

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 28/01/15)**

Parameters	Desirable Limit	Maximum Limit	P1	P2B	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.2	7.4	7.2	7.3	7.2	7.3	7.4	7.4	7.3	7.5
TDS (mg/l)	500	2000	453	380	410	363	650	761	580	671	750	373
Hardness (as CaCO ₃) (mg/l)	300	600	150	170	160	150	140	150	170	180	160	170
Alkalinity (as CaCO ₃) (mg/l)	200	600	200	220	210	200	220	250	220	180	210	220
Nitrate (mg/l)	50	No relaxation	0.2	0.25	0.22	0.28	0.21	0.24	0.21	0.26	0.27	0.24
Sulfate (mg/l)	200	400	22	25	28	21	25	40	30	28	29	32
Fluoride (mg/l)	1	1.5	0.73	0.75	0.73	0.47	0.8	0.31	0.51	0.43	0.38	0.42
Chloride (mg/l)	250	1000	80	55	120	135	220	150	120	142	132	128
Turbidity (NTU)	5	10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Arsenic (mg/l)	0.01	No relaxation	0.001	0.0017	0.0058	0.0027	0.003	0.002	0.0018	0.0020	0.0020	0.0032
Copper (mg/l)	0.05	1.5	0.0049	0.00043	0.0003	0.0003	0.0002	0.00023	0.0002	0.0001	BDL	0.00047
Cadmium (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0019	0.00036	0.0009	0.0012	0.002	0.0017	0.0013	0.002	0.0012	0.0014
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.157	0.191	0.149	0.179	0.127	0.297	0.245	0.227	0.247	0.139
Zinc (mg/l)	5	15	0.017	0.026	0.026	0.0019	BDL	0.022	0.0097	0.0076	0.00006	0.002
Fecal Coliform (cfu)	0	0	0	0	0	0	0	0	0	0	0	0
E. Coli (cfu)	0	0	0	0	0	0	0	0	0	0	0	0

BDL Below Detection Limit; NTU – Nephelometric Turbidity Unit; cfu - Colony forming Units in 100 ml of the sample

Detection Limits Limits Pb 0.0001 mg/l, Cu 0.0001 mg/l, Cr 0.0005 mg/l, Fe 0.0001 mg/l, Cd 0.0004 mg/l, As 0.0001 mg/l, Zn 0.0005 mg/l