

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE - 24/09/2025)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P11	P12	P13	P14	P15	P16	P17
pH	6.5 to 8.5	No relaxation	8.05	7.86	8.13	8.38	8.09	8.32	8.18	8.41	8.35
TDS (mg/l)	500	2000	441	630	645	404	636	581	732	436	612
Hardness (as CaCO ₃) (mg/l)	200	600	100	140	130	110	150	140	160	110	120
Alkalinity(as CaCO ₃) (mg/l)	200	600	310	260	230	300	250	260	280	300	270
Nitrate (mg/l)	45	No relaxation	0.09	0.12	0.07	0.08	0.06	0.09	0.06	0.08	0.07
Sulfate (mg/l)	200	400	41.28	39.64	45.72	32.84	52.13	47.69	34.22	26.45	49.76
Fluoride (mg/l)	1	1.5	0.835	0.684	0.629	0.871	0.725	0.783	0.589	0.854	0.772
Chloride (mg/l)	250	1000	125	280	285	105	270	190	325	130	235
Turbidity (NTU)	1	5	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	0.0020	0.0013	0.0019	0.0025	0.0018	0.0015	0.0028	0.0017	0.0013
Copper (mg/l)	0.05	1.5	0.0008	0.0009	0.0012	0.0007	0.0010	0.0008	0.0006	0.0011	0.0008
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0007	0.0009	0.0010	0.0008	0.0007	0.0009	0.0008	0.0006	0.0010
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.17	0.24	0.20	0.14	0.19	0.21	0.18	0.15	0.22
Zinc (mg/l)	5	15	0.0034	0.0038	BDL	0.0042	0.0038	BDL	0.0036	BDL	0.0051
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
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.