



**TABLE 2 - HOSTELS**

<b>Parameters</b>	<b>Hall 1</b>	<b>Hall 2</b>	<b>Hall 3</b>	<b>Hall 4</b>	<b>Hall 5</b>	<b>Hall 7</b>	<b>Hall 8</b>	<b>Hall 9</b>	<b>Hall 10</b>	<b>Hall 11</b>	<b>Hall 12</b>	<b>Hall 13</b>	<b>GH 1</b>	<b>GH2</b>
pH	7.62	8.31	7.56	7.91	7.92	7.43	7.99	7.75	7.77	7.93	7.69	8.54	7.72	7.95
TDS (mg/l)	553	32.6	583	774	591	534	882	240	666	663	622	86.9	531	619
Hardness (as CaCO <sub>3</sub> ) (mg/l)	120	60	140	180	150	180	160	60	160	140	110	50	110	120
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	290	70	280	320	260	320	380	120	240	260	210	80	290	240
Nitrate (mg/l)	0.18	0.03	0.04	0.17	0.01	0.25	0.03	0.07	0.03	0.02	0.01	0.03	0.02	0.01
Sulfate (mg/l)	48	7	37	78	43	39	66	27	47	58	42	5	46	61
Fluoride (mg/l)	0.851	0.103	0.754	0.749	0.703	1.05	0.769	0.290	0.692	0.723	0.751	0.122	0.856	0.750
Chloride (mg/l)	180	15	195	220	215	145	330	105	270	260	250	50	175	215
Turbidity (NTU)	0.002	0.001	0.001	0	0	0	0	0.01	0	0.02	0.001	0.001	0.01	0.01
Arsenic (mg/l)	0.0016	BDL	0.0014	0.0018	0.0012	0.0010	0.0014	0.0004	0.0014	0.0012	0.0012	BDL	0.0012	0.0013
Copper (mg/l)	0.0392	0.0044	0.0689	0.0004	0.0398	0.0363	0.0361	0.0515	0.0563	0.0469	0.0561	0.0226	0.0337	0.0408
Cadmium (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	BDL	BDL	0.0003	0.0003	0.0006	BDL	0.0002	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.119	0.009	0.218	0.17	0.010	0.210	0.116	0.107	0.0246	0.082	0.086	0.023	0.082	0.082
Zinc (mg/l)	0.1214	0.0365	0.0741	0.014	0.0243	0.1724	0.0967	0.1405	0.0212	0.0477	0.2080	0.1173	0.0486	0.0457
Fecal Coliform (cfu)	0	0	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	0	0

*The water samples were acquired from water cooler located near mess*

**TABLE 3 - HOSTELS Contd..**

<b>Parameters</b>	<b>New RA1</b>	<b>Old RA2</b>	<b>VH</b>	<b>HC</b>	<b>New SBRA</b>	<b>Old SBRA</b>
pH	7.40	7.64	7.01	7.54	7.37	7.50
TDS (mg/l)	32.3	442	14.4	537	548	597
Hardness (as CaCO <sub>3</sub> ) (mg/l)	60	200	80	110	120	110
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	40	230	40	280	250	310
Nitrate (mg/l)	0.03	0.02	0.02	0.02	0.04	0.03
Sulfate (mg/l)	5	43	4	47	45	51
Fluoride (mg/l)	0.074	0.708	0.076	0.760	0.703	0.844
Chloride (mg/l)	25	150	10	170	205	130
Turbidity (NTU)	0.001	0.002	0	0.001	0	0.001
Arsenic (mg/l)	0.0005	0.0018	0.0016	0.0016	0.0008	0.0015
Copper (mg/l)	0.0125	BDL	0.0219	0.0683	BDL	0.0092
Cadmium (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	0.0009	0.0048	BDL	0.0004	0.0019	0.0052
Lead (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.2014	0.2152	0.0432	0.0958	0.1840	0.1051
Zinc (mg/l)	0.0394	0.0154	0.0240	0.0669	0.0324	0.0052
Fecal Coliform (cfu)	0	0	0	0	0	0
E. Coli (cfu)	0	0	0	0	0	0

**TABLE 3 – VARIOUS RESIDENTIAL LOCATIONS**

<b>Parameters</b>	<b>T1 (67)</b>	<b>T2 (205)</b>	<b>T3D (381)</b>	<b>T3F (319)</b>	<b>T4 (4081)</b>	<b>T5 (520)</b>	<b>T6 (661)</b>	<b>Multistory Building-A (104)</b>	<b>Multistory Building- B (103)</b>	<b>Multistory Building-C (104)</b>	<b>Multistory Building-D (204)</b>
pH	7.28	7.62	7.61	7.91	7.44	7.79	7.42	8.00	7.97	7.65	8.06
TDS (mg/l)	651	492	394	488	373	466	372	643	593	622	650
Hardness (as CaCO <sub>3</sub> ) (mg/l)	120	90	80	100	160	110	190	110	100	140	100
Alkalinity (as CaCO <sub>3</sub> ) (mg/l)	240	290	350	280	380	290	400	260	270	270	300
Nitrate (mg/l)	0.19	0.17	0.20	0.17	0.51	0.15	0.40	0.07	0.03	0.03	0.003
Sulfate (mg/l)	58	37	64	57	43	50	38	54	51	52	55
Fluoride (mg/l)	0.719	0.892	0.938	0.902	0.888	0.885	0.874	0.742	0.775	0.760	0.728
Chloride (mg/l)	275	150	80	145	35	130	35	230	200	215	230
Turbidity (NTU)	0	0.001	0.001	0.001	0.001	0	0.001	0.001	0.002	0.001	0.001
Arsenic (mg/l)	0.0021	0.0029	0.0015	0.0026	0.0011	0.0010	0.0010	0.0015	0.0013	0.0014	0.0012
Copper (mg/l)	BDL	0.0021	0.0302	0.0378	0.0311	0.0301	0.0303	0.0323	0.0453	0.0593	0.0497
Cadmium (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Iron (mg/l)	0.1350	0.1452	0.0073	0.0300	0.2589	0.0370	0.1822	0.1172	0.1025	0.0767	0.0319
Zinc (mg/l)	0.0038	0.0594	0.0584	0.0539	0.1276	0.0391	0.1674	0.1438	0.0096	0.0730	0.2277
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: H1 to RA2 various hostels; VH- Visitors Hostel; HC- Health Centre; T1 to T6 Residences with corresponding House Numbers. Multistory Building A toD- New faculty buildings with corresponding House Numbers. 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*

