

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 29/04/2025)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P8	P11	P12	P13	P14	P15	P16
pH	6.5 to 8.5	No relaxation	8.22	8.12	8.08	8.19	8.45	8.26	8.28	8.21	8.43
TDS (mg/l)	500	2000	472	660	806	682	419	662	604	754	451
Hardness (as CaCO ₃) (mg/l)	200	600	100	110	130	120	90	120	130	140	100
Alkalinity (as CaCO ₃) (mg/l)	200	600	320	270	280	270	310	260	270	300	290
Nitrate (mg/l)	45	No relaxation	0.07	0.11	0.08	0.09	0.06	0.08	0.07	0.09	0.08
Sulfate (mg/l)	200	400	32.63	49.57	51.05	28.52	31.68	47.48	59.68	37.36	47.68
Fluoride (mg/l)	1	1.5	0.689	0.523	0.561	0.644	0.712	0.685	0.601	0.556	0.789
Chloride (mg/l)	250	1000	140	270	265	295	105	290	195	340	120
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	0.0041	0.0017	0.0018	0.0025	0.0017	0.0018	0.0021	0.0020	0.0017
Copper (mg/l)	0.05	1.5	0.0039	0.0014	0.0006	0.0010	0.0007	0.0013	0.0011	0.0014	0.0015
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0015	0.0005	0.0006	0.0015	0.0006	0.0006	0.0008	0.0007	0.0006
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.23	0.18	0.17	0.15	0.18	0.16	0.21	0.19	0.17
Zinc (mg/l)	5	15	0.0026	0.0186	BDL	0.0169	0.0125	BDL	BDL	0.0113	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.