

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 28/05/2025)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P8	P11	P12	P13	P14	P15	P16	P17
pH	6.5 to 8.5	No relaxation	7.95	8.08	7.98	8.22	8.45	8.29	8.34	8.26	8.42	8.35
TDS (mg/l)	500	2000	469	659	789	684	426	678	614	774	452	627
Hardness (as CaCO ₃) (mg/l)	200	600	110	120	140	130	100	130	110	150	100	110
Alkalinity (as CaCO ₃) (mg/l)	200	600	310	290	300	280	320	270	310	290	300	280
Nitrate (mg/l)	45	No relaxation	0.08	0.09	0.11	0.10	0.07	0.06	0.08	0.09	0.07	0.09
Sulfate (mg/l)	200	400	39.47	46.01	55.68	50.94	33.57	34.73	60.73	52.73	29.15	49.42
Fluoride (mg/l)	1	1.5	0.792	0.642	0.579	0.654	0.859	0.689	0.746	0.549	0.862	0.719
Chloride (mg/l)	250	1000	135	265	255	290	100	285	190	335	125	245
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	0.0026	0.0029	0.0036	0.0024	0.0031	0.0028	0.0034	0.0038	0.0025	0.0029
Copper (mg/l)	0.05	1.5	0.0019	0.0016	0.0010	0.0009	0.0007	0.0011	0.0008	0.0012	0.0014	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	0.0011	0.0008	0.0007	0.0014	0.0007	0.0006	0.0009	0.0008	0.0007	0.0011
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	0.21	0.16	0.19	0.17	0.15	0.20	0.18	0.19	0.24
Zinc (mg/l)	5	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	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.