

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 31/08/17)**

Parameters	Permissible Limit	Maximum Limit	P1	P2	P3	P4	P7	P8	P9	P11	P12
pH	6.5 to 8.5	No relaxation	8.20	7.70	7.63	8.01	7.56	7.81	7.32	7.69	7.85
TDS (mg/l)	500	2000	469	362	454	515	654	750	626	656	405
Hardness(as CaCO ₃) (mg/l)	300	600	100	200	120	130	120	180	290	160	120
Alkalinity (as CaCO ₃) (mg/l)	200	600	300	430	290	270	260	270	400	270	300
Nitrate (mg/l)	50	No relaxation	0.08	0.49	0.06	0.09	0.06	0.07	0.36	0.06	0.07
Sulfate (mg/l)	200	400	38	48	46	49	38	74	81	44	35
Fluoride (mg/l)	1	1.5	0.632	0.669	0.629	0.641	0.438	0.409	0.798	0.439	0.592
Chloride (mg/l)	250	1000	170	40	140	215	295	290	195	300	150
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	0.0015	0.0016	0.0013	0.0018	0.0017	0.0018	0.0003	0.0019	0.0021
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	0.0052	0.0041	0.0040	0.0040	0.0031	0.0009	0.0035	0.0012	BDL
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.02	0.05	0.08	0.05	0.04	0.11	0.06	0.24	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) .