

Table 3: Values of different Chemical and Biological Parameters of water samples.

Parameters		Total Hardness (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sulphate (mg/L)	Nitrate (mg/L)	DO (mg/L)	BOD (mg/L)	Coliform (MPN/100 mL)	
BIS - 10500 Drinking Water Quality Standards	H. D.	500	250	0.60	75	30	200	45	4.0	1.0	10	
	M. P.	600	1000	1.20	200	100	400	100	6.0	-	-	
SAMPLES	S1	HP W	209	59.60	0.55	132.33	21.14	31.45	21.31	6.1	0.0	6.33
		TW	599	91.51	0.30	207.33	38.81	54.76	19.05	6.8	0.0	4.66
	S2	HP W	256	51.33	0.47	199.66	30.43	63.85	31.00	4.6	0.51	16.66
		TW	199	247.67	0.21	137.53	18.99	53.80	23.76	3.9	0.0	19.00
	S3	HP W	380	233.21	0.31	99.33	25.45	45.21	17.67	5.1	0.0	9.33
		TW	412	251.77	0.59	156.66	27.32	21.52	53.55	4.9	0.0	11.33
	S4	HP W	219	99.40	0.17	102.99	42.21	39.82	39.36	5.2	0.0	17.66
		TW	645	101.83	0.23	111.33	26.65	37.66	24.89	4.5	0.0	14.33
	S5	HP W	637	345.61	0.44	189.66	22.42	55.33	49.15	4.8	0.0	5.33
		TW	481	241.9	0.35	121.33	33.98	41.66	32.84	4.1	0.0	4.99

H. D. = Highest Desirable, M. P. = Maximum Permissible, HPW = Hand Pump Water, TW = Tap Water