

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE - 27/03/2026)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P11	P12	P13	P14	P15	P16	P17	P18
pH	6.5 to 8.5	No relaxation	8.29	7.99	8.37	8.42	7.95	8.23	8.13	8.45	8.30	8.39
TDS (mg/l)	500	2000	428	652	656	411	634	588	734	433	613	544
Hardness (as CaCO ₃) (mg/l)	200	600	100	130	150	110	170	120	160	100	120	110
Alkalinity(as CaCO ₃) (mg/l)	200	600	300	260	270	310	260	250	260	280	270	300
Nitrate (mg/l)	45	No relaxation	0.07	0.13	0.09	0.06	0.08	0.07	0.09	0.08	0.08	0.11
Sulfate (mg/l)	200	400	31.68	40.73	23.36	36.01	49.57	25.26	39.26	32.21	29.05	32.94
Fluoride (mg/l)	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride (mg/l)	250	1000	130	290	295	110	270	200	340	145	255	180
Turbidity (NTU)	1	5	0.001	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	0.0034	0.0027	0.0019	0.0030	0.0020	0.0025	0.0013	0.0012	0.0017	0.0025
Copper (mg/l)	0.05	1.5	0.0006	0.0009	0.0011	0.0001	BDL	0.0005	0.0009	BDL	0.0002	0.0019
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.03	0.10	0.10	0.05	0.10	0.17	0.12	0.02	0.06	0.06
Zinc (mg/l)	5	15	0.0029	0.0011	0.0074	0.0080	0.0060	0.0159	0.0048	0.0009	0.0105	0.0052
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
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
P18 - Near Bada Mandir, Type-1

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.