

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 26/05/23)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P8	P11	P12	P13	P14	P15	P16
pH	6.5 to 8.5	No relaxation	7.79	7.71	7.86	7.68	8.11	7.59	7.82	7.90	7.85
TDS (mg/l)	500	2000	455	583	758	631	779	561	632	677	419
Hardness (as CaCO ₃) (mg/l)	200	600	100	130	170	140	180	120	130	150	80
Alkalinity(as CaCO ₃) (mg/l)	200	600	350	320	310	300	340	290	280	300	340
Nitrate (mg/l)	45	No relaxation	0.07	0.06	0.05	0.11	0.07	0.06	0.09	0.08	0.05
Sulfate (mg/l)	200	400	39.47	37.57	55.24	46.52	41.36	36.10	43.36	53.89	28.84
Fluoride (mg/l)	1	1.5	0.881	0.656	0.565	0.677	0.693	0.786	0.636	0.611	0.892
Chloride (mg/l)	250	1000	140	275	310	285	280	180	290	315	105
Turbidity (NTU)	5	10	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	0.05	0.0026	0.0023	0.0020	0.0017	0.0010	0.0014	0.0015	0.0011	0.0012
Copper (mg/l)	0.05	1.5	0.0010	0.0008	0.0013	0.0012	0.0011	0.0015	0.0016	0.0014	0.0015
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0003	0.0002	0.0009	0.0001	0.0005	0.0002	0.0007	0.0009	0.0008
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.3	No relaxation	0.15	0.19	0.20	0.18	0.21	0.16	0.18	0.17	0.12
Zinc (mg/l)	5	15	0.0040	0.0033	0.0044	0.0008	0.0002	0.0021	0.0012	0.0019	0.0003
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,
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

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.