

Sl. No	Parameters	Thengaittittu	Panithittu	Eachangadu	Bahour Borewell	Madukarai	Kothapurinatham	Uruvaiyar	Kurumapet	Chetty koil	Krishna nagar	Maruti school	Chevaliar school	Sedarapet	Katterikuppam	Thirukanur	Muthirapalayam	Metupalayam	Pondicherry University	Acceptable Limit (IS 10500 : 2012)	Permissible limit (IS 10500 : 2012)
	Station Code	1398	4633	3882	3883	4632	3886	2011	2009	1687	1397	2012	3884	3885	1688	4631	1453	2010	1454		
18	Total Alkalinity (mg/l)	172	166	160	143	444	372	246	137	302	76.0	182.00	152	308.0	334.0	296.0	156.0	132.0	67	200	600
19	Chloride (mg/l)	419.87	209.93	40.99	22.99	433.86	131.96	537.83	154.95	249.1	106.2	217.4	222.93	135.0	61.5	112.2	76.4	70.5	61.98	250	1000
20	Total Hardness as CaCO ₃ (mg/l)	380	188	140	90	416	274	460	154	420	212	304	246	552	330	294	182	292	92	200	600
21	Calcium Hardness as CaCO ₃ (mg/l)	246	128	98	62	282	184	292	124	334	152	178	180	438	166	192	142	234	70		
22	Magnesium Hardness as CaCO ₃ (mg/l)	134	60	42	28	134	90	168	30	86	60	126	66	114	164	102	40	58	22		
23	Calcium as Ca ⁺⁺ (mg/l)	98.4	51.2	39.2	24.8	112.8	73.6	116.8	49.6	133.6	60.8	71.2	72.0	175.2	66.4	76.8	56.8	93.6	28.0	75	200
24	Magnesium as Mg ⁺⁺ (mg/l)	32.6	14.6	10.2	6.8	32.6	21.9	40.8	7.3	20.9	14.6	30.6	16	27.7	39.9	24.8	9.7	14.1	5.3	30	100
25	TDS (mg/l)	1209	483	265	206	1100	647	1512	401	1143	627	1141	640	1150	437	624	494	955	292	500	2000
26	TSS (mg/l)	BDL (DL : 10.0)																			
27	FDS / TFS (mg/l)	664	303	128	66	804	408	973	174	842	244	641	313	740	135	354	180	624	58		
28	Sodium (mg/l)	210.1	112.6	40.9	44.4	291.7	133.1	358.3	57.5	214.4	68.7	268.6	79.9	115.1	14.8	89.6	60.1	108.9	32.5		
29	Potassium (mg/l)	4.7	4.2	3.1	2.0	3.2	6.4	5.0	9.6	41.4	6.2	12.9	4.3	1.7	3.9	3.4	3.7	4.0	1.3		
30	Hexavalent Chromium (mg/l)	BDL (DL : 0.05)																			
31	Sulphate (mg/l)	36.32	36.06	24.78	20.66	114.00	75.21	112.22	33.75	141.28	110.64	137.02	24.12	103.83	112.34	119.15	92.77	120.85	20.79	200	400

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	Station Code	1398	4633	3882	3883	4632	3886	2011	2009	1687	1397	2012	3884	3885	1688	4631	1453	2010	1454		
32	Ortho phosphate (mg/l)	BDL (DL : 0.05)	0.07	0.09	0.11	0.13	0.54	0.49	0.50	2.33	BDL (DL : 0.05)		0.5	BDL (DL : 0.05							
33	% Sodium	54.08	55.76	38.10	50.96	60.05	50.51	62.45	42.85	49.57	14.12	64.45	40.79	31.05	8.71	39.39	41.11	44.28	42.98		
34	SAR	4.7	3.6	1.5	2.0	6.2	3.5	7.2	2.0	4.5	0.5	6.7	2.2	2.1	0.4	2.3	1.9	2.8	1.50		
35	Alpha HCH µg/l	BDL																			
36	Gamma HCH µg/l	BDL																			
37	Detla HCH µg/l	BDL																			
38	Methyl Parathion µg/l	BDL																			
39	Alachor µg/l	BDL																			
40	Aldrin µg/l	BDL																			
41	Malathion µg/l	BDL																			
42	Chlorpyrifos µg/l	BDL																			
43	Alpha Endosulfan µg/l	BDL																			
44	Butachlor µg/l	BDL																			
45	Beta Endosulfan µg/l	BDL																			

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46	Phorate µg/l	BDL																			
47	op DDT µg/l	BDL																			
48	op DDD µg/l	BDL																			
49	pp DDD µg/l	BDL																			
50	op DDE µg/l	BDL																			
51	pp DDE µg/l	BDL																			
52	Dieldrin µg/l	BDL																			
53	Ethion µg/l	BDL																			
54	Endosulfan sulfate µg/l	BDL																			
55	pp DDT µg/l	BDL																			
56	Copper (mg/l)	BDL (DL : 0.01)																		0.05	1.5
57	Nickel (mg/l)	BDL (DL : 0.01)																		0.02	NR
58	Cadmium (mg/l)	BDL (DL : 0.001)																		0.003	NR

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Station Code		1398	4633	3882	3883	4632	3886	2011	2009	1687	1397	2012	3884	3885	1688	4631	1453	2010	1454			
59	Lead (mg/l)	BDL (DL : 0.005)																		0.01	NR	
60	Total Chromium (mg/l)	BDL (DL : 0.01)																		0.05	NR	
61	Iron (mg/l)	0.030	0.027	0.035	0.045	BDL (DL : 0.02)				0.026	0.066	BDL (DL : 0.02)		0.065	0.056	0.022	BDL (DL : 0.02)	0.196	BDL (DL : 0.02)	0.3	NR	
62	Zinc (mg/l)	BDL (DL : 0.1)										0.104		BDL (DL : 0.1)							5	15
63	Arsenic (mg/l)	BDL (DL : 0.005)																		0.01	0.05	
64	Mercury (mg/l)	BDL (DL : 0. 0005)																				

BDL - Below Detection Limit DL - Detection Limit

NR - No Relaxation