

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 30/07/2025)**

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	8.11	8.09	8.25	8.41	8.15	8.29	8.21	8.44	8.31
TDS (mg/l)	500	2000	436	617	721	653	419	675	618	754	439	623
Hardness (as CaCO ₃) (mg/l)	200	600	110	120	150	130	100	140	130	150	110	130
Alkalinity (as CaCO ₃) (mg/l)	200	600	300	270	280	260	310	270	260	270	300	270
Nitrate (mg/l)	45	No relaxation	0.08	0.07	0.11	0.08	0.07	0.06	0.09	0.08	0.06	0.09
Sulfate (mg/l)	200	400	32.41	44.28	52.36	49.18	36.52	32.78	55.87	48.66	29.54	41.89
Fluoride (mg/l)	1	1.5	0.815	0.632	0.586	0.672	0.859	0.674	0.769	0.629	0.834	0.789
Chloride (mg/l)	250	1000	140	265	255	290	115	285	195	335	135	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	0.0022	0.0024	0.0019	0.0020	0.0027	0.0026	0.0025	0.0021	0.0019	0.0023
Copper (mg/l)	0.05	1.5	0.0018	0.0014	0.0009	0.0007	0.0008	0.0010	0.0006	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	0.0011	0.0008	0.0012	0.0007	0.0006	0.0008	0.0009	0.0007	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	0.16	0.23	0.19	0.22	0.21	0.18	0.19	0.17	0.18	0.21
Zinc (mg/l)	5	15	0.0035	0.0019	BDL	BDL	0.0016	0.0041	BDL	BDL	0.0045	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.