

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 24/12/14)**

Parameters	Permissible Limit	Desirable Limit	P1	P2B	P4	P7	P8	P10	P12
pH	6.5 to 8.5	No relaxation	7.4	7.6	7.4	7.3	7.6	7.6	7.5
TDS (mg/l)	500	2000	467	375	384	674	745	656	387
Hardness (as CaCO ₃) (mg/l)	300	600	140	180	150	160	150	160	180
Alkalinity (as CaCO ₃) (mg/l)	200	600	210	240	230	220	230	260	240
Nitrate (mg/l)	50	No relaxation	0.22	0.21	0.23	0.25	0.26	0.21	0.23
Sulfate (mg/l)	200	400	26	20	30	26	29	45	33
Fluoride (mg/l)	1	1.5	0.76	0.73	0.78	0.50	0.85	0.32	0.59
Chloride (mg/l)	250	1000	91	58	110	125	240	170	160
Turbidity (NTU)	5	10	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Arsenic (mg/l)	0.01	No relaxation	0.0016	0.0005	0.0005	0.0013	0.0013	0.0006	0.002
Copper (mg/l)	0.05	1.5	0.0002	BDL	BDL	0.00007	BDL	BDL	BDL
Cadmium (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.005	0.003	0.003	0.003	0.004	0.003	0.002
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.135	0.167	0.189	0.230	0.255	0.204	0.1
Zinc (mg/l)	5	15	0.026	0.0045	0.0047	0.0022	0.0052	0.0048	0.0019
Fecal Coliform (cfu)	0	0	0	0	0	0	0	0	0
E. Coli (cfu)	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