

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 31/03/15)**

<b>Parameters</b>	<b>Desirable Limit</b>	<b>Maximum Limit</b>	<b>P1</b>	<b>P2B</b>	<b>P4</b>	<b>P7</b>	<b>P8</b>	<b>P9</b>	<b>P10</b>	<b>P11</b>	<b>P12</b>
pH	6.5 to 8.5	No relaxation	7.45	7.67	7.29	7.37	7.28	7.46	7.49	7.58	7.33
TDS (mg/l)	500	2000	450	337	560	650	690	330	563	697	386
Hardness (as CaCO <sub>3</sub> ) (mg/l)	300	600	180	190	195	170	180	160	180	170	180
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	210	200	220	210	230	240	200	190	200
Nitrate (mg/l)	50	No relaxation	0.23	0.24	0.21	0.26	0.27	0.26	0.23	0.29	0.28
Sulfate (mg/l)	200	400	29	32	34	28	26	42	36	33	37
Fluoride (mg/l)	1	1.5	0.725	0.743	0.732	0.412	0.756	0.263	0.463	0.441	0.385
Chloride (mg/l)	250	1000	90	68	130	145	240	170	130	145	138
Turbidity (NTU)	5	10	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	0.0014	0.0019	BDL	0.0008	0.0011	0.0002	0.0008	0.0012	0.0024
Copper (mg/l)	0.05	1.5	BDL	0.001	BDL	0.0036	BDL	BDL	BDL	BDL	BDL
Cadmium (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.002	0.0023	0.0039	0.003	0.0041	0.0015	0.0036	0.0031	0.0016
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.190	0.140	0.285	0.243	0.145	0.236	0.116	0.243	0.180
Zinc (mg/l)	5	15	0.0001	0.002	0.0022	0.0045	BDL	0.008	0.0005	BDL	0.0027
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*