

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE - 31/10/2023)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P11	P12	P13	P14	P15	P16
pH	6.5 to 8.5	No relaxation	8.11	8.25	7.92	7.88	8.19	8.27	7.79	8.31
TDS (mg/l)	500	2000	447	614	649	579	644	556	706	414
Hardness (as CaCO ₃) (mg/l)	200	600	100	110	130	120	110	130	140	90
Alkalinity(as CaCO ₃) (mg/l)	200	600	300	250	270	290	250	260	280	290
Nitrate (mg/l)	45	No relaxation	0.08	0.10	0.05	0.07	0.06	0.08	0.06	0.07
Sulfate (mg/l)	200	400	38.29	29.95	41.23	32.81	45.76	39.57	35.75	29.48
Fluoride (mg/l)	1	1.5	0.815	0.586	0.624	0.788	0.679	0.592	0.714	0.835
Chloride (mg/l)	250	1000	140	260	285	110	175	280	310	110
Turbidity (NTU)	5	10	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	0.05	0.0028	0.0025	0.0024	0.0019	0.0023	0.0024	0.0020	0.0029
Copper (mg/l)	0.05	1.5	0.0007	0.0006	0.0016	0.0005	0.0014	0.0008	0.0013	0.0012
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0012	0.0006	0.0005	0.0006	0.0008	0.0010	0.0007	0.0006
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.14	0.21	0.13	0.19	0.15	0.17	0.14	0.13
Zinc (mg/l)	5	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fecal Coliform (cfu)	0	0	0	0	0	0	0	0	0	0
E. Coli (cfu)	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.*