

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 21/10/14)**

<b>Parameters</b>	<b>Desirable Limit</b>	<b>Maximum Limit</b>	<b>P1</b>	<b>P2B</b>	<b>P3</b>	<b>P4</b>	<b>P7</b>	<b>P8</b>	<b>P9</b>	<b>P10</b>	<b>P11</b>
pH	6.5 to 8.5	No relaxation	7.2	7.5	7.2	7.1	7.3	7.4	7.2	7.2	7.4
TDS (mg/l)	500	2000	470	370	441	389	687	750	624	767	602
Hardness (as CaCO <sub>3</sub> ) (mg/l)	300	600	160	140	120	150	180	160	150	160	150
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	210	240	230	230	250	260	270	260	280
Nitrate (mg/l)	50	No relaxation	0.23	0.21	0.23	0.24	0.2	0.22	0.25	0.32	0.38
Sulfate (mg/l)	200	400	30	26	41	20	28	55	33	39	40
Fluoride (mg/l)	1	1.5	0.80	0.82	0.86	0.59	0.89	0.36	0.61	0.48	0.70
Chloride (mg/l)	250	1000	91	55	140	125	280	165	190	271	253
Turbidity (NTU)	5	10	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Arsenic (mg/l)	0.01	No relaxation	0.0012	BDL	BDL	0.0022	BDL	BDL	0.001	BDL	BDL
Copper (mg/l)	0.05	1.5	0.001	0.0018	BDL	0.002	0.0002	0.0026	0.0004	0.0003	0.0004
Cadmium (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0011	0.0013	0.001	0.0017	0.0012	0.003	0.0016	0.0019	0.0008
Lead (mg/l)	0.05	No relaxation	BDL	0.0001	BDL	0.0002	BDL	0.0003	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.154	0.193	0.179	0.202	0.289	0.294	0.248	0.245	0.171
Zinc (mg/l)	5	15	0.0007	0.010	0.0054	0.047	0.0012	0.0038	0.027	0.058	0.0037
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 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*