

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 29/10/15)**

<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	7.75	7.55	7.89	7.60	7.88	7.72	7.65	7.64	7.76	7.95
TDS (mg/l)	500	2000	475	376	449	625	541	752	589	668	695	387
Hardness (as CaCO <sub>3</sub> ) (mg/l)	300	600	150	200	100	500	400	300	400	300	200	330
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	300	200	250	350	400	300	350	420	370	450
Nitrate (mg/l)	50	No relaxation	0.12	0.002	0.14	0.16	0.078	0.85	0.63	0.13	0.21	.23
Sulfate (mg/l)	200	400	70	55	62	52	70	67	52	41	53	49
Fluoride (mg/l)	1	1.5	0.78	0.865	0.90	0.432	0.893	0.984	0.863	0.768	0.970	0.987
Chloride (mg/l)	250	1000	100	50	100	200	215	250	160	185	150	160
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	0.0018	0.0012	0.002	0.002	0.0015	0.002	0.001	0.0014	0.0020	0.0025
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	0.005	0.008	0.006	0.004	0.005	0.005	0.008	0.008	0.006	0.006
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.210	0.270	0.210	0.220	0.180	0.165	0.230	0.152	0.134	0.168
Zinc (mg/l)	5	15	BDL	0.05	BDL	BDL	BDL	BDL	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*



