

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 28/06/2024)**

	<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>
<b>pH</b>	<b>6.5 to 8.5</b>	<b>No relaxation</b>	8.39	7.98	7.91	8.32	8.42	8.27	7.89	8.35	8.41
<b>TDS (mg/l)</b>	<b>500</b>	<b>2000</b>	471	658	752	665	426	589	683	733	431
<b>Hardness (as CaCO<sub>3</sub>) (mg/l)</b>	<b>200</b>	<b>600</b>	100	140	160	120	110	130	140	160	100
<b>Alkalinity(as CaCO<sub>3</sub>) (mg/l)</b>	<b>200</b>	<b>600</b>	300	270	280	230	310	250	260	270	290
<b>Nitrate (mg/l)</b>	<b>45</b>	<b>No relaxation</b>	0.07	0.10	0.06	0.08	0.07	0.09	0.06	0.08	0.06
<b>Sulfate (mg/l)</b>	<b>200</b>	<b>400</b>	29.52	47.08	41.34	39.58	37.26	27.28	48.52	29.27	35.21
<b>Fluoride (mg/l)</b>	<b>1</b>	<b>1.5</b>	0.698	0.675	0.715	0.635	0.815	0.653	0.781	0.626	0.845
<b>Chloride (mg/l)</b>	<b>250</b>	<b>1000</b>	130	270	250	280	100	195	280	290	120
<b>Turbidity (NTU)</b>	<b>1</b>	<b>5</b>	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
<b>Arsenic (mg/l)</b>	<b>0.01</b>	<b>No relaxation</b>	0.0024	0.0021	0.0023	0.0028	0.0025	0.0023	0.0022	0.0026	0.0021
<b>Copper (mg/l)</b>	<b>0.05</b>	<b>1.5</b>	0.0026	0.0034	0.0032	0.0029	0.0018	0.0031	0.0017	0.0028	0.0019
<b>Cadmium (mg/l)</b>	<b>0.003</b>	<b>No relaxation</b>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
<b>Chromium (mg/l)</b>	<b>0.05</b>	<b>No relaxation</b>	0.0009	0.0010	0.0012	0.0008	0.0009	0.0007	0.0010	0.0007	0.0008
<b>Lead (mg/l)</b>	<b>0.01</b>	<b>No relaxation</b>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
<b>Iron (mg/l)</b>	<b>1.0</b>	<b>No relaxation</b>	0.19	0.22	0.18	0.21	0.16	0.17	0.15	0.19	0.20
<b>Zinc (mg/l)</b>	<b>5</b>	<b>15</b>	0.0021	BDL	0.0043	BDL	BDL	0.0027	BDL	BDL	BDL
<b>Fecal Coliform (cfu)</b>	<b>0</b>	<b>0</b>	0	0	0	0	0	0	0	0	0
<b>E. Coli (cfu)</b>	<b>0</b>	<b>0</b>	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.**