

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 25/04/17)**

Parameters	Permissible Limit	Maximum Limit	P1	P2	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.93	7.71	7.98	7.89	8.23	7.73	7.47	8.11	8.10	8.29
TDS (mg/l)	500	2000	467	357	448	495	643	747	632	747	666	403
Hardness(as CaCO ₃) (mg/l)	300	600	100	200	110	170	160	200	320	220	150	110
Alkalinity (as CaCO ₃) (mg/l)	200	600	250	350	320	200	330	240	410	270	280	310
Nitrate (mg/l)	50	No relaxation	0.06	0.48	0.07	0.04	0.03	0.06	0.29	0.08	0.06	0.04
Sulfate (mg/l)	200	400	48	23	42	51	58	72	59	80	52	42
Fluoride (mg/l)	1	1.5	0.702	0.760	0.849	0.803	0.606	0.565	1.21	0.642	0.648	0.947
Chloride (mg/l)	250	1000	155	75	100	175	280	295	205	310	305	115
Turbidity (NTU)	5	10	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0020	0.0014	0.0022	0.0019	0.0019	0.0019	0.0012	0.0014	0.0019	0.0029
Copper (mg/l)	0.05	1.5	0.0029	0.0019	0.0062	0.0011	0.0009	0.0008	0.0002	0.0067	0.0025	0.0007
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0014	0.0013	0.0011	0.0023	0.0017	0.0027	0.0017	0.0029	0.0019	0.0013
Lead (mg/l)	0.05	No relaxation	0.0016	0.0004	0.0016	0.0021	0.0002	0.0026	0.0064	0.0003	0.0002	0.0010
Iron (mg/l)	0.3	No relaxation	0.12	0.17	0.16	0.13	0.14	0.11	0.21	0.12	0.18	0.14
Zinc (mg/l)	5	15	0.0068	0.0100	0.0035	0.0031	BDL	0.0010	0.0025	BDL	0.0009	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*

Sampling Locations: P1 – Opp. Type 2 shop-C near water tank, P2- End of lane 37 near house 4098, P3 – Behind Helicopter building, P4 – Behind SIS hostel/NCC, P7 - Near water tank and main entrance of VH-Extension, type-1, P-8 Near Health Centre, P-9 Near front parking area of Hall-9, P-10- Near water tank at right side of Hall-3, P-11 - Behind mess and inside of Hall-10, P-12 - Near about 150 M of P-2 (end of lane-36) .