

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 29/06/15)**

Parameters	Permissible Limit	Maximum Limit	P1	P2B	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.6	7.8	7.5	7.6	7.8	7.6	7.7	7.8	7.6	7.3
TDS (mg/l)	500	2000	451	333	410	430	638	461	230	438	684	24.9
Hardness (as CaCO ₃) (mg/l)	300	600	110	100	70	130	60	70	40	140	60	80
Alkalinity (as CaCO ₃) (mg/l)	200	600	100	80	120	90	250	120	150	170	230	130
Nitrate (mg/l)	50	No relaxation	0.029	0.082	0.033	0.007	0.007	0.003	0.003	0.3	0.016	0.016
Sulfate (mg/l)	200	400	48	41	39	39	66	34	58	33	65	39
Fluoride (mg/l)	1	1.5	0.62	0.75	0.61	0.59	0.61	0.71	0.63	0.71	0.71	0.52
Chloride (mg/l)	250	1000	131	102	162	165	250	135	108	142	265	81
Turbidity (NTU)	5	10	0	0	0	0	0	0	0.001	0	0	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0022	0.0014	0.0003	0.0011	0.002	0.0022	0.0038	0.0032	0.0023	0.0021
Copper (mg/l)	0.05	1.5	BDL	0.0054	0.0001	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	0.0013	0.00013	0.0017	0.002	0.002	0.002	0.002	BDL
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	1	0.1383	0.048	0.085	0.149	0.192	0.178	0.167	0.086	0.102	0.133
Zinc (mg/l)	5	15	BDL	BDL	BDL	BDL	0.0016	BDL	0.041	0.00038	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*

