

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 30/12/15)**

<b>Parameters</b>	<b>Desirable Limit</b>	<b>Maximum Limit</b>	<b>P1</b>	<b>P2</b>	<b>P3</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	7.2	7.1	7.3	7.8	7.7	7.8	7.6	7.7	7.7	7.5
TDS (mg/l)	500	2000	469	360	450	458	600	744	641	382	568	677
Hardness (as CaCO <sub>3</sub> ) (mg/l)	300	600	140	220	120	180	161	310	340	240	200	220
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	450	400	470	390	360	350	540	420	350	380
Nitrate (mg/l)	50	No relaxation	0.06	0.05	0.19	0.18	0.09	0.85	0.02	0.54	0.05	0.23
Sulfate (mg/l)	200	400	49	59	48	58	66	71	76	23	81	58
Fluoride (mg/l)	1	1.5	0.74	0.54	0.90	0.41	0.56	0.64	0.73	0.62	0.98	0.89
Chloride (mg/l)	250	1000	170	65	155	110	205	250	220	150	300	110
Turbidity (NTU)	5	10	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0017	0.0010	0.0019	0.0012	0.0076	0.0011	0.0016	0.0007	0.0014	.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	0.0013	0.0018	0.002	0.003	0.002	0.001	0.003	0.0033	0.0020	0.0092
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.23	0.21	0.24	0.12	0.13	0.16	0.13	0.15	0.10	0.16
Zinc (mg/l)	5	15	0.224	0.0039	BDL	BDL	0.0084	0.0083	BDL	BDL	BDL	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*