

S.No	Parameters	Muthirapalayam	Kurumapet	Uruvaiyar	Bahour Borewell	Eachangadu	Panithittu	Sedarapet	Katterikuppam	Thirukanur	Madukarai	Kothapurinathar	Maruti school	Chetty koil	Krishna nagar	Pondicherry University	Chevaliar school	Mettupalayam	Thengaitittu	Acceptable Limit (IS 10500 : 2012)	Permissible limit (IS 10500 : 2012)
Station Code		1453	2009	2011	3883	3882	4633	3885	1688	4631	4632	3886	2012	1687	1397	1454	3884	2010	1398		
16	Total Alkalinity (mg/l)	161.6	135.3	292.7	147.5	133.3	175.7	292	358	350	460	454	250	374	56	62	166	84	186	200	600
17	Chloride (mg/l)	85.5	77.9	388.6	23.7	35.1	121.6	114	30.4	133	123.5	111.1	554.8	355.3	92.1	46.5	263.2	93.1	495.9	250	1000
18	Total Hardness as CaCO ₃ (mg/l)	184	168	402	100.0	158	180	373.7	325.2	363.6	406.1	406.1	438.4	424.2	216.2	141.4	357.6	191.9	442.4	200	600
19	Calcium Hardness as CaCO ₃ (mg/l)	152.0	122.0	250.0	56.0	104.0	124.0	222.2	163.6	212.1	301.0	270.7	224.2	333.3	149.5	121.2	286.9	123.2	246.5		
20	Magnesium Hardness as CaCO ₃ (mg/l)	32.0	46.0	152.0	44.0	54.0	56.0	151.5	161.6	151.5	105.1	135.4	214.2	90.9	66.7	20.2	70.7	68.7	195.9		
21	Calcium as Ca ⁺⁺ (mg/l)	60.8	48.8	100.0	22.4	41.6	49.6	88.88	65.44	84.84	120.4	108.28	89.68	133.32	59.8	48.5	114.76	49.28	98.6	75	200
22	Magnesium as Mg ⁺⁺ (mg/l)	7.8	11.2	36.9	10.7	13.1	13.6	36.8	39.27	36.8	25.54	32.9	52.05	22.09	16.21	4.90	17.2	16.69	47.6	30	100
23	TDS (mg/l)	497	465	1309	168	268	437	746	475	749	671	734	1648	1286	611	162	939	498	1283	500	2000
24	TSS (mg/l)	BDL (DL-10)											24	BDL (DL-10)		15	BDL(DL-10)	33	BDL (DL-10)		
25	FDS / TFS (mg/l)	370	323	1034	76	152	252	485	348	591	517	499	1321	933	463	94	642	302	847		
26	Sodium (mg/l)	60.9	49.3	248.6	41.6	35.5	80.3	91.4	24.9	94.6	236.0	118.1	343.6	237.7	53.1	27.7	103.4	52.7	225.6		
27	Potassium (mg/l)	3.6	7.0	3.7	1.7	3.3	3.9	0.6	3.9	3.4	3.0	6.9	16.4	38.6	6.4	4.0	0.3	2.5	7.0		
28	Hexavalent Chromium (mg/l)	BDL																			
29	Sulphate (mg/l)	47.6	35.1	97.2	19.5	28.9	28.8	207.1	21.6	46.3	98.6	86.9	82.8	99.1	108.7	16.3	64.5	87.6	54.7	200	400

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Station Code		1453	2009	2011	3883	3882	4633	3885	1688	4631	4632	3886	2012	1687	1397	1454	3884	2010	1398		
30	Ortho phosphate (mg/l)	0.30	0.24	0.27	0.17	0.18	0.18	0.11	0.14	0.12	0.17	0.5	0.11	1.24	BDL (DL-0.05)			0.33	0.1		
31	% Sodium	41.18	37.63	56.95	46.81	32.16	48.46	34.55	14.01	35.74	55.52	38.14	61.77	52.11	33.89	29.11	38.51	36.90	51.94		
32	SAR	1.90	1.70	5.40	1.80	1.20	2.60	2.10	0.60	2.20	5.10	2.50	7.10	5.00	1.60	1.00	2.40	1.70	4.70		
33	Gamma BHC µg/L	BDL(DL-0.05)																			
34	OP DDT µg/L	BDL(DL-0.05)																			
35	PP DDT µg/L	BDL(DL-0.05)																			
36	PP DDD µg/L	BDL																			
37	PP DDE µg/L	BDL(DL-0.05)																			
38	Alpha Endosulphan µg/L	BDL(DL-0.05)																			
39	Beta Endosulphan µg/L	BDL(DL-0.05)																			
40	Chloropyriphos µg/L	BDL(DL-0.50)																			
41	Butachlor µg/L	BDL(DL-0.01)																			
42	Alachlor µg/L	BDL(DL-0.01)																			
43	Atrazine µg/L	BDL(DL-0.01)																			
44	Aldrin µg/L	BDL(DL-0.05)																			

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Station Code		1453	2009	2011	3883	3882	4633	3885	1688	4631	4632	3886	2012	1687	1397	1454	3884	2010	1398		
45	Dieldrin µg/L	BDL(DL-0.05)																			
46	Monochorotophos µg/L	BDL																			
47	Ethion µg/L	BDL(DL-0.50)																			
48	Phorate µg/L	BDL																			
49	2,4-D µg/L	BDL(DL-1.52)																			
50	Isoproturon µg/L	BDL																			
51	Methyl Parathion µg/L	BDL(DL-0.50)																			
52	Malathion µg/L	BDL(DL-0.50)																			
53	Heptachlor µg/L	BDL																			
54	Chlorandane µg/L	BDL																			
55	Carbaryl (Carbamate) µg/L	BDL(DL-0.01)																			
56	Alpha HCH µg/L	BDL (DL-0.05)																			
57	Beta HCH µg/L	BDL (DL-0.05)																			
58	Copper (mg/l)	0.020	0.024	BDL (DL-0.01)		0.163	BDL (DL-0.01)		0.213	0.045	BDL (DL-0.01)		0.020	BDL (DL-0.01)		0.0296	0.061	0.476	1.06	0.05	1.5
59	Nickel (mg/l)	BDL (DL-0.01)																		0.02	NR
60	Cadmium (mg/l)	BDL (DL-0.001)																		0.003	NR

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Station Code		1453	2009	2011	3883	3882	4633	3885	1688	4631	4632	3886	2012	1687	1397	1454	3884	2010	1398		
61	Lead (mg/l)	BDL (DL-0.005)																		0.01	NR
62	Total Chromium (mg/l)	BDL (DL-0.01)																		0.05	NR
63	Iron (mg/l)	BDL (DL-0.02)	0.08	BDL (DL-0.02)	0.24	0.56	BDL (DL-0.02)	0.09	0.07	0.03	0.024	0.10	0.57	0.08	BDL (DL-0.02)	0.34	0.39	0.86	1.67	0.3	NR
64	Zinc (mg/l)	BDL (DL-0.1)				0.341	BDL (DL-0.1)		0.365	BDL (DL-0.1)							0.2	1.036	0.815	5	15
65	Arsenic (mg/l)	BDL (DL-0.005)																		0.01	0.05
66	Mercury (mg/l)	BDL (DL-0.0005)																		0.001	NR

BDL - Below Detection Limit

DL - Detection Limit

NR - No Relaxation