

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 23/07/15)**

Parameters	Permissible Limit	Maximum Limit	P1	P2B	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.8	7.7	7.8	7.6	7.8	7.7	7.5	7.6	7.8	7.8
TDS (mg/l)	500	2000	477	368	447	450	681	746	617	600	713	387
Hardness (as CaCO ₃) (mg/l)	300	600	70	160	80	170	60	80	60	130	75	60
Alkalinity (as CaCO ₃) (mg/l)	200	600	60	150	120	110	260	140	150	190	140	180
Nitrate (mg/l)	50	No relaxation	0.033	0.18	0.033	0.14	0.033	0.049	0.023	0.013	0.5	0.013
Sulfate (mg/l)	200	400	51	30	28	63	68	66	52	74	28	68
Fluoride (mg/l)	1	1.5	0.65	0.56	0.67	0.65	0.74	0.52	0.73	0.69	0.56	0.72
Chloride (mg/l)	250	1000	130	132	162	143	250	135	82	142	100	105
Turbidity (NTU)	5	10	0	0	0	0	0	0	0	0	0	0.001
Arsenic (mg/l)	0.01	No relaxation	0.002	0.0015	0.0026	0.0013	0.0017	0.002	0.001	0.0012	0.0017	0.0031
Copper (mg/l)	0.05	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Cadmium (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0023	0.001	0.002	0.003	0.003	0.004	0.003	0.004	0.003	0.002
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.135	0.133	0.266	0.148	0.147	0.134	0.163	0.232	0.156	0.215
Zinc (mg/l)	5	15	BDL	BDL	BDL	0.001	BDL	BDL	0.004	BDL	0.004	BDL
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 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*

