



Surface Water Quality Monitoring Report (In respect of Metals) December 2023

District- Chamoli											
S.No.	Name of the Monitoring Point	Date of Monitoring	Parameters								
			Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)
1	River Alaknanda B/C River Dhaulti Ganga at Vishnuprayag	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.26
2	River Dhaulti Ganga B/C River Alaknanda at Vishnuprayag	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.63
3	River Alaknanda A/C River Dhaulti Ganga at Vishnuprayag	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.43
4	River Alaknanda B/C River Nandakini at Nandprayag	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.43
5	River Nandakini B/C River Alaknanda at Nandprayag	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.22
6	River Alaknanda A/C River Nandakini at Nandprayag	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.96
7	River Alaknanda B/C River Pindar at Karanprayag	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.82
8	River Pindar B/C River Alaknanda at Karanprayag	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.71
9	River Alaknanda A/C River Pindar at Karanprayag	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.85
District- Rudraprayag											
S.No.	Name of the Monitoring Point	Date of Monitoring	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)
10	River Mandakini B/C River Alaknanda at Rudraprayag	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.76
11	River Alaknanda B/C River Mandakini at Rudraprayag	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.59
12	River Alaknanda A/C River Mandakini at Rudraprayag	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.04
13	River Mandakini D/S at Augustmuni, Rudraprayag	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.39
District- Uttarkashi											
S.No.	Name of the Monitoring Point	Date of Monitoring	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)
14	River Bhagirathi D/S at Uttarkashi	12-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.95
15	River Yamuna at Barkot	13-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.32
District- Tehri Garhwal											
S.No.	Name of the Monitoring Point	Date of Monitoring	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)
16	River Alaknanda B/C River Bhagirathi at Devprayag	08-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.89
17	River Bhagirathi B/C River Alaknanda at Devprayag	08-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.19
18	River Alaknanda A/C River Bhagirathi (River Ganga D/S) at Devprayag	08-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.62
19	Tehri lake at Koti colony, Tehri	11-12-2023	ND	ND	ND	ND	ND	ND	0.22	ND	3.16
District- Dehradun											
S.No.	Name of the Monitoring Point	Date of Monitoring	Arsenic(mg/l)	Nickel(mg/l)	Copper(mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)
20	River Ganga D/S at Bairaa, Rishikesh,	01-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	3.06
21	River Ganga near Visthaphit Colony, Rishikesh	01-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.19
22	River Ganga A/C River Song (River Ganga D/S) at Raiwala	01-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	3.08
23	River Ganga A/C River Song (River Ganga D/S) Near Birla guest house, Dehradun	01-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	4.71
24	River Suswa D/S at Mathurawala, Dehradun	19-12-2023	ND	ND	ND	ND	ND	ND	0.13	ND	2.81

62	Dhella River U/S at Kashipur Moradabad Road Bridge, US Nagar	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62
63	Dhella River D/S at Thakurdwara, Aliganj Road, US Nagar	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41
64	River Bhella U/S Kashipur, (U/S Ramnagar Road), US Nagar	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11
65	Bhella River at Lohia Bridge D/S Kashipur (D/S Lohiya Bridge), US Nagar	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44
66	Pilakhar River at Bilaspur, Rampur, US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	0.10	ND	ND	0.82
67	Nanduar River U/S Sitarganj Industrial Area, (Nandour U/S Sitarganj), US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.60
68	Nanduar River D/S Sitarganj Industrial Area, (Nandour D/S Sitarganj), US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	0.17	ND	ND	0.88
69	Kichha River at Kichha, (River Kichha D/S Nagarbhalla, Kashipur), US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	0.32	ND	ND	0.72
70	Kalyani River at U/S Pantnagar Industrial Area, US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	0.24	ND	ND	0.44
71	Kalyani River at D/S Pantnagar Industrial Area, US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59
72	River Kailash Downstream behind Sitarganj Industrial Area, US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64
District- Almora												
S.No.	Name of the Monitoring Point	Date of Monitoring	Arsenic (mg/l)	Nickel (mg/l)	Copper (mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	
73	River Kosi D/S near Khairna- Ranikhet Bridge, Almora	20-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59
District- Bageshwar												
S.No.	Name of the Monitoring Point	Date of Monitoring	Arsenic (mg/l)	Nickel (mg/l)	Copper (mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	
74	River Saryu D/S Near Bilona Bridge, Bageshwar	19-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.85
Lowest Detection Limit →			Arsenic (mg/l)	Nickel (mg/l)	Copper (mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)	
			0.01	0.10	0.03	0.001	0.06	0.02	0.01	0.10	0.06	

Note: All values are in mg/L.

Abbreviations: ND= Not Detected