

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 25/11/14)**

Parameters	DesirableLimit	Maximum Limit	P1	P2B	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.32	7.42	7.8	7.55	7.21	7.78	7.5	7.43	7.82	7.65
TDS (mg/l)	500	2000	644	387	445	685	696	748	483	761	483	371
Hardness (as CaCO ₃) (mg/l)	300	600	150	160	130	140	160	170	160	150	160	170
Alkalinity (as CaCO ₃) (mg/l)	200	600	200	220	210	200	220	240	250	240	230	260
Nitrate (mg/l)	50	No relaxation	0.2	0.23	0.25	0.22	0.23	0.26	0.28	0.3	0.38	0.35
Sulfate (mg/l)	200	400	28	25	38	23	25	50	30	33	35	35
Fluoride (mg/l)	1	1.5	0.751	0.81	0.823	0.551	0.875	0.352	0.601	0.453	0.712	0.657
Chloride (mg/l)	250	1000	85	50	120	132	260	160	180	260	120	241
Turbidity (NTU)	5	10	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Arsenic (mg/l)	0.01	No relaxation	0.0018	0.0023	0.0034	0.0008	0.0022	0.0014	0.0010	0.0012	0.0012	0.0014
Copper (mg/l)	0.05	1.5	BDL	BDL	0.0034	0.0002	BDL	BDL	BDL	BDL	BDL	BDL
Cadmium (mg/l)	0.01	No relaxation	BDL	BDL	0.00029	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	BDL	BDL	0.001	0.001	BDL	0.001	BDL	0.001	BDL	BDL
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	0.0007	0.0011	0.0013	BDL	BDL
Iron (mg/l)	0.3	1	0.037	0.063	0.081	0.147	0.069	0.089	0.039	0.135	0.148	0.118
Zinc (mg/l)	5	15	0.0013	0.01	0.031	0.0013	0.00019	0.0015	0.0045	0.0027	0.004	0.006
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