

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE 30/01/2025)**

<b>Parameters</b>	<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	8.35	8.26	8.19	7.92	8.38	8.44	7.98	8.21	8.29
TDS (mg/l)	500	2000	467	658	625	668	421	609	687	762	442
Hardness (as CaCO <sub>3</sub> ) (mg/l)	200	600	100	130	140	120	110	120	150	160	100
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	200	600	310	260	290	240	290	270	260	270	290
Nitrate (mg/l)	45	No relaxation	0.06	0.11	0.09	0.07	0.08	0.06	0.09	0.08	0.07
Sulfate (mg/l)	200	400	29.78	42.65	49.23	25.64	37.26	51.33	34.59	45.76	30.25
Fluoride (mg/l)	1	1.5	0.694	0.573	0.628	0.546	0.812	0.724	0.587	0.572	0.751
Chloride (mg/l)	250	1000	135	275	285	280	110	285	180	305	110
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	0.0028	0.0023	0.0027	0.0024	0.0029	0.0022	0.0028	0.0027	0.0022
Copper (mg/l)	0.05	1.5	0.0018	0.0015	0.0022	0.0019	0.0013	0.0017	0.0020	0.0016	0.0019
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	0.0011	0.0010	0.0012	0.0009	0.0010	0.0008	0.0012	0.0011
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.16	0.20	0.19	0.18	0.21	0.17	0.19	0.16	0.18
Zinc (mg/l)	5	15	BDL	0.0022	0.0016	BDL	BDL	BDL	BDL	0.0041	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.*