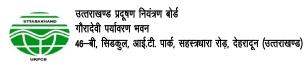
Uttarakhand Pollution Control Board Gauradevi Paryavaran Bhawan 46-B, SIDCUL, IT Park, Sahashtradhara Road, Dehradun (Uttarakhand)



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

Distri	ct- 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 Dhauli Ganga at Vishnuprayag	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.26	
2	River Dhauli 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 Dhauli 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 D:4:	River Yamuna at Barkot	13-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.32	
S.No.	ct- Tehri Garhwal 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	08-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.89	
17	Devprayag River Bhagirathi B/C River Alaknanda at	08-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.19	
18	Devprayag 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	
Distri	ct- Dehradun		1					·				
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 Bairaaj, 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	

25	River Suswa U/S at Barafutta, Doiwala, Dehradun	19-12-2023	ND	ND	ND	ND	ND	ND	0.20	ND	2.82
26	River Song D/S before confluence into River Ganga Near Nepali Farm, Rishikesh	01-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.97
27	River Yamuna D/S at Vikash Nagar, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.42
28	Yamuna Canal at Dakpathar, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.88
29	River Yamuna at Dakpathar, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.90
30	River Yamuna at Lakhwar, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.73
31	River Yamuna at Kalsi, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.43
32	River Tons Before joining to River Yamuna at Dakpathar, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.87
33	River Tons at Selaqui, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	6.48
34	River Rispana U/S at Shikhar Fall, Dehradun	19-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	3.29
35	River Rispana D/S Near IT Park, Dehradun	19-12-2023	ND	ND	ND	ND	ND	ND	0.32	ND	2.96
36	River Rispana B/C to River Bindal at Mothorowala	19-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	4.08
37	River Bindal U/S at Bindal Bridge, Dehradun	19-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	5.11
38	River Bindal D/S Near Kargi Chowk, Dehradun	19-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	3.52
39	River Bindal B/C to River Rispana at Mothorowala, Dehradun	19-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	4.92
40	Asan Conservation Reserve, Dehradun	06-12-2023	ND	ND	ND	ND	ND	ND	0.17	ND	5.25
Distric	et- Haridwar										
-		Date of	Arsenic(Nickel(Copper(Mercury	Chromium	Cadmium	Zinc	Lead	Iron
S.No.	Name of the Monitoring Point	Monitoring	mg/l)	mg/l)	mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
41	River Ganga canal D/S at Har ki Pauri, Rishikul Bridge, Haridwar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.39
42	River Ganga at Har Ki Pouri, Haridwar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.63
43	River Ganga near Bishanpur Kundi , Haridwar	04-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.26
44	River Ganga Canal at Lal Ta Rao Bridge, Haridwar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.88
45	River Ganga Canal at Damkothi, Haridwar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.73
46	River Ganga U/S at Bindughat Dudhiyaban, Haridwar	06-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	1.77
47	River Ganga D/S at Balkumari Mandir, Ajeetpur, Haridwar	04-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.82
48	Upper Ganga Canal D/S at Roorkee	04-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	2.09
40	River Banganga D/S at Laksar before	04.10.2022	NID	ND	ND	MD	NID	NID	NID	N.D.	2.05
49	entering U.P	04-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	3.95
50	River Ganga D/S at Sultanpur, Haridwar	04-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.95
Distric	ct- Pauri 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)
-	River Ganga U/S at Lakshmanjhula,										
51	Rishikesh	01-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	3.99
52	River Ganga at Swargashram, Rishikesh	01-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	4.19
	River Nayar U/S at Satpuli	14-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.82
	River Nayar D/S at Satpuli	14-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.73
	et- Nainital										
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)
55	Nainital Lake Water Intake, Nainital	20-12-2023	ND	ND	ND ND	ND	ND	ND	ND	ND	1.14
56	Bheemtal Lake Water Intake, Nainital	20-12-2023	ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	0.94
57	Gola River at Haldwani, Nainital	20-12-2023 20-12-2023	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	0.27
58	Sattal lake, Nainital		ND								
60	Naukichyatal lake, Nainital River Shipra D/S near Neem Karoli Dam,	20-12-2023	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	1.12
Bhawali, Nainital District- Udham Singh Nagar											
Distric	te Ounam Singn Magai	D 4 2	I	NI: 1 ··	C 2	M.	Ch. :	G-2 :	7.		Y
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)
61	Kosi River at Kashipur Bajpur Road Bridge, Kashipur	07-12-2023	ND	ND	ND	ND	ND	ND	ND	ND	0.27

62	Dhella River U/S at Kashipur Moradabad Road Bridge, US Nagar	07-12-2023	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	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	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	0.44
66	Pilakhar River at Bilaspur, Rampur, US Nagar	06-12-2023	ND	ND	ND	ND	ND	ND	0.10	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	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	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	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	0.44
71	Kalyani River at D/S Pantnagar Industrial Area, US Nagar	06-12-2023	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	0.64
Distri	ct- 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	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	1.85
	Lowest Detection Limit			Nickel (mg/l)	Copper (mg/l)	Mercury (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Zinc (mg/l)	Lead (mg/l)	Iron (mg/l)
				0.10	0.03	0.001	0.06	0.02	0.01	0.10	0.06

Note: All values are in mg/L. Abbrevations: ND= Not Detected