

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 28/03/17)**

Parameters	Permissible Limit	Maximum Limit	P1	P2	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.81	7.41	7.76	7.77	7.69	7.62	7.31	7.55	7.64	7.89
TDS (mg/l)	500	2000	471	364	448	492	645	752	616	723	678	394
Hardness(as CaCO <sub>3</sub> ) (mg/l)	300	600	120	180	100	120	130	190	300	210	160	100
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	330	470	300	310	250	280	390	260	270	260
Nitrate (mg/l)	50	No relaxation	0.04	0.41	0.06	0.04	0.01	0.03	0.19	0.05	0.06	0.03
Sulfate (mg/l)	200	400	51	46	52	51	49	80	72	79	50	48
Fluoride (mg/l)	1	1.5	0.514	0.563	0.567	0.539	0.430	0.385	0.842	0.471	0.435	0.579
Chloride (mg/l)	250	1000	175	50	125	180	260	315	220	310	320	105
Turbidity (NTU)	5	10	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0001	0.0003	0.0017	0.0054	0.0004	0.0008	0.0056	0.0004	0.0003	0.0004
Copper (mg/l)	0.05	1.5	0.00214	BDL	BDL	BDL	0.0231	BDL	BDL	0.00341	BDL	0.00241
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0023	0.0056	0.0045	0.0024	0.0016	0.0015	0.0057	0.0034	0.0085	0.0036
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.17	0.12	0.26	0.29	0.13	0.11	0.16	0.18	0.16	0.13
Zinc (mg/l)	5	15	BDL	0.0023	BDL	BDL	BDL	0.0045	BDL	0.0431	BDL	0.0045
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) .*