

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 28/01/16)**

Parameters	Permissible Limit	Maximum Limit	P1	P2	P3	P4	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	8.29	7.72	8.31	8.27	7.92	7.95	7.82	7.85	8.39
TDS (mg/l)	500	2000	470	362	451	451	745	596	596	671	386
Hardness (as CaCO ₃) (mg/l)	300	600	160	210	70	190	280	400	250	200	110
Alkalinity (as CaCO ₃) (mg/l)	200	600	230	320	160	110	100	230	200	390	210
Nitrate (mg/l)	50	No relaxation	0.072	0.496	0.167	0.197	0.170	0.309	0.897	0.151	0.174
Sulfate (mg/l)	200	400	58.21	49.36	55.47	52.63	101.47	74.94	98.52	71.57	56.42
Fluoride (mg/l)	1	1.5	0.88	0.95	0.93	0.90	0.91	0.96	0.93	0.92	0.91
Chloride (mg/l)	250	1000	155	190	130	290	320	245	130	290	125
Turbidity (NTU)	5	10	0.001	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0022	0.0013	0.0021	0.0013	0.0021	0.0020	0.0019	0.0020	0.0024
Copper (mg/l)	0.05	1.5	BDL	BDL	0.0021	BDL	BDL	BDL	BDL	BDL	BDL
Cadmium (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0021	0.0050	0.0039	0.0023	0.0031	0.0029	0.0012	0.0019	0.0063
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.22	0.23	0.22	0.21	0.160	0.21	0.14	0.10	0.12
Zinc (mg/l)	5	15	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fecal Coliform (cfu)	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

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

Detection 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

