

Quality of open well water in Mahe region - 2021

Sl.No.	Parameters	Pallur open well	Pandakkal open well
	Station Code	2446	2447
1	Latlong Value	11°43'58.06"	11°45'40.24"
		75°32'16.95"	75°32'13.02"
2	Dt.Of Sampling	23.11.2021	23.11.2021
3	Time	10.20AM	10.45AM
4	Temperature °C	28.0°C	29.0°C
5	DO mg/l	-	-
6	pH	5.31	5.02
7	Conductivity µmho/cm	289	83
8	BOD mg/l	BDL(DL-1)	BDL(DL-1)
9	Nitrate - N mg/l	BDL(DL-0.3)	BDL(DL-0.3)
10	Nitrate mg/l	0.027	0.004
11	Nitrite - N mg/l	BDL(DL-0.02)	BDL(DL-0.02)
12	P & R Ratio	-	-
13	Turbidity NTU	BDL(DL-1)	BDL(DL-1)
14	Bi- Carbonate as CaCO ₃ mg/l	27	22
15	Bi- Carbonate as HCO ₃ ⁻ mg/l	33.48	26.3
16	Carbonate as CaCO ₃ mg/l	BDL	BDL
17	Chloride mg/l	51.6	18.9
18	COD mg/l	BDL	BDL
19	Hardness as CaCO ₃ mg/l	70.0	20.0
20	Calcium as CaCO ₃ mg/l	52.0	12.0
21	Calcium as Ca ⁺⁺ mg/l	20.8	4.8
22	Magnesium as CaCO ₃ mg/l	18.0	8.0
23	Magnesium as Mg ⁺⁺ mg/l	4.4	1.9
24	Sulphate mg/l	22.31	6.52
25	Orthophosphate as PO ₄ ³⁻ -P mg/l	BDL(DL-0.05)	BDL(DL-0.05)
26	TDS mg/l	190.0	51.0
27	TSS mg/l	BDL(DL-10)	BDL(DL-10)
28	FDS mg/l	36.0	13.0
29	Ammonia - N mg/l	BDL(DL-0.4)	BDL(DL-0.4)
30	Sodium mg/l	24.74	5.64
31	Potassium mg/l	6.42	BDL(DL-1.0)
32	Hexavalent Chromium mg/l	BDL	BDL
33	% Sodium	40.67	36.79
34	SAR	1.3	0.5
35	Arsenic mg/l	BDL (DL-0.005)	
36	Cadmium mg/l	BDL (DL-0.001)	
37	Copper mg/l	BDL (DL-0.01)	
38	Lead mg/l	BDL (DL-0.005)	
39	Total Chromium mg/l	BDL (DL-0.01)	
40	Mercury mg/l	BDL (DL-0.0005)	
41	Nickel mg/l	BDL (DL-0.01)	
42	Zinc mg/l	0.030	0.021
43	Iron mg/l	0.25	0.22

BDL - Below Detectable Limit; DL - Detection Limit