

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 26/09/2024)**

	<b>Permissible Limit</b>	<b>Maximum Limit</b>	<b>P3</b>	<b>P7</b>	<b>P8</b>	<b>P11</b>	<b>P12</b>	<b>P13</b>	<b>P14</b>	<b>P15</b>	<b>P16</b>
pH	6.5 to 8.5	No relaxation	8.26	8.25	7.89	7.95	8.22	8.41	7.95	8.20	8.31
TDS (mg/l)	500	2000	463	660	751	672	430	686	599	740	435
Hardness (as CaCO <sub>3</sub> ) (mg/l)	200	600	110	140	160	130	100	130	120	160	100
Alkalinity(as CaCO <sub>3</sub> ) (mg/l)	200	600	290	270	280	250	280	260	270	250	290
Nitrate (mg/l)	45	No relaxation	0.06	0.09	0.11	0.07	0.08	0.06	0.09	0.06	0.07
Sulfate (mg/l)	200	400	37.56	41.93	29.95	45.88	28.52	34.68	49.32	31.75	26.48
Fluoride (mg/l)	1	1.5	0.785	0.692	0.687	0.634	0.853	0.612	0.639	0.772	0.829
Chloride (mg/l)	250	1000	135	270	240	285	105	285	190	315	125
Turbidity (NTU)	1	5	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0021	0.0019	0.0024	0.0031	0.0021	0.0018	0.0022	0.0023	0.0020
Copper (mg/l)	0.05	1.5	0.0025	0.0017	0.0022	0.0018	0.0016	0.0029	0.0024	0.0019	0.0027
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0009	0.0008	0.0007	0.0010	0.0006	0.0008	0.0007	0.0008	0.0006
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.17	0.22	0.18	0.21	0.19	0.17	0.16	0.19	0.18
Zinc (mg/l)	5	15	BDL	BDL	BDL	BDL	0.0019	BDL	0.0017	0.0022	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

**Sampling Locations:** P3 - Behind Helicopter building,  
P7 - Near water tank and main entrance of VH-Extension, type-1  
P8 - Near Health Centre,  
P11 - Hall 10 back side,  
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.**