

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 29/04/15)**

Parameters	Desirable Limit	Maximum Limit	P1	P2B	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.6	7.5	7.7	7.6	7.6	7.5	7.5	7.2	7.4	7.5
TDS (mg/l)	500	2000	483	371	438	568	677	742	440	602	720	391
Hardness (as CaCO ₃) (mg/l)	300	600	190	170	185	180	170	150	190	180	190	160
Alkalinity (as CaCO ₃) (mg/l)	200	600	200	220	210	200	220	230	210	180	210	200
Nitrate (mg/l)	50	No relaxation	0.21	0.22	0.25	0.23	0.26	0.24	0.25	0.26	0.24	0.25
Sulfate (mg/l)	200	400	32	35	39	27	23	39	41	38	42	36
Fluoride (mg/l)	1	1.5	0.73	0.75	0.72	0.43	0.71	0.24	0.43	0.45	0.37	0.31
Chloride (mg/l)	250	1000	95	73	125	131	235	160	140	153	142	90
Turbidity (NTU)	5	10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Arsenic (mg/l)	0.01	No relaxation	0.00063	0.001	0.0018	BDL	0.0008	0.0013	0.0003	0.0011	0.0012	0.0023
Copper (mg/l)	0.05	1.5	0.016	0.0025	0.0009	0.00013	0.0002	0.0004	0.0004	0.0009	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	0.0011	0.0013	0.0037	0.0025	0.0042	0.002	0.0045	0.0029	0.0016
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.110	0.243	0.287	0.182	0.263	0.249	0.136	0.165	0.179	0.190
Zinc (mg/l)	5	15	0.033	0.0133	0.00315	0.0032	0.0172	0.0029	0.0035	0.014	0.011	0.0073
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

