

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 24/01/17)**

Parameters	Permissible Limit	Maximum Limit	P1	P2	P3	P4	P7	P8	P9	P10	P11	P12
pH	6.5 to 8.5	No relaxation	7.7	7.4	7.7	7.8	7.6	7.5	7.4	7.6	7.7	7.9
TDS (mg/l)	500	2000	466	358	443	502	639	742	453	736	676	397
Hardness (as CaCO ₃) (mg/l)	300	600	100	250	110	110	120	160	250	160	170	100
Alkalinity (as CaCO ₃) (mg/l)	200	600	250	400	300	240	250	250	370	220	230	280
Nitrate (mg/l)	50	No relaxation	0.08	0.35	0.07	0.09	0.06	0.05	0.14	0.06	0.07	0.08
Sulfate (mg/l)	200	400	31	38	41	46	39	89	49	59	51	53
Fluoride (mg/l)	1	1.5	0.720	0.685	0.638	0.629	0.462	0.471	0.993	0.447	0.430	0.604
Chloride (mg/l)	250	1000	150	50	100	185	265	295	85	290	275	100
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	0.0023	0.0014	0.0019	0.0017	0.0011	0.0016	0.0011	0.0011	0.0019	0.0022
Copper (mg/l)	0.05	1.5	0.0060	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Cadmium (mg/l)	0.003	No relaxation	0.0001	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0063	0.0051	0.0035	0.0027	0.0022	0.0042	0.0027	0.0037	0.0027	0.0041
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.11	0.23	0.23	0.16	0.17	0.14	0.21	0.13	0.14	0.16
Zinc (mg/l)	5	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	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*

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 Mtr. of P-2 (end of lane-36) at same lane

