

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 26/05/15)**

<b>Parameters</b>	<b>Permissible 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>	<b>P12</b>
pH	6.5 to 8.5	No relaxation	7.6	7.8	7.5	7.6	7.2	7.7	7.8	7.9	7.3	7.4
TDS (mg/l)	500	2000	451	333	445	430	638	461	230	438	684	385
Hardness (as CaCO <sub>3</sub> ) (mg/l)	300	600	110	120	130	140	150	160	190	180	170	160
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	200	220	210	230	200	200	210	200	210	200
Nitrate (mg/l)	50	No relaxation	0.21	0.23	0.25	0.28	0.26	0.32	0.35	0.41	0.51	0.33
Sulfate (mg/l)	200	400	42	54	61	42	50	53	56	61	54	35
Fluoride (mg/l)	1	1.5	0.52	0.65	0.71	0.51	0.42	0.21	0.63	0.61	0.31	0.32
Chloride (mg/l)	250	1000	141	32	132	143	291	135	82	122	295	81
Turbidity (NTU)	5	10	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Arsenic (mg/l)	0.01	No relaxation	0.0022	0.0015	0.038	0.0025	0.0018	0.0012	0.0013	0.0013	0.002	0.003
Copper (mg/l)	0.05	1.5	0.0005	BDL	0.00027	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	BDL	BDL	0.0023	0.00014	0.0008	0.0029	BDL	0.0024	0.0011	BDL
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.093	0.065	0.246	0.133	0.226	0.249	0.164	0.069	0.258	0.106
Zinc (mg/l)	5	15	BDL	BDL	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*

