

**RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE 26/03/2024)**

Parameters	Permissible Limit	Maximum Limit	P3	P7	P8	P11	P12	P13	P14	P15	P16
pH	6.5 to 8.5	No relaxation	7.85	7.98	7.87	7.94	8.38	8.21	7.79	8.05	8.41
TDS (mg/l)	500	2000	468	638	778	684	425	592	683	498	434
Hardness (as CaCO ₃) (mg/l)	200	600	110	100	150	130	100	120	140	130	110
Alkalinity(as CaCO ₃) (mg/l)	200	600	290	240	290	260	300	270	250	270	280
Nitrate (mg/l)	45	No relaxation	0.07	0.08	0.07	0.10	0.06	0.09	0.08	0.07	0.06
Sulfate (mg/l)	200	400	32.68	47.27	45.57	37.57	41.84	34.94	46.21	27.68	31.05
Fluoride (mg/l)	1	1.5	0.869	0.623	0.697	0.618	0.889	0.771	0.629	0.825	0.852
Chloride (mg/l)	250	1000	135	265	230	285	100	185	290	145	105
Turbidity (NTU)	1	5	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Arsenic (mg/l)	0.01	No relaxation	0.0021	0.0023	0.0028	0.0025	0.0030	0.0024	0.0028	0.0029	0.0023
Copper (mg/l)	0.05	1.5	0.0014	0.0018	0.0025	0.0021	0.0011	0.0015	0.0019	0.0012	0.0011
Cadmium (mg/l)	0.003	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.05	No relaxation	0.0009	0.0012	0.0010	0.0014	0.0013	0.0012	0.0014	0.0012	0.0013
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	0.20	0.18	0.22	0.16	0.18	0.17	0.15	0.19
Zinc (mg/l)	5	15	BDL	BDL	BDL	0.0018	BDL	BDL	BDL	BDL	BDL
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.