

Ground Water Quality Data in Puducherry during Post- Monsoon 2025																							
Sl. No	Parameters	Muthirapalayam	Mettupalayam	Maruti school	Krishna nagar	Chetty koil	Chevaliar school	Pondicherry University	Thengaithittu	Kurumapet	Panithittu	Eachangadu	Bahour Borewell	Uruvaiyar	Madukarai	Kothapurinatham	Thirukanur	Katterikuppam	Sedarapet	Acceptable Limit (IS 10500 : 2012)	Permissible limit (IS 10500 : 2012)		
	Station Code	1453	2010	2012	1397	1687	3884	1454	1398	2009	4633	3882	3883	2011	4632	3886	4631	1688	3885				
1	Latitude (N)	11.938128	11.943233	11.967997	11.953022	11.936917	12.038022	12.017064	11.910344	11.930503	11.829497	11.821469	11.813551	11.886886	11.871408	11.9305	11.991119	12.004731	11.990417				
2	Longitude (E)	79.779925	79.785456	79.817231	79.820189	79.831028	78.865722	79.850761	79.817528	79.761528	79.803069	79.796228	79.746173	79.748529	79.603708	79.661694	79.639742	79.700811	79.755278				
3	Dt.of Sampling	03.02.2025	03.02.2025	03.02.2025	03.02.2025	03.02.2025	03.02.2025	03.02.2025	03.02.2025	03.02.2025	04.02.2025	04.02.2025	04.02.2025	04.02.2025	04.02.2025	04.02.2025	04.02.2025	04.02.2025	04.02.2025				
4	Time	10.30 A.M	10.45 A.M	11.30 A.M	11.45 A.M	12.10 P.M	01.00 P.M	01.30 P.M	02.15 P.M	03.05 P.M	11.10 A.M	11.30 A.M	12.05 P.M	12.50 P.M	02.30 P.M	02.55 P.M	04.00 P.M	04.45 P.M	05.30 P.M				
5	Temperature °C	28.0	29.0	28.0	29.0	29.0	29.0	29.0	29.0	29.0	28.0	30.0	30.0	30.0	29.5	30.0	30.5	30.0	30.0				
6	pH	6.34	6.12	6.10	6.02	7.15	6.60	5.90	6.74	6.23	6.07	6.15	6.59	7.43	7.04	6.83	6.60	7.03	6.93	6.5 - 8.5	NR		
7	Conductivity µmho/cm	847	1139	2120	1516	1990	1025	560	3960	614	1039	497	420	2720	1743	1163	1110	791	1408				
8	COD (mg/l)	BDL																					
9	Turbidity NTU	BDL (DL:1.0)	4.3	1.3	BDL (DL:1.0)			4.2	BDL (DL:1.0)		BDL	1.9	BDL (DL:1.0)							1	5		
10	Nitrate -N (mg/l)	1.22	BDL (DL:0.3)		2.48	1.85	1.67	BDL (DL:0.3)		1.76	BDL (DL:0.3)				2.78	1.97	1.81	1.36	1.48				
11	Nitrite-N (mg/l)	BDL (DL:0.02)				0.12		BDL (DL:0.02)															
12	Nitrate (mg/l)	5.41	BDL		10.99	8.18	7.4	BDL		7.81	BDL				12.31	8.71	8.02	6.01	6.55	45	NR		
13	Ammonia-N (mg/l)	BDL (DL: 0.4)																					
14	BOD (mg/l)	BDL (DL:1.0)																					
15	Fluoride (mg/l)	BDL (DL:0.2)		0.3	0.3	0.3	BDL (DL:0.2)					0.5	0.3	BDL (DL:0.2)			0.4	0.2	0.6	1	1.5		
16	P. Alkalinity (mg/l)	BDL (DL:5.0)																					
17	Total Alkalinity (mg/l)	156	105	166	61	303	127	59	222	119	141	133	123	204	343	299	255	249	246	200	600		
18	Chloride (mg/l)	92.2	74.7	437.5	291.0	343.4	166.8	50.4	952.5	72.8	178.6	43.2	22.1	586.6	211.2	88.3	112.3	40.3	121.9	250	1000		
19	Total Hardness as CaCO ₃ (mg/l)	262	302	428	374	448	260	142	662	194	238	160	120	534	424	362	368	364	512	200	600		

[illegible]

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	Station Code	1453	2010	2012	1397	1687	3884	1454	1398	2009	4633	3882	3883	2011	4632	3886	4631	1688	3885			
51	op DDE µg/l	BDL																				
52	pp DDE µg/l	BDL																				
53	Dieldrin µg/l	BDL																				
54	Ethion µg/l	BDL																				
55	Endosulfan sulfate µg/l	BDL																				
56	pp DDT µg/l	BDL																				
57	Copper (mg/l)	BDL (DL: 0.02)																			0.05	1.5
58	Nickel (mg/l)	BDL (DL: 0.005)																			0.02	NR
59	Cadmium (mg/l)	BDL (DL: 0.001)																			0.003	NR
60	Lead (mg/l)	BDL (DL: 0.005)																			0.01	NR
61	Total Chromium (mg/l)	BDL (DL: 0.02)																			0.05	NR
62	Iron (mg/l)	BDL(DL:0.01)	0.29	0.04	BDL	0.06	BDL	1.80	0.09	0.08	0.22	0.36	0.21	0.07	BDL	0.07	0.28	0.62	0.25	0.3	NR	
63	Zinc (mg/l)	BDL (DL: 0.05)																			5	15
64	Arsenic (mg/l)	BDL (DL: 0.005)																			0.01	0.05
65	Mercury (mg/l)	BDL (DL: 0.004)																			0.001	NR

BDL - Below Detection Limit DL - Detection Limit

NR - No Relaxation