

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 25/04/19)**

<b>Parameters</b>	<b>Permissible Limit</b>	<b>Maximum Limit</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P7</b>	<b>P8</b>	<b>P11</b>	<b>P12</b>
pH	6.5 to 8.5	No relaxation	7.92	7.65	7.85	7.54	7.49	7.77	7.98
TDS (mg/l)	500	2000	489	352	478	715	699	721	423
Hardness (as CaCO <sub>3</sub> ) (mg/l)	300	600	100	160	90	150	170	160	100
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	340	420	310	260	270	320	300
Nitrate (mg/l)	50	No relaxation	0.07	0.42	0.06	0.08	0.11	0.04	0.07
Sulfate (mg/l)	200	400	48	39	28	58	65	34	38
Fluoride (mg/l)	1	1.5	0.754	0.784	0.847	0.554	0.642	0.571	0.786
Chloride (mg/l)	250	1000	150	40	175	295	315	270	120
Turbidity (NTU)	5	10	0.001	0.001	0.002	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0004	0.0024	0.0006	0.0021	0.0018	0.0015	0.0007
Copper (mg/l)	0.05	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0032	0.0033	0.0035	0.0017	0.0028	0.0021	0.0029
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.18	0.16	0.14	0.17	0.22	0.19	0.16
Zinc (mg/l)	5	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fecal Coliform (cfu)	0	0	0	0	0	0	0	0	0
E. Coli (cfu)	0	0	0	0	0	0	0	0	0

*Sampling Locations: P1 – Opp. Type 2 shop-C near water tank, P2- End of lane 37 near house 4098, P3 – Behind Helicopter building, P7 - Near water tank and main entrance of VH-Extension , type-I, P-8 Near Health Centre, P-11 - Behind mess and inside of Hall-10, P-12 - Near about 150 M of P-2 (end of lane-36) .*

*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*

