

Ground Water Quality Analysis Report New (October 2021)

S.No.	Monitoring Location	Parameters																																
		pH	Total Dissolved Solids (mg/l)	Electrical Conductivity	Biochemical Oxygen Demand	Chemical Oxygen Demand	Total Hardness(mg/l)	Calcium	Magnesium	Total Alkalinity(mg/l)	P - Alkalinity	Chloride (mg/l)	Fluoride(mg/l)	Nitrate - N(mg/l)	Nitrite - N(mg/l)	Sulphate (mg/l)	Phosphate(mg/l)	Sodium(mg/l)	Potassium(mg/l)	Sodium Adsorption Ratio	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury(mg/l)	Chromium(mg/l)	Cadmium	Zinc(mg/l)	Lead(mg/l)	Iron(mg/l)	Total Kjeldahl Nitrogen	Aldrin(µg/l)	Hexa chlorobenzene(µg/l)	Alpha Endosulphan(µg/l)	Beta Endosulphan(µg/l)
Requirement(acceptable limit)	6.5-8.5	500	N/A	N/A	N/A	200	N/A	N/A	200	N/A	250	1	45	N/A	200	N/A	N/A	N/A	N/A	0.01	0.02	0.05	0.001	N/A	0.003	5	0.01	0.3	N/A	0.03	0.01	0.4	0.4	
Permissible limit	No relaxation	2000	N/A	N/A	N/A	600	N/A	N/A	600	N/A	1000	1.5	No relaxation	N/A	400	N/A	N/A	N/A	N/A	0.05	No relaxation	1.5	No relaxation	N/A	No relaxation	15	No relaxation	No relaxation	N/A	N/A	N/A	N/A	N/A	
District - Chamoli																																		
1	Handpump, Joshimath town	6.91	142	220	BDL	BDL	120	80	40	70	ND	15	0.28	0.04	0.05	44.95	0.15	16.2	6.4	0.64	BDL	BDL	0.035	BDL	0.25	BDL	1.9	BDL	1.34	5.6	BDL	BDL	BDL	BDL
2	Handpump, Gopeshwar town	6.82	191	289	BDL	BDL	120	100	20	57	ND	42	0.43	0.02	0.04	52.78	0.21	33.6	9.3	1.33	BDL	BDL	0.036	BDL	3	BDL	0.81	BDL	1.64	5.43	BDL	BDL	BDL	BDL
District - Rudraprayag																																		
3	Handpump, Augestmuni town	7.05	137	205	BDL	BDL	122	100	22	97	ND	12	0.36	0.02	0.06	29.41	0.19	15.1	1.4	0.59	BDL	BDL	0.001	BDL	BDL	BDL	BDL	0.91	3.92	BDL	BDL	BDL	BDL	
4	Handpump, Rudraprayag town	6.75	258	391	BDL	BDL	260	230	30	230	ND	33	0.44	0.03	0.05	45.31	0.12	18.9	1.1	0.5	BDL	BDL	0.0011	BDL	BDL	BDL	0.7	BDL	4.34	4.6	BDL	BDL	BDL	BDL
District - Uttarkashi																																		
5	Handpump, Chinyalisaur	7.24	267	415	BDL	BDL	156	110	46	132	ND	9	0.86	0.07	0.08	46.21	0.17	21.6	1.4	0.74	BDL	BDL	0.07	BDL	BDL	BDL	1.96	BDL	2.12	4.24	BDL	BDL	BDL	BDL
6	Handpump, Uttarkashi	7.62	202	317	BDL	BDL	150	94	56	111	ND	10	0.73	0.08	0.04	52.11	0.14	8.8	1.6	0.31	BDL	BDL	0.007	BDL	BDL	BDL	0.62	BDL	0.75	5.81	BDL	BDL	BDL	BDL
District- Tehri																																		
7	Handpump, Bhagirathipurum, tehri	7.08	385	252	BDL	BDL	160	120	40	101	ND	21	0.37	0.06	0.04	36.91	0.14	18.1	0.6	0.62	BDL	BDL	0.038	BDL	0.32	BDL	0.51	BDL	0.82	5.32	BDL	BDL	BDL	BDL
8	Handpump, New tehri	7.1	67	107	BDL	BDL	40	20	20	40	ND	4	0.69	0.09	0.06	35.29	0.13	15.8	0.6	1.08	BDL	BDL	0.017	BDL	0.31	BDL	0.16	BDL	0.31	4.48	BDL	BDL	BDL	BDL
District - Pauri Garhwal																																		
9	Handpump, Kotdwar Town	7.48	437	662	BDL	BDL	280	200	80	252	ND	20	0.58	0.09	0.03	30.16	0.13	22.3	1.4	0.57	BDL	BDL	0.013	BDL	0.42	BDL	0.69	BDL	1.24	5.6	BDL	BDL	BDL	BDL
10	Handpump near Siggadi Industrial Area, Kotdwar	7.19	363	572	BDL	BDL	280	24	40	160	ND	12	0.63	0.06	0.05	23.26	0.16	23.26	0.16	0.58	BDL	BDL	0.018	BDL	BDL	BDL	0.83	BDL	2.24	5.43	BDL	BDL	BDL	BDL
District - Dehradun																																		
11	Pharma city, Selaqui,Dehradun	5.68	177	268	BDL	BDL	116	66	50	64	ND	19	0.72	0.03	0.06	39.43	0.11	20.6	1.3	0.82	BDL	BDL	0.02	BDL	0.28	BDL	BDL	BDL	0.18	4.28	BDL	BDL	BDL	BDL

12	Hand pump,Selaqui, Industrial Area-1	6.08	160	250	BDL	BDL	156	74	82	70	ND	11	0.49	0.06	0.05	240.26	0.23	15.1	0.9	0.52	BDL	BDL	0.017	BDL	0.31	BDL	BDL	BDL	0.14	4.6	BDL	BDL	BDL	BDL
13	Hand pump,Selaqui, Industrial Area-2	5.98	183	283	BDL	BDL	96	80	16	74	ND	18	0.4	0.08	0.08	213.17	0.18	19.5	1.1	0.86	BDL	BDL	0.036	BDL	0.32	BDL	BDL	BDL	0.32	4.8	BDL	BDL	BDL	BDL
14	MSW Landfill site, Sisambada,Dehradun-1 ,North side	6.11	169	266	BDL	BDL	90	70	20	98	ND	7	0.46	0.1	0.09	220.11	0.16	19.8	1.1	0.9	BDL	BDL	0.016	BDL	0.26	BDL	BDL	BDL	0.06	5.89	BDL	BDL	BDL	BDL
15	MSW Landfill site, Sisambada,Dehradun-1 ,South side	6.17	175	264	BDL	BDL	100	80	20	101	ND	7	0.52	0.09	0.07	49.63	0.13	17	1.1	0.73	BDL	BDL	0.014	BDL	0.33	BDL	BDL	BDL	0.05	7	BDL	BDL	BDL	BDL
District - Udham Singh Nagar																																		
16	HP at Santipuri Kiccha - 2	7	235	360	2	4.8	188	127	61	204	ND	20	0.55	0.05	0.05	18.63	0.05	10.3	0.9	0.58	ND	ND	0.001	BDL	ND	ND	1.42	ND	2.13	4.24	ND	ND	ND	ND
17	HP at Santipuri Kiccha - 1	7.1	227	330	2.4	9	193	140	53	216	ND	17	0.39	0.06	0.07	33.95	0.08	11.7	0.8	0.36	ND	ND	0.001	BDL	ND	ND	1.45	ND	1.81	4.76	ND	ND	ND	ND
18	HP at Pantnagar Industrial Area - 2	7.4	196	280	2.2	6	205	114	91	184	ND	18	0.77	0.03	0.08	39.44	0.1	20.9	0.9	0.63	ND	ND	0.001	BDL	ND	ND	0.56	ND	0.22	4.49	ND	ND	ND	ND
19	HP at Pantnagar Industrial Area - 1	7	206	320	2	4.8	186	132	54	192	ND	16	0.82	0.05	0.03	19.28	0.11	18.2	0.9	0.57	ND	ND	0.001	BDL	ND	ND	0.009	ND	0.1	4.22	ND	ND	ND	ND
20	HP at Sitarganj Industrial Area - 2	7.2	272	410	3.2	15.3	223	168	54	234	ND	23	0.65	0.07	0.06	20.97	0.07	11.2	0.7	0.32	ND	ND	0.001	BDL	ND	ND	1.45	ND	1.88	5.87	ND	ND	ND	ND
21	HP near Sitarganj Industrial Area - 1	7.5	270	400	2.6	10.5	209.2	152	57	240	ND	26	0.63	0.03	0.04	24.86	0.03	33.2	0.6	0.99	ND	ND	0.001	BDL	ND	ND	0.18	ND	1.92	5.06	ND	ND	ND	ND
22	HP near Gurudwara, Muradabad Road, Kashipur	7.3	218	320	1.6	8	232.8	120	112	200	ND	24	0.5	0.04	0.06	44.5	0.18	58.2	1.3	1.65	ND	ND	0.001	BDL	ND	ND	0.06	ND	0.08	3.92	ND	ND	ND	ND
23	HP near Kendriya Vidyalaya, Bazpur Road, Kashipur	7.2	256	370	2.2	6	180	128	51	196	ND	18	0.45	0.6	0.3	26.72	0.05	16.9	0.7	0.54	ND	ND	0.001	BDL	ND	ND	0.43	ND	0.2	4.19	ND	ND	ND	ND
24	HP near I.G.L Lagoon, Chamalida, Kashipur	7.8	210	320	2.4	10	190	104	86	172	ND	22	0.41	0.06	0.04	19.71	0.05	13.4	1	0.51	ND	ND	0.001	BDL	ND	ND	1.4	ND	0.21	4.49	ND	ND	ND	ND
25	HP at Chaiti Chauraha, Bajpur Road, Kashipur	7.2	218	320	6	14.4	186	90	96	220	ND	16	0.51	0.05	0.04	38.11	0.05	3	2.8	1.21	ND	ND	0.001	BDL	ND	ND	0.08	ND	0.72	3.93	ND	ND	ND	ND
26	HP near Govt Primary School, Kashipur	7.5	234	340	1.8	7	215	136	79	220	ND	17	0.44	0.03	0.03	7.92	0.08	26.9	1.6	0.23	ND	ND	0.001	BDL	ND	ND	0.32	ND	0.11	3.64	ND	ND	ND	ND
27	HP at Industrial Area, Mahuakheraganj, Kashipur	7.4	318	490	5.2	12	168	112	56	258	ND	15	0.46	0.06	0.05	25.45	0.08	23	1.8	0.76	ND	ND	0.001	BDL	ND	ND	0.45	ND	0.17	4.21	ND	ND	ND	ND
28	HP near old Industrial Area, Kashipur near IGL	7.2	603	910	3.8	8	215	151	64	270	ND	14	0.53	0.07	0.03	21.18	0.04	17.4	0.7	0.51	ND	ND	0.001	BDL	ND	ND	0.08	ND	0.28	5.04	ND	ND	ND	ND
District - Haridwar																																		
29	HP at CHC, Bhagwanpur Industrial Area - 1	7.5	190	297	BDL	ND	200	122	78	182	ND	4	0.06	BDL	0.08	9.97	0.08	37	1.5	1.13	ND	ND	0.0005	BDL	ND	ND	ND	ND	0.63	4.24	ND	ND	ND	ND
30	HP at Sikendrabad, Lakeshwari, Bhagwanpur Industrial - 2	7.4	138	217	BDL	ND	213	169	44	94	ND	9	0.18	BDL	0.11	2.52	0.1	33.7	2.3	1	ND	ND	0.001	BDL	ND	ND	ND	ND	0.06	5.04	ND	ND	ND	ND
31	HP at Ramnagar Roorkee Industrial are -1	7.3	209	328	BDL	ND	298	188	110	205	ND	10	0.26	BDL	0.13	2.82	0.11	16.2	3.7	0.4	ND	ND	0.001	BDL	ND	ND	0.11	ND	1.77	5.8	ND	ND	ND	ND
32	HP at Village Sunhera, Roorkee Industrial Area - 2	7.5	183	286	BDL	ND	157	81	76	163	ND	ND	0.13	BDL	0.09	11.94	0.1	41.5	2.3	1.44	ND	ND	0.001	BDL	ND	ND	ND	ND	0.07	4.76	ND	ND	ND	ND

33	HP at Roshnabad, Collectorate, SIDCUL, Industrial Area - 1	6.9	599	937	BDL	ND	380	300	80	350	ND	95	0.01	0.27	0.15	126.62	0.07	45.8	0.8	1.02	ND	ND	0.044	BDL	ND	ND	1.02	ND	2.21	4.2	ND	ND	ND	ND
34	HP at Saleempur Mahdood Chowk, SIDCUL Industrial Area - 2	7.5	239	374	BDL	ND	246	230	16	305	ND	15	0.11	BDL	0.11	8.27	0.09	12.4	1.4	0.33	ND	ND	0.0016	BDL	ND	ND	1.02	ND	1.28	3.64	ND	ND	ND	ND
35	HP near Municipal Solid Waste Landfill Site, Sarai, Jawalapur Haridwar - 1	7	275	430	BDL	ND	322	234	88	260	ND	20	0.07	2.27	0.09	41.76	0.04	18.7	2	0.45	ND	ND	0.01	BDL	ND	ND	0.54	ND	0.78	4.23	ND	ND	ND	ND
36	HP near Municipal Solid Waste Landfill Site, Sarai, Jawalapur Haridwar - 2	7.3	349	546	BDL	ND	408	318	90	285	ND	40	0.42	4.2	0.08	70.54	0.12	17.2	1.3	0.36	ND	ND	0.001	BDL	ND	ND	ND	ND	0.13	4.48	ND	ND	ND	ND
District - Pithoragarh																																		
37	HP at Pithoragarh Town near Chandrabhaga, Pithoragarh	7.36	133	210	1	4	170	92	78	146	ND	17	0.52	0.08	0.05	33.27	0.11	32.05	7.25	1.06	ND	ND	0.016	BDL	0.02	ND	ND	ND	0.33	4.49	ND	ND	ND	ND
38	HP at Pithoragarh Town near Pithoragarh fort, Pithoragarh	7.71	127	190	1.2	3	152	88	64	132	ND	15	0.48	0.09	0.04	41.26	0.09	25	9.11	0.87	ND	ND	0.023	BDL	0.02	ND	ND	ND	0.07	5.31	ND	ND	ND	ND
District - Almora																																		
39	HP at Almora Town- 2 near jai shri college, Khatyari, Almora	7.18	113	160	1.2	4	168	92	76	128	ND	19	0.63	0.06	0.08	22.4	0.15	43	11.1	1.43	ND	ND	0.023	BDL	ND	ND	ND	ND	0.09	4.21	ND	ND	ND	ND
40	HP at Almora Town- 1 near Pataldevi, Almora	6.95	147	220	1.6	5	186	102	84	160	ND	19	0.6	0.03	0.03	27.94	0.13	28	4.2	5.08	ND	ND	0.004	BDL	ND	ND	ND	ND	0.08	4.76	ND	ND	ND	ND
District - Nainital																																		
41	HP at Ramnagar Town near Govt PG College, Ramnagar	7.72	147	230	1	4	174	96	78	170	ND	21	0.58	0.06	0.05	52.63	0.16	21	4.5	0.68	ND	ND	0.016	BDL	0.03	ND	ND	ND	0.09	5.6	ND	ND	ND	ND
42	HP at Nainital Town near Sariyatal	7.39	125	210	0.8	3	194	106	88	148	ND	25	0.49	0.05	0.06	51.11	0.19	17	4.8	0.52	ND	ND	0.0117	BDL	0.06	ND	ND	ND	0.07	5.32	ND	ND	ND	ND
District - Bageshwar																																		
43	HP at Bageshwar Town - 1 near Kaflogair	7.57	126	180	1.2	4	168	96	72	126	ND	17	0.4	0.09	0.03	27.6	0.18	12.3	5.4	0.41	ND	ND	0.027	BDL	ND	ND	0.04	ND	0.09	4.47	ND	ND	ND	ND
44	HP at Baheshwar Town - 2 near Roadways station, Bageshwar	7.23	103	140	1	3	152	84	68	120	ND	13	0.55	0.11	0.04	72.09	0.11	21.5	1.2	0.75	ND	ND	0.014	BDL	ND	ND	ND	ND	0.08	5.08	ND	ND	ND	ND
District - Champawat																																		
45	HP at Champawat Town - 1 near Shivmandir	7.28	108	140	0.8	3	180	94	86	110	ND	17	0.71	0.13	0.06	35.25	0.13	22.4	14.4	0.72	ND	ND	0.0312	BDL	ND	ND	ND	ND	0.05	5.87	ND	ND	ND	ND
46	HP at Champawat Town - 2 near Gas Station Lohagat	6.93	111	160	1.2	4	194	102	92	140	ND	19	0.52	0.09	0.07	25.7	0.16	29.9	1.2	0.71	ND	ND	0.018	BDL	ND	ND	ND	ND	0.07	4.75	ND	ND	ND	ND