

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 25/05/17)**

<b>Parameters</b>	<b>Permissible Limit</b>	<b>Maximum Limit</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	<b>P7</b>	<b>P8</b>	<b>P9</b>	<b>P11</b>	<b>P12</b>
pH	6.5 to 8.5	No relaxation	7.83	7.59	7.87	7.81	7.82	7.63	7.33	7.72	7.96
TDS (mg/l)	500	2000	469	360	449	732	647	754	646	664	421
Hardness(as CaCO <sub>3</sub> ) (mg/l)	300	600	110	300	100	200	160	170	370	160	100
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	300	450	320	270	280	280	450	270	290
Nitrate (mg/l)	50	No relaxation	0.08	0.35	0.07	0.09	0.07	0.05	0.14	0.07	0.08
Sulfate (mg/l)	200	400	27	24	28	45	46	77	61	72	39
Fluoride (mg/l)	1	1.5	0.636	0.664	0.628	0.541	0.437	0.401	0.796	0.434	0.561
Chloride (mg/l)	250	1000	175	50	140	265	280	225	210	300	150
Turbidity (NTU)	5	10	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0001	0.0019	0.0001	0.0013	0.0010	0.0019	0.0027	0.0021	0.0019
Copper (mg/l)	0.05	1.5	BDL	0.0001	0.0002	0.0001	BDL	BDL	0.0001	BDL	0.0001
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	0.0006	BDL	BDL	BDL	BDL	0.0004	BDL
Chromium (mg/l)	0.05	No relaxation	BDL	BDL	BDL	0.0031	0.0012	0.0001	0.0034	0.0019	0.0012
Lead (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.120	0.160	0.180	0.123	0.134	0.125	0.131	0.121	0.132
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) .*