

Surface Water Quality Data in Puducherry - NOVEMBER 2024				
Sl. No.	Parameters	Chunnambar River	Bahour Lake	Ousteri Lake
	Station Code	1689	1686	1396
1	Latitude	11.883585 N	11.829944 N	11.950528 N
2	Longitude	79.787326 E	79.743139 E	79.746583 E
3	Dt.of Sampling	04.11.2024	04.11.2024	04.11.2024
4	Time	11.15 A.M	12.20 P.M	02.00 P.M
5	Temperature °C	30.0	30.0	30.0
6	DO mg/l	10.6	4.5	5.6
7	pH	8.26	7.4	7.59
8	Conductivity µmho/cm	1082	763	514
9	COD (mg/l)	44.2	36.1	32.1
10	BOD (mg/l)	5	2.0	2.3
11	Turbidity NTU	3.2	1.3	2.5
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)	8	BDL (DL:5.0)	
16	Total Alkalinity (mg/l)	210	200	101
17	Chloride (mg/l)	154.9	76.0	72.2
18	Ammonia -N (mg/l)	BDL (DL:0.4)		
19	Total Hardness as CaCO ₃ (mg/l)	204.0	134.0	112.0
20	Calcium Hardness as CaCO ₃ (mg/l)	162	82	46
21	Magnesium Hardness as CaCO ₃ (mg/l)	42	52	66
22	Calcium as Ca ⁺⁺ (mg/l)	64.8	32.8	18.4

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23	Magnesium as Mg ⁺⁺ (mg/l)	10.2	12.6	16
24	TDS (mg/l)	652.0	430.0	303.0
25	TSS (mg/l)	28.0	17.0	BDL (DL:10)
26	FDS /TFS (mg/l)	485.0	301.0	226.0
27	Sodium (mg/l)	176.4	106.02	61.23
28	Potassium (mg/l)	4.33	2.43	3.78
29	Fluoride (mg/l)	1.34	1.37	1.56
30	Sulphate (mg/l)	9.69	5.06	BDL (DL:5.0)
31	Ortho phosphate (mg/l)	0.76	BDL (DL:0.05)	0.13
32	% Sodium	64.61	62.61	53.08
33	SAR	5.40	4.0	2.5
34	Total Coliform MPN/100 ml	79	920	>1600
35	Faecal Coliform MPN/100ml	27	920	>1600
36	Faecal Streptococci MPN/100ml	140	84	63

BDL - Below Detectable Limit; DL - Detection Limit