

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 26/06/2025)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P8	P11	P12	P13	P14	P15	P16	P17
pH	6.5 to 8.5	No relaxation	7.84	7.91	7.99	8.16	8.33	8.09	8.12	8.20	8.43	8.29
TDS (mg/l)	500	2000	455	641	752	655	417	654	588	741	434	616
Hardness (as CaCO ₃) (mg/l)	200	600	100	110	130	140	100	130	120	140	100	120
Alkalinity (as CaCO ₃) (mg/l)	200	600	310	260	270	250	310	260	270	250	300	260
Nitrate (mg/l)	45	No relaxation	0.07	0.10	0.09	0.11	0.08	0.09	0.07	0.09	0.08	0.07
Sulfate (mg/l)	200	400	29.82	41.75	49.29	52.14	38.55	31.09	45.88	57.62	33.27	39.35
Fluoride (mg/l)	1	1.5	0.746	0.565	0.525	0.612	0.824	0.618	0.725	0.585	0.813	0.755
Chloride (mg/l)	250	1000	130	270	250	285	110	280	200	340	130	240
Turbidity (NTU)	1	5	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0012	0.0022	0.0017	0.0019	0.0028	0.0023	0.0024	0.0020	0.0021	0.0026
Copper (mg/l)	0.05	1.5	0.0012	0.0019	0.0008	0.0006	0.0007	0.0009	0.0007	0.0009	0.0013	0.0010
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0012	0.0007	0.0009	0.0010	0.0006	0.0005	0.0007	0.0005	0.0006	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	0.19	0.22	0.18	0.24	0.20	0.17	0.21	0.18	0.16	0.23
Zinc (mg/l)	5	15	0.0017	0.0024	BDL	0.0020	BDL	0.0033	BDL	BDL	0.0031	BDL
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,
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,
P17 - Behind Central AC Plant*

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.