RESULTS OF THE WATER QUALITY PARAMETERS OF THE INSTITUTE
(SAMPLING DATE - 29/10/2025)

Parameters	Permissible Limit	Maximum Limit	P3	P7	P11	P12	P13	P14	P15	P16	P17
pH	6.5 to 8.5	No relaxation	7.85	7.41	7.98	8.12	7.88	8.26	8.32	8.39	8.18
TDS (mg/l)	500	2000	434	637	629	405	635	578	745	433	609
Hardness (as $CaCO_3$) (mg/l)	200	600	110	130	150	100	140	130	170	100	110
Alkalinity(as $CaCO_3$) (mg/l)	200	600	290	270	260	310	240	250	280	300	260
Nitrate (mg/l)	45	No relaxation	0.06	0.09	0.12	0.07	0.09	0.06	0.08	0.07	0.09
Sulfate (mg/l)	200	400	32.75	45.29	49.23	37.86	55.37	39.28	44.63	28.77	51.35
Fluoride (mg/l)	1	1.5	0.782	0.589	0.665	0.847	0.679	0.641	0.633	0.869	0.761
Chloride (mg/l)	250	1000	135	285	290	115	280	195	315	125	245
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	0.0028	0.0019	0.0017	0.0024	0.0015	0.0021	0.0014	0.0018	0.0020
Copper (mg/l)	0.05	1.5	0.0014	0.0011	0.0009	0.0012	0.0008	0.0013	0.0007	0.0010	0.0009
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	0.0006	0.0008	0.0010	0.0008	0.0007	0.0009	0.0010	0.0007
Lead (mg/l)	0.01	No relaxation	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	1.0	No relaxation	0.19	0.21	0.24	0.18	0.20	0.22	0.19	0.16	0.21
Zinc (mg/l)	5	15	BDL	0.0042	0.0053	BDL	0.0028	0.0035	0.0049	BDL	0.0031
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.