

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 29/09/15)**

Parameters	Desirable Limit	Maximum Limit	P1	P2	P3	P4	P7	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	8.17	8.28	7.95	7.72	7.74	7.65	8.08	8.3	8.57
TDS (mg/l)	500	2000	475	366	454	682	692	599	595	695	389
Hardness (as CaCO ₃) (mg/l)	300	600	100	210	100	200	150	250	250	200	180
Alkalinity (as CaCO ₃) (mg/l)	200	600	420	300	300	200	250	350	410	300	360
Nitrate (mg/l)	50	No relaxation	0.11	0.21	0.02	0.003	0.01	0.66	0.63	0.06	0.11
Sulfate (mg/l)	200	400	76	43	66	48	74	89	69	44	57
Fluoride (mg/l)	1	1.5	0.93	1.01	0.974	0.562	0.694	1.4	0.95	0.67	1.01
Chloride (mg/l)	250	1000	123	18	158	253	273	158	113	138	73
Turbidity (NTU)	5	10	0.002	0.001	0.001	0.001	0	0.001	0.001	0.001	0.002
Arsenic (mg/l)	0.01	No relaxation	0.0024	0.0015	0.0023	0.0008	0.0016	0.0014	0.0014	0.0025	0.0029
Cadmium(mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper (mg/l)	0.05	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.001	0.001	0.001	0.0008	0.0009	0.0011	0.0012	0.0009	0.001
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.235	0.268	0.27	0.183	0.14	0.182	0.242	0.14	0.179
Zinc (mg/l)	5	15	BDL	BDL	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*