).

Date : 18.11.2025
Place : Pondicherry


(Dr. N. Ramesh)
Member Secretary
PPCC
Dr. N. RAMESH
MEMBER SECRETARY
PUDUCHERRY POLLUTION
CONTROL COMMITTEE
PUDUCHERRY

Surface Water Quality Data in Puducherry - October 2025

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River	Bahour Lake
	Station Code	1396	4634	1689	1686
1	Latitude	11.950528 N	11.935104 N	11.883585 N	11.829944 N
2	Longitude	79.746583 E	79.798522 E	79.787326 E	79.743139 E
3	Dt.of Sampling	06.10.2025	06.10.2025	06.10.2025	06.10.2025
4	Time	11.00 A.M	11.30 A.M	01.05 P.M	01.50 P.M
5	Temperature °C	30.0	30.0	32.0	32.5
6	DO mg/l	6.4	12.4	9.9	5
7	pH	8.12	8.41	8.97	7.87
8	Conductivity µmho/cm	331	858	1048	759
9	COD (mg/l)	52.2	36.1	48.2	56.2
10	BOD (mg/l)	3.5	3.3	2.8	2.5
11	Turbidity NTU	6.5	9.3	7.8	17.2
12	Nitrate -N (mg/l)	BDL (DL: 0.3)			
13	Nitrite-N (mg/l)	BDL (DL: 0.02)			
14	Nitrate (mg/l)	BDL			
15	P. Alkalinity (mg/l)	BDL (DL: 5)		27	BDL (DL: 5)
16	Total Alkalinity (mg/l)	126	155	237	260
17	Fluoride (mg/l)	0.47	0.42	0.83	0.82
18	Chloride (mg/l)	36.6	173.6	175.5	95.5
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO₃ (mg/l)	100	182.4	198.0	147.1
21	Calcium Hardness as CaCO₃ (mg/l)	58.8	129.4	103.9	102.0
22	Magnesium Hardness as CaCO₃ (mg/l)	41.2	53.0	94.1	45.1
23	Calcium as Ca⁺⁺ (mg/l)	23.5	51.8	41.6	40.8

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River	Bahour Lake
	Station Code	1396	4634	1689	1686
24	Magnesium as Mg ⁺⁺ (mg/l)	10	12.9	22.9	11.0
25	TDS (mg/l)	215	524	639	503
26	TSS (mg/l)	BDL (DL: 10)		10.0	37.0
27	FDS /TFS (mg/l)	120	288	358	301
28	Sodium (mg/l)	38.1	115	443.1	419.2
29	Potassium (mg/l)	10.9	13.8	11.8	11.1
30	Sulphate (mg/l)	BDL (DL: 5.0)	29.44	58.08	37.61
31	Ortho phosphate (mg/l)	0.2106	0.3009	0.3047	0.094
32	% Sodium	42.07	55.49	81.81	84.94
33	SAR	1.65	3.69	13.64	15.01
34	Total Coliform MPN/100 ml	350	350	920	540
35	Faecal Coliform MPN/100ml	210	70	140	110
36	Faecal Streptococci MPN/100ml	94	220	79	63

BDL - Below Detectable Limit; DL - Detection Limit

Surface Water Quality Data in Karaikal - October 2025		
Sl. No.	Parameters	Arasalar River
	Station Code	1685
1	Latitude	10.9095 N
2	Longitude	79.817833 E
3	Dt.of Sampling	06.10.2025
4	Time	06.30 A.M
5	Temperature °C	29.0
6	DO mg/l	5.1
7	pH	7.34
8	Conductivity µmho/cm	457
9	Turbidity NTU	5.6
10	COD (mg/l)	28.1
11	BOD (mg/l)	BDL (DL: 1)
12	Nitrate -N (mg/l)	BDL (DL: 0.3)
13	Nitrite -N (mg/l)	BDL (DL: 0.02)
14	Nitrate (mg/l)	BDL
15	Ammonia - N (mg/l)	BDL (DL: 0.4)
16	Fluoride (mg/l)	0.42
17	P. Alkalinity (mg/l)	BDL (DL:5)
18	Total Alkalinity (mg/l)	184
19	Chloride mg/l	49.2
20	Total Hardness mg/l	115.7
21	Calcium Hardness mg/l	64.7
22	Magnesium Hardness mg/l	51.0
23	Calcium as Ca⁺⁺ mg/l	25.9

Sl. No.	Parameters	Arasalar River
	Station Code	1685
24	Magnesium as Mg ⁺⁺ mg/l	12.4
25	TDS mg/l	254
26	TSS (mg/l)	BDL (DL: 10)
27	FDS/TFS mg/l	132
28	Sulphate (mg/l)	12.3
29	Ortho phosphate (mg/l)	0.23
30	Sodium mg/l	57.5
31	Potassium mg/l	10.4
32	% Sodium	49.13
33	SAR	2.32
34	Total Coliform MPN/100 ml	430
35	Faecal Coliform MPN/100ml	79
36	Faecal Streptococci MPN/100ml	94

BDL - Below Detection Limit
DL - Detection Limit

Coastal Water Quality Data in Puducherry for Oct - Dec 2025 Quarter

Sl. No.	Parameters	Thengaithittu Beach	Kuruchikuppam Beach	Kalapet Kuppam Beach	Primary Water Quality criteria for Class SW-II Waters (For bathing, contact water sports and commercial fishing)
1.	Station Code	5689	5688	5687	-
2.	Date of Sampling	07.10.2025	07.10.2025	07.10.2025	-
3.	Latitude	11.906542	11.939611	12.033225	-
4.	Longitude	79.8339	79.844453	79.870228	-
5.	Time	11.30 A.M	12.15 P.M	01.00 P.M	-
6.	Temperature°C	31.0	31.0	31.0	-
7.	pH	8.05	7.97	7.99	6.5-8.5
8.	Turbidity NTU	3.3	2.7	4.5	30 NTU
9.	BOD mg/l	BDL (DL:1.0)	1.0	1.3	3 mg/l
10.	DO mg/l	5.9	6.0	6.1	4.0 mg/l or 50 percent saturation value whichever is higher.
11.	Total Coliform MPN/100ml	540	350	430	-
12.	Faecal Coliform MPN/100ml	70	58	63	100/100 ml (MPN)
13.	Faecal Streptococci MPN/100ml	120	110	94	-

BDL - Below Detection Limit
DL - Detection Limit

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REPORT

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