

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE - 30/12/2025)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P11	P12	P13	P14	P15	P16	P17	P18
pH	6.5 to 8.5	No relaxation	7.95	7.89	8.09	8.18	7.85	8.29	8.36	8.41	8.21	7.92
TDS (mg/l)	500	2000	434	641	609	405	646	590	744	432	610	557
Hardness (as CaCO ₃) (mg/l)	200	600	110	130	150	100	160	120	170	100	110	130
Alkalinity(as CaCO ₃) (mg/l)	200	600	290	270	250	300	240	250	280	290	260	250
Nitrate (mg/l)	45	No relaxation	0.09	0.12	0.08	0.07	0.09	0.08	0.06	0.09	0.07	0.12
Sulfate (mg/l)	200	400	48.51	34.38	41.33	45.49	52.17	46.22	37.94	30.25	49.82	58.23
Fluoride (mg/l)	1	1.5	0.794	0.621	0.653	0.874	0.734	0.677	0.648	0.827	0.769	0.895
Chloride (mg/l)	250	1000	135	280	290	115	275	195	315	125	245	140
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	0.0024	0.0019	0.0020	0.0028	0.0017	0.0021	0.0016	0.0018	0.0021	0.0019
Copper (mg/l)	0.05	1.5	0.0012	0.0010	0.0009	0.0008	0.0011	0.0008	0.0010	0.0007	0.0011	0.0009
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0009	0.0007	0.0008	0.0010	0.0009	0.0008	0.0007	0.0010	0.0009	0.0008
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.19	0.21	0.23	0.18	0.21	0.20	0.19	0.22	0.17	0.18
Zinc (mg/l)	5	15	0.0062	BDL	BDL	0.0042	BDL	BDL	0.0068	0.0037	0.0052	0.0049
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.*