

Ground Water Quality Data in Puducherry During Post Monsoon 2020																					
Sl. No	Parameters	Thengaithittu	Eachangadu	Uruvaiyar	Chevaliar school	Maruti school	Krishna nagar	Chetty koil	Katterikuppam	Kurumapet	Muthirapalayam	Mettupalayam	Sedarapet	Kothapurinatham	Bahour Borewell	Panithittu	Madukarai	Thirukanur	Pondy University	Acceptable Limit (IS 10500 : 2012)	Permissible limit (IS 10500 : 2012)
Station Code		1398	3882	2011	3884	2012	1397	1687	1688	2009	1453	2010	3885	3886	3883	4633	4632	4631	1454		
1	Dt.of Sampling	27.01.2020	27.01.2020	27.01.2020	28.01.2020	28.01.2020	28.01.2020	28.01.2020	27.01.2020	27.01.2020	27.01.2020	19.02.2020	27.01.2020	27.01.2020	27.01.2020	27.01.2020	27.01.2020	27.01.2020	28.01.2020		
2	Time	10.50 A.M	12.15 P.M	02.20 P.M	12.00 P.M	12.30 P.M	01.00 P.M	10.15 A.M	12.15 P.M	04.20 P.M	04.45 P.M	12.30 P.M	03.45 P.M	02.30 P.M	01.15 P.M	12.00 P.M.	10.40 A.M	11.30 A.M	11.20 A.M		
3	Temperature °C	30	31.5	31	30	31	31	28	31	30.5	30	30	31	31	28.5	31	29	30	30		
4	pH	7.29	6.51	7.29	6.68	6.53	6.08	7.39	7.51	6.29	6.47	6.85	6.94	7.24	7.17	6.77	7.43	7.73	6.15	6.5 - 8.5	NR
5	Conductivity µmho/cm	2360	1107	1697	1267	2600	602	2400	698	595	652	902	1406	1368	393	798	1503	1108	275		
6	COD (mg/l)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
7	BOD (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
8	Turbidity NTU	3.4	1.1	0	0	4.9	0	0	0	0	0	0	0	0	1.1	0.4	0	0	0	1	5
9	Nitrate -N (mg/l)	0.2812	0.0304	0.0759	12.6855	0.2346	7.7294	0.9966	0.4117	3.0354	3.6074	0.2155	0.3484	3.8904	0.0832	0.0578	5.8629	1.9709	1.5487		
10	Nitrite-N (mg/l)	0.0015	0.0028	0.0009	0.0006	0.0097	0.0009	0.005	0.0019	0.0009	0.0047	0.0009	0.0006	0.0009	0.0006	0.0015	0.0003	0.0009	0.0009		
11	Nitrate (mg/l)	1.2451	0.1346	0.3361	56.171	1.0388	34.2258	4.4129	1.823	13.4407	15.9736	0.9542	1.5427	17.2267	0.3684	0.2559	25.9609	8.7271	6.8576	45	NR
12	Ammonia (NH3-N) mg/L	BDL	BDL	BDL	BDL	0.97	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
13	Bi- Carbonate as CaCO ₃ (mg/l)	314.8	192.8	312.3	97.6	287.9	97.6	519.8	392.8	156.2	183.0	158.6	388.0	534.4	175.7	209.8	507.5	397.7	70.8	200	600

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14	Carbonate as CaCO ₃ (mg/l)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
15	Chloride (mg/l)	486.4	95	327.8	229	583.3	59.8	438.9	34.2	70.3	76.9	71.2	131.1	115.9	23.7	137.8	194.8	133	42.7	250	1000
16	Total Hardness (mg/l)	512	266	352	224	570	140	540	182	138	170	244	418	408	118	212	306	272	66	200	600
17	Calcium hardness (mg/l)	430	248	306	186	496	132	472.0	164.0	122	158	150	358	400	102	176	278	242	40		
18	Magnesium hardness (mg/l)	82	18	46	38	74	8	68	18	16	12	94	60	8	16	36	28	30	26		
19	Calcium as Ca++ (mg/l)	172.0	99.2	122.4	74.4	198.4	52.8	188.8	65.6	48.8	63.2	60	143.2	160	40.8	70.4	111.2	96.8	16.0	75	200
20	Magnesium as Mg++ (mg/l)	19.9	4.4	11.2	9.2	18	1.9	16.5	4.4	3.9	2.9	22.8	14.6	1.9	3.9	8.7	6.8	7.3	6.3	30	100
21	TDS (mg/l)	1554	738	1022	733	1473	376	1413	457	350	489	598	940	879	177	418	824	722	175	500	2000
22	TSS (mg/l)	12	5	BDL	6	13	BDL	8	BDL	BDL	5	BDL	4	BDL	4	5	BDL	BDL	7		
23	FDS / TFS (mg/l)	1087	510	737	559	1003	251	1119	368	191	305	426	705	676	38	169	718	567	88		
24	Sodium (mg/l)	220.4	95.6	214	117.4	309.4	28	222.2	26.6	33.8	46.5	74.7	116	116.5	25.8	80.8	145.8	86.9	4.7		
25	Potassium (mg/l)	4.2	4.9	3.9	4.3	19.1	6.3	48.8	4.6	7.2	3.9	3.8	4.1	8.2	1.7	4.3	3.2	3.6	0.3		
26	Hexavalent Chromium (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
27	Sulphate (mg/l)	161	25.4	171	123	188	76	105	32.8	67	47	259	335	87	27	37	109	58	13.4	200	400
28	Ortho phosphate (mg/l)	0.3908	0.053	0.2947	0.043	0.1391	0.0795	1.5201	0.096	0.3875	0.0397	0.053	0.0563	0.6027	0.1656	0.1291	0.1457	0.0993	0.1623		

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63	Cadmium mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.003	NR
64	Lead mg/L	BDL	BDL	BDL	BDL	0.0063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.01	NR
65	Total Chromium mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05	NR
66	Iron mg/L	1.07	0.265	0.073	0.023	0.165	0.02	0.038	0.025	0.035	0.032	0.076	0.048	0.030	0.579	0.241	0.026	0.029	0.028	0.3	NR
67	Zinc mg/L	BDL	BDL	0.067	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.12	BDL	BDL	0.315	BDL	BDL	BDL	BDL	5	15
68	Arsenic mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.01	0.05
69	Mercury mg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.001	NR

NR - No Relaxation

BDL - Below Detectable Limit