

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 26/07/2023)**

<b>Parameters</b>	<b>Permissible Limit</b>	<b>Maximum Limit</b>	<b>P1</b>	<b>P3</b>	<b>P7</b>	<b>P8</b>	<b>P12</b>	<b>P13</b>	<b>P14</b>	<b>P15</b>	<b>P16</b>
pH	6.5 to 8.5	No relaxation	7.69	8.08	8.19	7.98	8.05	7.92	8.07	8.24	8.12
TDS (mg/l)	500	2000	783	463	622	798	427	572	675	710	422
Hardness (as CaCO <sub>3</sub> ) (mg/l)	200	600	170	100	110	150	120	90	100	130	80
Alkalinity(as CaCO <sub>3</sub> ) (mg/l)	200	600	320	300	280	290	300	270	250	260	310
Nitrate (mg/l)	45	No relaxation	0.10	0.08	0.09	0.07	0.08	0.06	0.05	0.07	0.08
Sulfate (mg/l)	200	400	55.57	32.63	28.73	41.26	32.94	31.78	29.57	35.82	25.73
Fluoride (mg/l)	1	1.5	0.647	0.769	0.573	0.473	0.766	0.634	0.529	0.510	0.799
Chloride (mg/l)	250	1000	310	140	250	305	105	180	280	300	110
Turbidity (NTU)	5	10	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	0.05	0.0014	0.0021	0.0020	0.0021	0.0027	0.0015	0.0016	0.0013	0.0011
Copper (mg/l)	0.05	1.5	0.0012	0.0007	0.0012	0.0014	0.0004	0.0007	0.0005	0.0006	0.0007
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0011	0.0007	0.0009	0.0008	0.0006	0.0007	0.0010	0.0007	0.0009
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.22	0.15	0.16	0.19	0.13	0.16	0.14	0.17	0.12
Zinc (mg/l)	5	15	0.0006	0.0079	0.0006	BDL	BDL	BDL	BDL	BDL	0.0007
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

*Sampling Locations: P1 - Opp. Type 2 shop-C near water tank  
P3 - Behind Helicopter building,  
P7 - Near water tank and main entrance of VH-Extension, type-1  
P8 - Near Health Centre,  
P12 - Near about 150 M of P-2 (end of lane-36),  
P13 - Near Visiting Faculty Apartment,  
P14 - Near Hall 12,  
P15 - Behind New Sac,  
P16 - Near duplex type-3*

*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.*