

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 28/06/17)**

Parameters	Permissible Limit	Maximum Limit	P1	P2	P3	P4	P7	P8	P9	P11	P12
pH	6.5 to 8.5	No relaxation	7.88	7.49	7.87	8.05	7.77	7.70	7.30	7.74	7.98
TDS (mg/l)	500	2000	474	362	451	504	650	753	643	667	432
Hardness(as CaCO ₃) (mg/l)	300	600	110	190	100	120	110	240	380	160	100
Alkalinity (as CaCO ₃) (mg/l)	200	600	330	480	310	330	270	270	430	260	290
Nitrate (mg/l)	50	No relaxation	0.07	0.58	0.06	0.05	0.04	0.08	0.32	0.07	0.05
Sulfate (mg/l)	200	400	36	47	46	49	44	74	83	38	35
Fluoride (mg/l)	1	1.5	0.818	0.838	0.814	0.758	0.585	0.530	1.09	0.597	0.831
Chloride (mg/l)	250	1000	170	40	105	215	295	295	195	310	140
Turbidity (NTU)	5	10	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0012	0.0012	0.0011	0.0015	0.0012	0.0110	0.0013	BDL	0.0013
Copper (mg/l)	0.05	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0013	0.0013	0.0014	0.0011	0.0013	0.0001	0.0012	0.0012	0.0010
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.13	0.21	0.13	0.12	0.13	0.11	0.18	0.12	0.13
Zinc (mg/l)	5	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fecal Coliform (cfu)	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

*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-11 - Behind mess and inside of Hall-10, P-12 - Near about 150 M of P-2 (end of lane-36) .