

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE  
(SAMPLING DATE - 29/01/2026)**

<b>Parameters</b>	<b>Permissible Limit</b>	<b>Maximum Limit</b>	<b>P3</b>	<b>P7</b>	<b>P11</b>	<b>P12</b>	<b>P13</b>	<b>P14</b>	<b>P15</b>	<b>P16</b>	<b>P17</b>	<b>P18</b>
pH	6.5 to 8.5	No relaxation	8.05	7.92	8.14	8.22	7.98	8.26	8.18	8.43	8.27	7.95
TDS (mg/l)	500	2000	435	644	635	403	647	579	742	431	585	536
Hardness (as CaCO <sub>3</sub> ) (mg/l)	200	600	100	140	160	110	170	140	180	110	120	140
Alkalinity(as CaCO <sub>3</sub> ) (mg/l)	200	600	300	270	260	290	250	260	290	300	280	260
Nitrate (mg/l)	45	No relaxation	0.08	0.11	0.09	0.08	0.07	0.08	0.06	0.09	0.07	0.12
Sulfate (mg/l)	200	400	51.22	46.57	39.38	48.28	53.66	32.76	42.26	35.36	41.22	56.13
Fluoride (mg/l)	1	1.5	0.824	0.651	0.692	0.887	0.634	0.689	0.667	0.869	0.746	0.898
Chloride (mg/l)	250	1000	125	275	285	105	270	205	335	130	250	165
Turbidity (NTU)	1	5	0.001	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	0.0028	0.0021	0.0017	0.0023	0.0018	0.0020	0.0019	0.0017	0.0024	0.0018
Copper (mg/l)	0.05	1.5	0.0010	0.0009	0.0012	0.0007	0.0010	0.0009	0.0011	0.0008	0.0009	0.0007
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0008	0.0009	0.0007	0.0008	0.0010	0.0009	0.0007	0.0008	0.0010	0.0009
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.18	0.23	0.20	0.19	0.24	0.17	0.21	0.18	0.20	0.19
Zinc (mg/l)	5	15	0.0087	BDL	0.0053	0.0049	BDL	BDL	0.0074	0.0069	0.0044	0.0058
Fecal Coliform (cfu)	0	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	0

*Sampling Locations: P3 - Behind Helicopter building,  
P7 - Near water tank and main entrance of VH-Extension, type-1  
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,  
P17 - Behind Central AC Plant  
P18 - Near Bada Mandir, Type-1*

*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.*