

WATER QUALITY OF MAJOR RIVERS IN HIMACHAL PARDESH MONITORED UNDER MINARS PROGRAMME DURING 2021-22

Results of Major Rivers (MINARS) Points from April 2021 to March 2022

Name of location	Parameter	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
River Pabbar U/s Dhambari	pH	7.60	7.61	6.97	7.44	7.34	7.78	8.02	8.14	7.06	8.15	6.83	7.92
	DO	8.5	9.2	8.7	8.7	8.0	8.5	8.1	8.1	8.1	8.1	8.1	8.2
	BOD	1.0	0.5	0.3	0.4	0.9	0.7	0.4	0.4	0.5	0.6	0.6	0.6
	TC	>1600	1600	46	540	>1600	>1600	>1600	>1600	70	220	<1.8	6.8
River Pabbar U/s Rohru	pH	7.66	8.16	7.42	7.98	7.23	7.80	8.17	7.12	6.98	8.07	7.50	7.93
	DO	7.6	9.0	8.1	8.1	8.0	7.6	8.0	8.0	8.0	8.0	8.0	7.8
	BOD	1.0	0.6	0.3	0.5	0.9	0.6	0.7	0.4	0.6	0.5	0.6	0.6
	TC	>1600	920	350	1600	>1600	>1600	>1600	>1600	110	1600	9.2	17
River Pabbar U/s Hatkoti	pH	7.56	8.15	7.43	8.15	7.26	7.77	8.19	7.88	6.70	8.04	8.00	8.08
	DO	7.1	8.9	7.1	7.2	7.1	7.9	7.3	7.3	7.3	7.1	7.1	7.0
	BOD	1.0	0.7	0.4	0.8	0.6	0.5	0.8	0.6	0.6	0.6	0.6	0.6
	TC	>1600	920	1600	920	>1600	>1600	>1600	>1600	>1600	<1.8	<1.8	9.3
Shikari Khad before Conf. to R. Pabbar near HRTC Bus Stand Rohru	pH	7.63	7.62	7.68	7.38	7.32	7.79	7.97	7.10	6.82	8.04	7.42	8.11
	DO	6.8	7.0	6.9	6.9	6.5	7.0	6.5	6.4	6.4	6.4	6.4	6.8
	BOD	1.0	1.0	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.4	0.6	0.7
	TC	>1600	920	>1600	>1600	>1600	>1600	>1600	>1600	>1600	280	>1600	540.0
River Pabbar at Snail D/s of TRT of Swara Kuddu	pH	7.73	7.98	8.18	8.01	7.32	7.97	8.03	7.69	7.57	8.01	8.06	8.10
	DO	7.8	9.0	7.7	7.6	7.3	7.6	7.3	7.3	7.3	7.3	7.3	7.4
	BOD	1.0	0.5	0.4	0.5	0.8	0.5	0.5	0.4	0.5	0.7	0.5	0.7
	TC	46	>1600	>1600	540	>1600	>1600	>1600	>1600	1600	540	4	140
River Tons at H.P. Boundary	pH	7.81	7.75	7.44	7.29	7.68	7.82	8.02	7.55	6.83	8.01	7.52	8.14
	DO	7.9	9.0	7.8	7.7	7.4	8.1	7.4	7.4	7.4	7.4	7.4	7.5
	BOD	1.0	0.7	0.4	0.5	0.7	0.5	0.6	0.4	0.9	0.5	0.7	0.7
	TC	>1600	>1600	>1600	920	>1600	>1600	>1600	>1600	350	7.8	<1.8	49
River Giri U/s LWSS Sainj	pH	7.79	8.18	8.70	7.89	7.75	7.36	8.02	8.06	7.26	8.13	7.92	7.86
	DO	7.5	8.7	6.9	7.0	6.9	7.5	7.0	7.0	7.0	7.0	7.1	7.0
	BOD	1.0	0.8	0.8	0.5	0.7	0.5	0.7	0.6	0.6	0.7	0.5	0.7
	TC	>16	>16	160	540	>16	>16	>16	>16	210	49	920	220.0

Name of location	Parameter	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
		00	00	0		00	00	00	00				
River Giri D/s LWSS Sainj	pH	7.70	8.19	8.80	7.90	7.48	8.04	8.04	8.05	7.37	8.17	7.81	7.85
	DO	7.6	8.5	7.0	7.0	7.0	7.6	7.1	7.1	7.1	7.1	7.0	7.1
	BOD	1.0	0.9	0.8	0.6	0.9	0.5	0.8	0.8	0.7	0.6	0.6	0.6
	TC	>1600	>1600	>1600	1600	>1600	>1600	>1600	>1600	>1600	1600	1600	540
R. Giri U/s Chaila	pH	8.15	8.27	7.73	7.72	7.35	8.15	8.14	8.04	7.31	7.98	7.86	7.76
	DO	7.4	8.6	7.0	7.1	7.0	7.9	7.1	7.1	7.1	7.0	7.1	7.2
	BOD	1.0	0.8	0.7	0.4	0.7	0.5	0.4	0.4	0.6	0.5	0.4	0.8
	TC	>1600	>1600	1600	920	>1600	>1600	>1600	>1600	>1600	>1600	920	>1600
Stream /Nala D/s MSW Processing Site, Shimla	pH	7.37	7.54	7.69	7.07	7.42	7.57	7.92	7.88	7.76	7.73	7.43	8.03
	DO	6.1	6.7	6.8	6.7	6.7	6.2	6.3	6.2	6.0	6.5	6.0	6.1
	BOD	56.0	5.8	16.4	16	2.4	3.6	7	9.2	90.0	20.0	15.0	8.8
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	1600	>1600
Lift Nala before conf. to Ashwani Khad near Dogrha bridge	pH	7.41	7.74	7.59	7.50	7.52	8.05	7.67	7.68	7.52	7.61	7.48	7.79
	DO	6.9	7.0	6.8	6.7	6.7	6.6	6.9	6.9	6.5	6.0	6.4	6.6
	BOD	6.8	8.8	10.2	10	2.8	4.0	3.0	3.8	40.0	1.1	15.0	2.2
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600
U/s of weir site of WTP near Ashwani Khad.	pH	7.26	7.48	8.04	7.37	7.74	8.18	8.10	7.69	8.24	7.71	7.58	7.70
	DO	6.8	7.8	7.0	6.9	6.9	6.9	7.0	7.1	7.1	8.0	7.3	7.1
	BOD	80.0	7.2	5.6	8.2	2.2	1.8	3.0	2.4	0.8	1.8	1.2	2.5
	TC	>1600	>1600	>1600	>1600	>1600	>1600	14.0	>1600	>1600	>1600	1600	>1600
D/s Ashwani Khad	pH	7.65	7.47	7.70	7.54	7.37	8.16	7.58	7.74	7.84	7.63	7.65	7.67
	DO	7.0	7.6	6.9	6.8	6.8	6.7	6.8	7.1	7.0	7.1	7.4	7.2
	BOD	5.2	5.4	8.8	8.5	2.6	2.4	2.0	3.2	2.4	0.9	1.8	3.4
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600
Raw Water from Nauti Khad at Gumma	pH	8.43	8.42	8.59	8.44	7.72	8.41	8.16	8.57	8.22	7.68	8.41	8.11
	DO	8.8	8.9	7.6	7.8	7.5	7.8	7.5	7.4	7.7	7.0	8.0	8.2
	BOD	1.0	1.0	0.6	0.7	0.7	0.5	0.4	0.4	0.6	0.8	0.6	0.6
	TC	1600	540	1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	<1.8	540
Raw Water from Churat Nallah	pH	8.07	7.40	7.83	7.72	6.50	7.07	8.15	7.66	7.04	7.78	8.07	8.29
	DO	8.9	7.9	8.0	8.1	8.0	8.4	8.1	8.1	8.1	7.8	7.2	7.8
	BOD	1.0	0.9	0.5	0.5	0.5	0.6	0.5	0.6	0.8	0.8	0.5	0.5
	TC	>1600	>1600	>1600	1600	>1600	>1600	>1600	>1600	>1600	>1600	350	9.3

Name of location	Parameter	Apr-21	May-21	Jun- 21	Jul- 21	Aug-21	Sep-21	Oct- 21	Nov-21	Dec-21	Jan- 22	Feb-22	Mar- 22
Raw Water from Jagroti Nallah	pH	7.87	7.51	8.04	7.58	7.66	7.94	7.88	8.31	7.40	7.91	7.98	8.34
	DO	9.0	8.0	8.2	8.3	8.1	8.1	8.2	8.2	8.2	7.9	7.8	7.9
	BOD	1.0	0.8	0.6	0.5	0.7	0.6	0.7	0.8	0.7	0.6	0.5	0.5
	TC	>1600	>1600	1600	1600	>1600	>1600	>1600	1600	>1600	>1600	280	11
Sainj Nallah U/s Sainj WSS	pH	8.31	8.68	8.76	7.90	7.68	8.08	8.18	8.64	7.94	7.60	8.09	8.12
	DO	8.9	8.8	7.3	7.1	7.1	8.3	7.1	7.0	7.5	7.1	7.1	7.2
	BOD	1.0	1.0	0.7	0.8	0.6	0.5	0.6	0.4	0.5	0.9	0.6	0.5
	TC	>1600	350	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	280
Dhaneson Nallah	pH	7.82	8.10	8.80	8.43	7.73	8.38	8.19	8.62	7.57	7.49	8.40	8.07
	DO	9.0	8.9	7.1	7.2	7.0	8.5	7.0	7.1	7.8	7.0	7.0	7.3
	BOD	1.0	1.0	0.7	0.8	0.7	0.8	0.7	0.7	0.6	0.9	0.5	0.8
	TC	>1600	>1600	1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	1600
River Satluj D/s Rampur	pH	8.09	7.89	8.13	7.97	7.89	7.98	7.94	8.06	7.02	6.98	8.09	8.18
	DO	8.9	9.0	8.6	8.9	8.8	8.8	8.7	9.0	9.1	9.0	9.1	8.9
	BOD	0.8	1.2	0.5	0.8	1.2	0.5	0.6	0.7	0.6	0.5	0.5	0.5
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	1600
River Satluj U/s Rampur	pH	8.07	7.76	8.04	7.98	7.87	8.02	7.94	8.08	7.89	6.97	7.97	8.10
	DO	9.1	9.1	8.6	8.7	8.8	9.0	8.9	9.0	9.1	9.1	9.1	9.1
	BOD	0.5	1.0	0.4	0.6	0.7	0.6	0.6	0.6	1.0	0.6	0.6	0.5
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	350	350
River Satluj at Wangtoo Bridge	pH	8.10	7.81	8.12	8.00	7.92	7.98	8.14	8.18	7.62	6.74	8.54	8.31
	DO	9.1	9.0	8.8	8.8	8.9	8.9	8.7	9.1	9.2	9.1	9.2	9.3
	BOD	0.6	0.7	0.5	0.4	0.9	0.5	0.4	0.8	0.8	0.6	0.4	0.6
	TC	>1600	>1600	540	>1600	>1600	>1600	>1600	920.0	>1600	>1600	220	280
River Baspa U/s reservoir Baspa HEP at Kuppa	pH	7.11	7.68	7.87	8.12	8.04	8.47	8.10	8.15	6.98	8.10	8.43	8.34
	DO	9.2	9.3	9.1	9.3	9.1	9.3	9.2	9.4	9.2	9.4	9.7	9.6
	BOD	0.3	0.4	0.4	0.5	0.7	0.5	0.3	0.4	0.6	0.5	0.5	0.6
	TC	1600.0	>1600	>1600	>1600	49	>1600	>1600	>1600	>1600	<1.8	2	350
River Satluj before conf. with River Spiti at Khab	pH	8.23	7.47	7.94	7.91	7.90	7.80	8.08	7.16	7.60	7.78	8.42	8.37
	DO	9.2	9.2	9.0	9.1	9.2	9.1	9.1	9.2	9.3	9.4	9.4	8.9
	BOD	0.4	0.6	0.5	0.7	0.5	0.5	0.4	0.6	0.9	0.6	0.5	0.5
	TC	1600.0	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	1600	350
River Spiti	pH	8.03	7.53	8.06	7.99	7.89	8.19	8.14	7.70	7.28	7.95	8.26	8.51
	DO	9.5	9.3	9.1	9.2	9.3	9.2	9.2	9.3	9.4	9.5	9.5	9.6

Name of location	Parameter	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
before conf. with River Satluj at Khab	BOD	0.3	0.5	0.4	0.5	0.9	0.6	0.5	0.8	0.6	0.5	0.6	0.6
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	350	280	<1.8
River Satluj after conf. with River Spiti at Khab	pH	8.21	7.60	8.11	8.01	7.77	7.94	8.15	7.40	7.88	8.04	8.48	8.56
	DO	9.3	9.4	9.0	9.3	9.0	9.0	9.0	9.2	9.3	9.4	9.4	9.5
	BOD	0.4	0.5	0.4	0.6	1.3	0.5	0.4	0.4	0.5	0.5	0.6	0.6
	TC	>1600	350	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	280	350
Karcham Dam	pH	8.21	7.51	8.14	8.01	7.94	7.95	8.13	8.15	8.24	8.11	8.42	8.49
	DO	9.2	9.1	8.9	8.9	8.7	9.2	9.1	9.3	9.2	9.2	9.2	9.2
	BOD	0.7	0.5	0.5	0.6	0.7	0.6	0.5	0.6	0.8	0.7	0.5	0.6
	TC	1600.0	1600	1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	280	1600
R. Satluj U/s Tattapani	pH	8.10	**	7.44	7.43	7.82	7.92	8.16	8.05	7.84	7.57	8.30	8.14
	DO	8.9	**	8.7	8.7	8.5	8.9	8.7	8.9	8.8	9.0	9.0	8.9
	BOD	0.5	**	0.6	0.7	0.7	0.5	0.4	0.6	0.7	0.5	0.4	0.6
	TC	>1600	**	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	350	9.3
River Satluj D/s TRT OF RHEP	pH	7.77	7.60	8.07	7.98	7.90	8.16	7.93	8.13	7.24	7.37	8.31	8.19
	DO	9.0	9.0	8.5	8.8	8.7	9.0	8.9	9.0	9.1	9.1	9.0	9.0
	BOD	0.7	1.0	0.5	0.6	0.8	0.5	0.6	0.6	0.7	0.6	0.5	0.5
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	350	1600	1600.0
River Satluj U/s confluence with River Tidong	pH	8.24	7.61	8.05	7.98	7.89	8.03	8.19	8.05	8.56	8.06	8.52	8.52
	DO	9.1	9.0	8.8	8.9	8.9	9.0	8.8	9.0	9.1	9.3	9.3	9.4
	BOD	0.6	0.4	0.0	0.5	1.2	0.6	0.5	0.4	0.8	0.6	0.4	0.5
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	110.0	>1600	>1600	280	350
River Satluj D/s confluence with River Tidong	pH	8.27	7.65	8.11	8.03	7.85	8.08	8.19	7.85	7.92	8.06	8.43	8.56
	DO	9.2	9.1	8.9	9.0	8.9	9.1	8.9	9.1	9.2	9.3	9.3	9.4
	BOD	0.6	0.5	0.5	0.5	0.5	0.6	0.4	0.6	0.6	0.5	0.4	0.5
	TC	>1600	>1600	1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	1600	1600
River Satluj D/s Power House at Kashang HEP	pH	8.25	7.54	8.10	7.97	7.92	8.06	8.20	7.96	7.71	8.07	8.43	8.47
	DO	9.1	9.0	8.7	8.9	8.8	9.1	9.0	9.0	9.1	9.2	9.3	9.3
	BOD	0.7	0.5	0.4	0.8	1.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5
	TC	>1600	920	1600	>1600	>1600	>1600	>1600	540.0	>1600	>1600	350	350
Satluj River D/s Tidong HEP	pH	8.29	7.71	8.09	8.01	7.92	7.93	8.16	8.12	7.97	8.14	8.46	8.56
	DO	9.2	9.1	8.8	9.0	8.9	9.0	8.8	9.1	9.0	9.3	9.3	9.4
	BOD	0.7	0.7	0.6	0.7	1.4	0.6	0.5	0.8	0.8	0.5	0.6	0.6
	TC	>1600	540	1600	>1600	>1600	>1600	>1600	920.	>1600	>1600	350	1600

Name of location	Parameter	Apr-21	May-21	Jun- 21	Jul- 21	Aug-21	Sep-21	Oct- 21	Nov-21	Dec-21	Jan- 22	Feb-22	Mar- 22
		00		0	00	00	00	0	00	00		0	
R Satluj U/s landfill site of Rampur	pH	7.91	7.62	7.76	8.00	7.84	8.26	7.78	8.00	7.76	6.85	7.97	8.09
	DO	9.2	9.2	8.7	8.7	8.8	8.9	8.8	9.0	9.1	9.1	9.2	9.0
	BOD	0.5	0.9	0.4	0.8	0.8	0.5	0.5	0.4	0.9	0.5	0.5	0.6
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	1600	>1600	1600
R Satluj D/s landfill site of Rampur	pH	7.71	7.78	7.90	7.91	7.90	8.34	7.97	7.95	7.19	6.94	7.95	8.15
	DO	9.1	9.1	8.6	8.8	9.4	9.0	8.9	8.4	9.0	9.0	9.1	9.0
	BOD	0.8	1.0	0.5	0.7	0.9	0.4	0.4	0.4	0.6	0.5	0.5	0.4
	TC	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600
R. Satluj U/s Conf with Ganvi Khad	pH	7.98	7.73	8.15	8.02	7.92	8.05	8.20	8.13	7.67	6.82	8.57	8.18
	DO	9.5	9.2	8.9	9.0	9.0	9.0	8.9	9.1	9.2	9.1	9.4	9.3
	BOD	0.4	0.8	0.4	0.5	0.7	0.4	0.3	0.4	0.8	0.6	0.4	0.6
	TC	49.0	>1600	>1600	>1600	>1600	>1600	>1600	920.0	>1600	>1600	350	280
R. Satluj D/s Conf with Ganvi Khad	pH	7.76	7.75	8.13	7.98	7.87	8.02	8.19	8.08	7.75	6.83	8.39	8.17
	DO	9.4	9.3	8.9	9.0	9.0	9.1	9.0	9.5	9.3	9.0	9.4	9.3
	BOD	0.4	0.7	0.5	0.5	0.8	0.5	0.4	0.4	0.7	0.5	0.5	0.5
	TC	1600.0	220	>1600	>1600	>1600	>1600	>1600	350.0	>1600	>1600	1600	350
R. Satluj U/s Conf. of River Baspa	pH	8.17	7.94	8.05	8.00	8.01	7.84	8.13	8.08	7.57	8.08	8.41	8.53
	DO	8.8	9.0	8.7	8.9	8.7	9.1	9.0	9.1	9.3	9.2	9.2	9.2
	BOD	0.5	0.8	0.6	0.8	0.4	0.4	0.4	0.4	0.7	6.0	0.4	0.7
	TC	>1600	>1600	920	>1600	>1600	>1600	>1600	350.0	>1600	>1600	>1600	350
R. Satluj D/s Conf. of River Baspa	pH	8.20	7.70	8.11	8.02	7.95	8.07	8.08	8.05	7.36	6.70	8.46	8.35
	DO	9.2	9.2	8.8	9.0	8.8	9.0	8.9	9.2	9.1	9.2	9.3	9.3
	BOD	0.5	0.6	0.6	0.5	1.1	0.5	0.5	0.6	0.8	0.5	0.6	0.6
	TC	1600.0	>1600	920	>1600	>1600	>1600	>1600	>1600	>1600	>1600	39	350
Halog Nallah water supply scheme Bag Khaneri, Halog	pH	8.10	7.46	8.04	7.93	7.91	8.27	8.18	8.01	7.58	7.51	8.36	8.35
	DO	9.6	9.6	9.4	9.4	9.4	9.6	9.5	9.5	9.7	9.5	9.7	9.7
	BOD	0.4	0.5	0.4	0.4	0.7	0.6	0.4	0.4	0.7	0.5	0.5	0.5
	TC	49.0	>1600	1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	350	280
Machada Nallah, Majhouthi Water supply Scheme, Nirsu, Majhouthi	pH	7.88	7.92	7.99	7.84	7.70	8.11	7.52	8.19	7.72	7.45	8.13	8.14
	DO	9.5	9.5	9.3	9.5	9.4	9.4	9.4	9.5	9.6	9.6	9.7	9.5
	BOD	0.5	0.5	0.4	0.5	0.4	0.5	0.6	0.6	0.8	0.5	0.5	0.6
	TC	>1600	1600	>1600	33	>1600	>1600	>1600	>1600	>1600	>1600	920	170

Name of location	Parameter	Apr -21	May -21	Jun- 21	Jul- 21	Aug -21	Sep -21	Oct- 21	Nov -21	Dec -21	Jan- 22	Feb -22	Mar- 22
River Yamuna U/s Paonta Sahib	pH	7.61	7.68	7.75	7.66	7.64	7.48	7.85	8.01	7.98	8.00	7.90	7.78
	DO	7.7	7.9	7.5	7.4	7.3	7.4	7.5	7.8	8.1	8.1	8.3	8.4
	BOD	1.0	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	TC	70.0	79.0	49.0	79.0	110.0	120.0	94.0	70.0	70.0	110.0	110.0	130.0
River Yamuna D/s Paonta Sahib	pH	7.56	7.49	7.72	7.83	7.38	7.42	7.78	7.46	7.84	7.97	8.02	7.74
	DO	7.7	7.5	7.5	7.3	7.3	7.2	7.4	7.8	7.9	7.9	8.1	8.3
	BOD	1.6	1.2	2.1	1.6	1.9	1.2	1.1	1.3	1.2	1.2	1.6	1.9
	TC	110.0	110.0	110.0	120.0	280.0	220.0	170.0	140.0	140.0	170.0	210.0	280.0
River Batta U/s Paonta Sahib	pH	7.61	7.48	7.77	7.88	7.37	7.54	7.62	7.73	7.85	7.94	7.92	7.73
	DO	7.8	7.7	7.5	7.6	7.3	7.4	7.6	7.9	7.8	8.0	8.1	8.2
	BOD	1.4	1.1	1.0	1.0	1.8	1.0	1.0	1.0	1.1	1.1	1.2	1.2
	TC	94.0	68.0	63.0	94.0	170.0	140.0	110.0	79.0	130.0	170.0	170.0	170.0
River Batta D/s Paonta Sahib	pH	7.62	7.43	7.72	7.66	7.39	7.32	7.65	7.68	7.83	7.92	7.83	7.96
	DO	7.8	7.6	7.4	7.5	7.4	7.4	7.5	7.9	7.7	7.9	8.0	8.1
	BOD	1.5	1.3	1.8	1.4	2.0	1.1	1.0	1.1	1.1	1.3	1.0	1.3
	TC	79.0	76.0	94.0	79.0	220.0	210.0	130.0	94.0	170.0	210.0	150.0	210.0
River Yamuna U/S of Ranbaxy Paonta Sahib	pH	7.70	7.55	7.47	7.77	7.7	7.39	7.87	7.80	8.01	7.90	7.86	7.97
	DO	5.6	7.5	7.4	7.3	7.4	7.3	7.4	7.9	7.9	8.4	8.2	8.3
	BOD	1.5	1.6	1.4	1.9	1.4	1.1	1.3	1.2	1.2	1.0	1.4	1.5
	TC	130.0	170.0	140.0	220.0	170.0	130.0	130.0	130.0	170.0	140.0	170.0	220.0
River Yamuna D/S of Ranbaxy Paonta Sahib	pH	7.59	7.57	7.79	7.75	7.59	7.51	7.96	7.88	8.00	7.98	7.85	7.88
	DO	7.6	7.4	7.3	7.3	7.4	7.3	7.4	7.8	7.8	7.9	8.1	8.2
	BOD	1.8	1.7	1.4	1.8	1.6	1.4	1.5	1.3	1.6	1.4	1.7	1.8
	TC	170.0	220.0	49.0	170.0	220.0	170.0	170.0	170.0	220.0	220.0	220.0	280.0
River Giri D/s CCI India, Rajban	pH	7.56	7.68	7.82	7.84	7.65	7.36	7.99	8.04	7.79	7.87	8.13	7.60
	DO	7.5	7.4	7.4	7.3	7.4	7.4	7.6	7.7	7.7	7.9	7.9	8.0
	BOD	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.2	1.3
	TC	48.0	48.0	49.0	70.0	49.0	49.0	49.0	49.0	46.0	49.0	46.0	63.0
River Giri D/s Sataun	pH	7.44	7.57	7.81	7.72	7.68	7.30	7.84	7.95	7.99	7.90	8.02	7.68
	DO	7.5	7.5	7.5	7.4	7.5	7.5	7.5	7.8	7.9	7.9	8.0	8.1
	BOD	1.1	1.1	1.4	1.0	1.0	1.0	1.0	1.2	1.1	1.1	1.1	1.1
	TC	49.0	49.0	47.0	63.0	70.0	47.0	49.0	40.0	49.0	40.0	47.0	70.0
River Giri U/s CCI Mines	pH	7.55	7.51	7.79	7.54	7.74	7.33	7.90	7.96	7.90	7.94	8.01	8.04
	DO	7.6	7.6	7.4	7.5	7.5	7.5	7.6	7.9	7.8	8.0	8.1	8.2
	BOD	1.0	1.0	1.9	1.0	1.0	1.0	1.0	8.0	1.0	1.1	1.1	1.0
	TC	47.0	39.0	40.0	49.0	46.0	34.0	47.0	39.0	39.0	40.0	40.0	47.0
Renuka Ji Lake	pH	7.96	8.47	7.94	7.55	7.91	7.67	7.71	7.82	7.93	7.95	7.93	7.94
	DO	6.7	6.9	7.5	7.7	7.7	7.9	8.1	7.6	7.8	7.9	5.0	7.9

Name of location	Parameter	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
	BOD	2.0	1.8	1.5	1.8	1.4	1.1	1.0	1.0	1.2	1.0	1.3	1.7
	TC	240.0	220.0	240.0	350.0	170.0	280.0	170.0	130.0	140.0	210.0	220.0	280.0
River Giri D/s Rajgarh Town	pH	7.23	7.67	7.84	7.48	7.44	7.58	7.72	7.98	7.76	7.55	7.87	8.08
	DO	7.4	7.4	7.2	7.5	7.5	7.6	7.7	7.8	7.8	8.3	8.0	8.3
	BOD	1.7	1.0	1.2	1.3	1.5	1.0	1.1	1.0	1.2	1.0	1.3	1.3
	TC	94.0	79.0	170.0	220.0	130.0	150.0	170.0	120.0	170.0	140.0	140.0	170.0
River Giri U/s proposed site of Shri Renuka Ji Dam site.	pH	7.99	7.85	7.85	7.67	7.60	7.42	7.72	7.95	7.68	7.93	7.97	8.05
	DO	7.4	7.5	7.3	7.2	7.6	7.8	7.8	7.9	7.8	8.0	8.1	8.2
	BOD	1.6	1.0	2.0	1.6	1.5	1.0	1.1	1.2	1.0	1.3	1.1	1.0
	TC	70.0	79.0	140.0	210.0	110.0	170.0	140.0	94.0	130.0	220.0	140.0	130.0
River Giri D/s proposed site of Shri Renuka ji Dam site at Dadahu-Renuka ji bridge	pH	8.13	7.84	7.74	7.47	7.44	7.54	7.83	7.98	7.63	7.86	7.88	8.06
	DO	7.2	7.4	7.4	7.3	7.5	7.7	7.8	7.8	7.7	8.3	8.0	8.1
	BOD	1.8	1.4	1.5	1.5	1.7	1.1	1.2	1.1	1.0	1.1	1.5	1.3
	TC	110.0	110.0	170.0	280.0	140.0	220.0	220.0	140.0	170.0	170.0	170.0	210.0
River Giri D/s proposed site of Shri Renuka ji Dam	pH	8.19	7.98	7.83	7.22	7.57	7.64	7.75	7.94	7.57	7.95	7.95	8.17
	DO	7.2	7.4	7.5	7.4	7.5	7.7	7.8	7.8	7.7	8.3	8.0	8.1
	BOD	2.0	1.3	1.3	1.6	1.9	1.3	1.3	1.0	1.2	1.2	1.4	1.2
	TC	110.0	94.0	170.0	240.0	220.0	170.0	170.0	170.0	140.0	170.0	210.0	170.0
River Giri D/s Kalgidhar Trust, Baru Sahib	pH	8.35	7.88	7.82	7.37	7.47	7.56	7.70	8.05	7.72	7.85	7.81	8.24
	DO	7.3	7.5	7.1	7.4	7.4	7.5	7.6	7.9	7.9	8.1	7.9	8.2
	BOD	2.2	1.5	1.1	1.5	1.7	1.0	1.0	1.2	1.1	1.0	1.4	1.3
	TC	94.0	79.0	150.0	280.0	170.0	210.0	140.0	140.0	170.0	130.0	170.0	140.0
River Markanda at Paonta Sahib	pH	7.26	7.80	7.66	7.33	7.95	7.32	7.74	7.82	8.01	8.03	8.13	7.63
	DO	8.1	7.7	8.0	7.2	8.1	8.2	8.3	9.1	9.0	9.0	7.9	8.9
	BOD	1.0	1.0	1.0	2.6	1.0	1.0	1.0	1.0	1.0	1.1	1.3	1.4
	TC	94.0	110.0	70.0	170.0	120.0	110.0	140.0	70.0	70.0	170.0	170.0	170.0
Taalo Nala (From Nahan Town) at Khadar ka Bagh B/c to River	pH	7.48	7.81	7.71	7.07	8.00	7.49	7.62	7.89	8.12	8.20	8.01	7.57
	DO	6.8	7.4	6.7	6.1	7.3	7.2	7.1	7.1	7.2	7.1	6.8	7.0
	BOD	2.0	1.6	1.6	2.8	2.0	1.0	1.4	1.5	1.7	1.2	1.4	1.8
	TC	280.0	170.0	120.0	350.0	220.0	220.0	170.0	110.0	350.0	220.0	280.0	280.0

Name of location	Parameter	Apr -21	May -21	Jun- 21	Jul- 21	Aug -21	Sep -21	Oct- 21	Nov -21	Dec-21	Jan- 22	Feb -22	Mar- 22
Markanda													
Salani Khad Near Bridge NH-7 Moginand Kala Amb	pH	7.70	SO U	7.80	7.29	7.82	7.86	7.72	7.82	7.99	7.89	8.07	7.22
	DO	7.1	RC	7.2	7.1	7.2	7.3	7.5	7.4	7.3	7.1	6.9	7.1
	BOD	2.1	E	1.8	3.8	2.2	1.2	1.3	1.3	1.4	1.3	1.3	2.0
	TC	220.0	DR I ED	170.0	280.0	170.0	280.0	220.0	130.0	280.0	280.0	220.0	220.0
Markanda River D/s of Salani Khad	pH	7.90	7.51	7.29	7.33	7.85	7.32	7.75	7.84	7.90	7.81	8.01	7.36
	DO	8.2	7.6	8.1	7.2	8.3	8.4	8.4	8.8	4.4	8.5	7.4	8.4
	BOD	1.0	1.2	2.3	3.2	1.6	1.1	1.1	1.2	1.3	1.1	1.2	1.4
	TC	120.0	170.0	140.0	350.0	130.0	130.0	170.0	94.0	120.0	170.0	170.0	270.0
Rampur Jattan Moginand Nalla Before conf. to River Markanda Near Radha Swami Satsang Bhawan	pH	7.96	7.97	7.56	7.07	7.82	7.14	7.68	8.10	7.95	7.62	7.55	7.68
	DO	6.1	6.4	6.1	6.2	6.2	6.3	6.3	6.2	6.1	6.0	6.6	6.1
	BOD	2.5	1.9	2.4	2.8	2.8	2.7	1.5	1.1	1.9	1.6	2.0	4.0
	TC	350.0	350.0	350.0	540.0	350.0	920.0	220.0	170.0	540.0	430.0	430.0	430.0
Markanda River D/s of Moginand Nallah	pH	7.94	7.57	7.76	7.21	8.00	7.05	7.72	7.85	8.05	7.83	7.98	7.79
	DO	8.2	7.5	8.1	7.2	8.4	8.4	8.2	8.9	8.7	8.5	7.5	8.5
	BOD	1.2	1.3	1.9	4.0	1.3	1.0	1.4	1.0	1.5	1.3	1.4	2.8
	TC	120.0	220.0	170.0	350.0	140.0	170.0	170.0	130.0	140.0	170.0	210.0	220.0
River Markanda U/s Kala Amb	pH	7.41	7.62	7.83	7.24	7.89	7.04	7.70	8.10	7.92	7.52	8.00	8.12
	DO	8.1	7.5	8.3	7.1	8.2	8.1	8.5	8.7	8.6	8.5	7.5	8.5
	BOD	1.1	1.2	1.1	2.9	1.7	1.2	1.7	1.2	1.3	1.4	1.4	1.8
	TC	170.0	220.0	170.0	350.0	170.0	170.0	210.0	350.0	170.0	220.0	280.0	280.0
River Markanda D/s Kala Amb	pH	7.41	7.87	7.76	7.22	7.99	6.98	7.58	7.83	7.97	7.55	7.96	8.01
	DO	8.1	7.4	8.1	7.1	8.1	8.1	8.4	8.9	8.8	8.6	7.6	8.6
	BOD	1.4	1.5	1.3	2.4	1.9	1.1	1.6	1.3	1.5	1.6	1.5	2.0
	TC	210.0	280.0	220.0	430.0	220.0	350.0	280.0	170.0	220.0	350.0	280.0	280.0
Roon Nallah Near Meerpur Kotla, Gurudwara	pH	SO U	SO U	7.94	7.29	7.71	7.13	7.57	8.08	8.06	8.03	8.10	8.02
	DO	RCE	RC E	7.8	7.2	8.3	8.4	8.2	8.4	8.2	8.1	7.4	8.4
	BOD			1.0	2.2	1.0	1.0	1.0	1.0	1.1	1.3	1.1	1.4
	TC	DR I ED	DR I ED	210.0	280.0	110.0	370.0	130.0	94.0	210.0	280.0	220.0	220.0

Name of location	Parameter	Apr -21	May -21	Jun - 21	Jul - 21	Aug -21	Sep -21	Oct - 21	Nov -21	Dec-21	Jan - 22	Feb -22	Mar - 22
U/S Slapper, River Satluj	pH	7.52	7.33	7.64	7.76	7.82	8.62	7.36	7.79	8.03	7.79	7.8	8.03
	DO	9.2	8.9	9.2	9.4	8.3	9	9.3	9.1	9.7	9.6	9.7	9.2
	BOD	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
	TC	280	170	220	280	240	350	240	210	170	220	220	280
D/S Slapper, Satluj River after Conf. with River Beas	pH	7.74	7.27	7.72	7.53	7.75	7.97	7.16	7.72	7.92	7.87	7.89	8.33
	DO	9.5	9.4	9.3	9.6	8.5	8.9	9.2	9.2	9.6	9.7	9.6	9
	BOD	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3
	TC	540	210	240	350	350	430	350	280	280	280	280	540
Exit of Dehar Power House, Beas River	pH	7.62	7.63	7.68	7.99	8	7.54	7.27	7.88	7.97	7.95	7.73	8.12
	DO	9.1	8.7	8.8	9.3	8.7	8.4	8.5	9.2	9.4	9.6	9.7	8.6
	BOD	0.2	0.1	0.2	0.3	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.2
	TC	430	240	540	430	430	350	430	350	220	430	350	430
D/s Bilaspur at Govindsagar	pH	7.8	7.71	7.68	7.88	7.22	7.88	8.04	7.91	7.78	7.85	8.13	8.01
	DO	9.3	8.8	8.4	9.6	9.1	8.9	9.1	9.4	9.7	9.6	9.4	8.8
	BOD	0.4	0.4	0.4	0.5	0.3	0.6	0.4	0.5	0.6	0.5	0.6	0.8
	TC	1600	280	>1600	540	920	1600	920	920	920	920	540	1600
U/s Mandi, Beas River)	pH	7.6	7.32	7.66	7.45	7.53	7.69	8.08	7.98	8.16	8.48	7.83	7.92
	DO	9.2	9.6	9.4	8.9	8.5	8.4	9.3	9.3	8.9	9.5	9.2	9.6
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	170	220	240	240	220	120	280	240	220	170	210	220
D/s Mandi, Beas River	pH	7.7	7.53	7.5	7.45	7.46	7.19	7.84	7.68	8.35	8.47	8.15	8.25
	DO	8.8	9	9.2	8.7	8.4	8.2	9.2	8.1	8.8	8.9	9.2	9.3
	BOD	0.2	0.2	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.4
	TC	240	540	920	540	430	540	540	430	430	430	540	920
Rewalsar Lake	pH	7.51	7.41	7.6	7.08	7.24	7.3	6.94	7.46	7.99	7.64	8.41	8.26
	DO	5.6	9.8	8.9	8.8	8.9	7.2	5.3	6.1	6.8	7.2	7	7.8
	BOD	2.4	5	3	2.8	2	1.2	0.3	2.8	2	2.8	3.6	2.1
	TC	1600	1600	>1600	920	920	1600	1600	920	1600	1600	1600	>1600
D/s Mandi, Suketi Khudd (2607)	pH	7.32	7.64	7.84	7.63	7.44	7.56	8.55	7.64	8.43	8.16	8.13	8.03
	DO	8.7	9	8.6	8.2	8.1	8.2	8	8.7	8.6	8.8	8.8	8.8
	BOD	0.3	0.3	0.3	0.6	0.3	0.4	0.2	0.4	0.3	0.5	0.4	0.6
	TC	920	540	920	920	540	920	350	920	920	540	1600	>1600
R. Beas, U/s Pandoh Dam	pH	7.23	7.09	7.36	7.31	7.96	7.54	7.56	7.68	7.39	7.75	8.16	7.72
	DO	8.9	6.6	9.2	8.4	8.3	8.7	8.9	9.1	8.9	9.2	9.2	9.2
	BOD	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
	TC	150	240	350	240	280	350	350	220	240	210	240	280

Name of location	Parameter	Apr -21	May -21	Jun - 21	Jul- 21	Aug -21	Sep -21	Oct- 21	Nov -21	Dec -21	Jan- 22	Feb -22	Mar- 22
Upstream to R. Beas at Bhunter	TC	240	210	220	220	210	280	220	220	170	240	220	210
Manalsu Nalla before conf to R. Beas	pH	7.8	7.06	7.05	8.09	7.26	8.08	7.09	7.68	7.33	8.25	7.43	8.11
	DO	8.9	8.3	8.5	7.9	8.2	8.3	8.1	7.9	7.9	9.9	9.5	9.3
	BOD	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	280	210	240	240	150	350	240	170	150	150	240	240
Sarvari Nalla before conf. to river Beas.	pH	7.78	7.36	7.56	7.63	7.42	7.76	7.78	7.98	7.74	7.82	7.68	8.01
	DO	8.1	8.8	8.1	7.8	8	8.2	8.2	7.9	7.9	8.1	8.5	8.4
	BOD	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	430	240	210	170	240	240	220	210	210	210	210	220
Baragran Nalla before conf to R. beas	pH	7.16	8.19	7.08	7.28	6.96	7.24	7.12	7.71	7.46	7.62	8.1	7.86
	DO	8.7	8.3	8.5	7.8	7.8	7.8	8.2	7.6	8.7	10.1	9.6	9.4
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	350	280	210	210	150	220	240	280	150	220	210	170
U/s Khairian SW dumping site Bilaspur	pH	7.94	7.86	7.78	7.87	7.12	7.7	8.31	7.67	7.7	7.65	8.13	7.54
	DO	9.4	8.7	8.4	9.5	8.7	8.8	9.3	9.3	9.8	9.6	9.5	8.9
	BOD	0.3	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.2	0.2	0.2	0.2
	TC	280	140	350	240	350	1600	430	280	280	210	280	350
D/s Khairian SW dumping site Bilaspur	pH	7.88	7.78	7.71	8.04	7.07	7.56	8.19	7.72	7.87	7.79	8.06	7.79
	DO	9.2	8.8	8.2	9.5	8.9	8.7	9	8.5	8.7	9.5	9.4	8.6
	BOD	0.2	0.3	6.4	0.4	0.3	0.6	0.4	0.5	0.4	0.4	0.5	0.6
	TC	430	150	>1600	350	540	>1600	920	540	430	540	430	920
R. Beas D/s Manalsu Nalla	pH	7.43	7.34	7.48	7.76	7.59	7.13	6.86	7.71	7.56	7.24	7.95	7.92
	DO	8.8	8.1	8.1	7.9	8.1	8.2	8.1	7.9	7.8	10	9.5	9.3
	BOD	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2
	TC	430	240	280	280	280	280	350	240	170	240	220	350
R. Tirthan before conf to R. Sainj	pH	7.7	7.22	7.2	7.19	7.43	7.78	7.57	7.5	7.84	8.16	7.94	7.67
	DO	8.1	9	8.1	8.3	7.6	8.9	8.3	8.7	8.2	8.2	8.5	8.4
	BOD	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	350	430	280	280	220	240	280	240	170	170	210	210
R. Beas at Raison	pH	7.48	7.48	7.19	8.27	7.36	7.85	7.86	7.61	6.96	7.94	7.26	7.47
	DO	8.5	8.1	8.2	7.6	7.7	7.9	8.1	7.5	8.5	9.6	9.4	9.2
	BOD	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2
	TC	280	350	280	350	280	350	280	350	280	280	350	350
R. Beas D/s of WPF Manali	pH	7.2	7.8	7.92	7.44	7.39	7.12	6.94	7.57	6.96	7.39	7.36	7.71
	DO	8.6	7.9	7.9	7.8	7.9	7.9	8.1	7.7	8.4	9.7	9.3	9.1
	BOD	0.3	0.2	0.1	0.1	0.3	0.5	0.5	0.3	0.3	0.2	0.5	0.6
	TC	540	430	>1600	920	430	>1600	>1600	1600	920	540	920	1600

ame of location	Parameter	Apr-21	May-21	Jun- 21	Jul- 21	Aug-21	Sep-21	Oct- 21	Nov-21	Dec-21	Jan- 22	Feb -22	Mar- 22
R. Beas D/s of WPF Kullu	pH	7.37	7.58	7.19	7.28	7.46	7.28	7.24	7.85	7.64	8.47	8.18	7.53
	DO	8.1	8.6	7.9	7.8	7.9	7.8	7.9	7.8	7.9	7.8	8.2	8.4
	BOD	0.3	0.3	0.2	0.4	0.2	0.4	0.3	0.5	0.4	0.6	0.4	0.3
	TC	540	540	140	920	350	1600	>1600	1600	540	920	1600	920
Alhi River Nog (near WSS intake) tributary of R. Satluj	pH	7.89	8.12	7.92	7.63	7.99	7.92	7.85	8.12	8.05	8.18	8.24	8.13
	DO	8.7	9.2	8.9	8.9	8.1	8.6	7.8	9.7	8.7	8.9	9.1	8.7
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	220	350	240	150	120	220	210	240	210	240	210	150
Harabag (Intake from BBMB source- BBMB Adit Harabag) water Spring	pH	7.1	7.78	7.98	7.38	7.05	6.72	6.35	7.75	7.36	7.25	7.85	7.24
	DO	8.9	9.2	9	9.1	8.2	9.2	-	7.2	7.6	7.9	8.4	8.9
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	210	220	280	210	140	170	240	220	240	150	220	210
Manalsu nalla (WSS from Manali town) U/s of Old Manali	pH	7.16	6.94	7.07	7.21	7.05	6.91	8.31	7.78	6.98	8.9	8.16	7.03
	DO	9	8.4	8.6	8	8.2	8.3	8.2	8	8.7	10.2	9.7	9.5
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	170	210	240	170	140	240	280	150	120	170	150	280
Khalada nalla WSS Kullu Town	pH	7.95	7.6	7.85	7.48	7.66	7.79	7.82	7.76	7.68	8.44	7.88	8.21
	DO	8.3	8.9	8.2	8.4	8.1	8.1	8.3	8.1	7.8	8.2	8.2	8.4
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	220	240	430	210	210	240	350	170	150	220	170	170
In lifting WSS Shamshi near sabzi Mandi Bhunter	pH	7.11	-	-	7.38	-	-	7.64	-	-	-	-	-
	DO	8.2	-	-	-	-	-	-	-	-	-	-	-
	BOD	0.1	-	-	0.1	-	-	0.1	-	-	-	-	-
	TC	150	-	-	130	-	-	170	-	-	-	-	-
Suketi Khad D/s SWM Site at SunderNagar	pH	-	-	-	-	-	-	-	-	-	7.66	7.78	7.71
	DO	-	-	-	-	-	-	-	-	-	8.9	8.5	8.9
	BOD	-	-	-	-	-	-	-	-	-	0.8	0.5	0.2
	TC	-	-	-	-	-	-	-	-	-	350	1600	540
Seer Khad U/s intake point of WSS Ghumarw	pH	-	-	-	-	-	-	-	-	-	7.93	8.14	8.48
	DO	-	-	-	-	-	-	-	-	-	9	9	8.3
	BOD	-	-	-	-	-	-	-	-	-	0.2	0.1	0.1
	TC	-	-	-	-	-	-	-	-	-	140	210	170

Name of location	Parameter	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
in Town													
Hurla Nalla D/s Hurla Nalla bridge	pH	-	-	-	-	-	-	-	-	-	8.03	8.09	8.24
	DO	-	-	-	-	-	-	-	-	-	7	7.9	7.5
	BOD	-	-	-	-	-	-	-	-	-	0.2	0.2	0.2
	TC	-	-	-	-	-	-	-	-	-	280	350	280
River Binwa D/s Paprola Baijnath	pH	7.46	7.59	7.68	7.33	7.49	7.14	7.53	7.41	7.65	7.53	7.71	6.9
	DO	7.6	5.5	8.6	7.5	8.1	8.2	8.6	8.6	7.0	8.2	8.1	8.6
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.1	BDL	BDL
	TC	24	31	31	26	25	27	25	31	39	31	33	27
Neugal Khad D/s Thural	pH	7.48	7.53	7.37	7.61	7.16	7.70	7.72	7.68	7.61	7.68	7.92	7.66
	DO	9.3	9.1	9.1	9.0	8.5	8.8	9.4	8.5	9.1	9.0	8.8	8.5
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	38	33	26	39	39	39	22	31	27	24	27	21
River Ravi U/S Chamba	pH	7.34	7.70	7.78	7.67	7.04	7.38	7.78	7.73	7.76	7.94	7.68	7.18
	DO	8.7	9.2	8.7	8.9	8.7	8.7	8.8	8.7	8.7	8.7	8.6	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	24	21	24	21	25	24	25	25	26	25	24	17
River Beas D/S Jaisinghpur	pH	7.98	7.90	7.93	7.83	7.31	7.78	8.08	7.32	8.02	7.92	8.10	7.81
	DO	9.1	9.2	9.1	9.1	9.0	9.0	8.6	9.0	8.4	9.1	9.0	9
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	33	34	27	39	33	34	31	27	27	33	26	15
River Beas D/S Alampur	pH	7.88	7.83	7.83	7.96	7.27	7.91	8.13	7.54	7.95	7.89	8.04	7.85
	DO	9.3	8.9	8.9	8.9	8.6	9.2	9.5	8.9	8.7	8.9	9.2	8.9
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	TC	31	39	33	33	31	33	21	26	21	22	31	17
River Ravi D/S Chamba	pH	7.64	7.89	7.84	7.66	7.02	7.28	7.85	7.97	7.84	7.98	7.82	7.24
	DO	8.7	9.0	8.7	8.7	8.6	8.5	8.6	8.6	8.6	8.6	8.5	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.2	BDL	BDL
	TC	27	25	26	26	26	27	32	27	31	31	33	24
Khajjiar Lake	pH	6.62	7.28	6.54	7.20	6.05	6.71	7.10	6.59	6.85	7.03	7.59	7.63
	DO	6.3	6.4	6.0	7.1	5.8	6.0	6.2	5.8	6.1	9.9	8.7	8.9
	BOD	1.2	1.0	1.2	1.8	1.2	1.0	1.0	2.0	3.0	0.1	1.0	1
	TC	39	63	70	70	79	63	49	79	84	14	21	27
River Ravi at Chamera Reservoir	pH	7.89	7.66	7.71	7.07	7.07	7.18	7.91	7.88	7.82	7.80	7.90	7.42
	DO	8.7	8.8	8.8	8.7	8.8	8.2	8.7	8.2	8.2	8.7	9.1	9.2
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	33	25	27	31	34	31	26	31	33	33	31	25
River Siul D/s Surgani	pH	7.60	7.52	7.57	7.78	7.15	7.37	7.64	7.67	7.61	7.61	7.72	7.33
	DO	8.8	8.6	8.8	8.8	8.8	8.1	8.9	8.7	8.7	8.6	9.2	9.1
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL

Name of location	Parameter	Apr -21	May -21	Jun - 21	Jul - 21	Aug -21	Sep -21	Oct - 21	Nov -21	Dec -21	Jan - 22	Feb -22	Mar - 22
	TC	31	26	47	27	33	33	33	33	31	33	38	21
River Ravi U/S Madhopur HWS	pH	7.34	7.70	7.68	7.89	7.17	7.88	7.25	7.47	7.88	7.53	7.80	-
	DO	5.8	7.1	8.9	9.0	5.4	8.4	8.9	9.0	8.4	6.2	9.0	-
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.3	BDL	-
	TC	47	47	39	43	49	49	43	33	31	41	21	-
River Satluj D/S Bhakhra	pH	7.80	7.75	7.61	7.50	7.55	7.53	7.52	7.48	7.47	7.76	7.57	7.38
	DO	9.1	8.9	8.8	9.2	9.0	8.8	9.4	8.2	9.4	9.1	8.8	9.1
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.2	BDL	BDL
	TC	58	63	58	63	63	58	49	63	58	49	63	21
River Swan D/s (Nangal) Santokhgarh	pH	7.90	7.84	7.75	7.76	7.40	7.80	7.89	7.80	7.68	7.88	7.68	7.43
	DO	7.3	7.2	7.4	7.7	7.3	7.3	7.3	7.8	7.4	7.4	7.3	7.8
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL	0.3	BDL	BDL
	TC	79	70	84	84	63	70	63	70	63	70	79	63
River Ravi D/s of proposed Dam site of Chamera-III HEP	pH	7.50	7.88	7.93	7.79	7.12	7.77	7.63	7.81	7.70	7.95	7.75	7.18
	DO	8.7	9.2	8.7	9.0	8.7	8.8	8.8	8.6	8.6	8.7	8.6	9.2
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.2	BDL	BDL
	TC	39	41	31	34	38	38	33	34	31	38	39	21
Pong Dam Lake at Pong Village	pH	7.99	7.99	7.87	7.63	7.14	7.70	8.18	7.95	7.98	7.26	7.56	7.67
	DO	7.5	9.0	9.2	9.1	9.0	8.5	9.1	9.0	6.0	6.0	9.0	7
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	63	33	25	26	27	26	26	25	31	32	21	24
River Beas U/s Pong Dam	pH	7.92	7.94	7.77	7.92	7.08	7.95	7.99	7.84	7.90	7.32	7.48	7.49
	DO	7.2	9.6	9.3	9.1	9.1	8.9	9.3	9.2	6.5	6.0	9.1	7.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	33	31	31	31	31	31	31	27	33	41	33	33
River Beas D/s Pong Dam	pH	7.88	7.97	7.90	7.98	7.02	7.67	7.97	7.90	7.84	7.55	7.60	7.53
	DO	7.0	9.1	9.1	9.0	9.0	8.7	9.0	8.8	7.0	4.8	9.0	7.7
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.8	BDL	BDL
	TC	38	39	39	39	39	39	39	39	41	63	38	38
River Beas D/s Dehra	pH	7.87	7.89	7.90	7.11	7.38	7.30	8.12	8.01	8.07	8.03	8.02	8.04
	DO	9.3	9.3	9.3	8.4	7.6	9.3	7.2	8.9	9.3	9.3	9.3	9.5
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	21	27	25	24	33	22	26	25	17	25	26	13
Swan River U/S Santoshgarh Bridge	pH	7.78	7.70	7.68	7.68	7.32	7.64	7.80	7.72	7.78	7.79	7.70	7.4
	DO	6.7	7.4	6.8	6.9	6.9	7.1	7.0	7.6	6.8	6.8	6.8	6.7
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.3	BDL	BDL
	TC	63	58	70	70	70	79	58	63	70	70	70	58
River	pH	7.89	7.81	8.02	8.05	7.44	7.94	8.09	7.98	8.04	7.99	7.94	7.82

Name of location	Parameter	Apr -21	May -21	Jun - 21	Jul- 21	Aug -21	Sep -21	Oct- 21	Nov -21	Dec -21	Jan- 22	Feb -22	Mar- 22
Beas D/s Nadoun Bridge Vill. Bharoli	DO	9.2	9.3	9.2	9.2	7.9	9.2	7.6	8.6	9.0	9.4	9.2	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.2	BDL	BDL
	TC	25	27	25	24	33	26	25	34	24	27	27	17
Swan River U/S Una Town Ghalluwal Bridge	pH	7.80	7.88	7.88	7.99	7.57	7.94	7.70	7.63	7.75	7.90	7.78	7.51
	DO	6.7	6.9	6.9	6.7	7.0	7.0	6.8	7.7	6.9	6.9	7.3	6.9
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.3	BDL	BDL
	TC	63	70	63	70	70	63	48	70	70	70	63	49
Swan River U/s Ind. Area Gagret	pH	7.88	7.86	7.88	7.84	7.75	7.84	7.11	7.26	7.26	7.73	7.69	7.42
	DO	7.4	6.9	7.3	7.1	7.2	6.9	7.2	7.8	7.4	7.2	7.2	7.1
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.2	BDL	BDL
	TC	49	38	41	46	46	47	41	47	49	43	49	33
Swan River D/s Ind. Area Gagret	pH	7.91	7.93	7.91	7.97	7.91	7.91	7.18	7.38	7.39	7.80	7.75	7.48
	DO	7.3	7.5	7.0	7.0	7.0	6.7	7.0	7.8	7.1	6.8	6.9	6.8
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL	0.3	BDL	BDL
	TC	41	41	48	43	43	41	43	43	53	49	94	38
River Ravi U/s STP Barga Chamba	pH	7.58	7.77	7.69	7.60	7.07	7.53	7.72	7.90	7.68	7.80	7.70	7.35
	DO	8.7	9.1	8.7	8.8	8.7	8.8	8.8	8.7	8.7	8.6	8.6	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	25	22	31	24	24	26	26	24	25	24	25	26
River Ravi D/s STP Bhagot	pH	7.70	7.84	7.88	7.59	6.96	7.10	7.94	7.84	7.80	7.77	7.79	7.26
	DO	8.7	8.9	8.7	8.7	8.7	8.4	8.7	8.6	8.6	8.6	8.5	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.2	BDL	BDL
	TC	31	31	31	33	33	33	33	31	33	31	27	27
Mol Khad U/s Palampur	pH	7.48	7.47	7.52	6.93	7.06	6.90	7.18	7.18	7.24	7.32	7.38	7.35
	DO	7.6	7.8	8.6	7.2	7.5	8.9	7.8	8.5	7.5	7.4	7.9	7.8
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	27	22	24	25	26	26	27	33	38	31	33	21
Mol Khad D/s Palampur	pH	7.51	7.52	7.58	6.78	7.13	6.98	7.25	7.22	7.31	7.48	7.42	7.48
	DO	7.2	5.3	8.6	7.2	7.4	8.1	7.4	8.2	7.0	7.1	7.1	7.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.1	BDL	BDL
	TC	41	34	33	39	39	39	31	39	41	43	39	26
Sahu Nallah D/S Bhuri Singh SHEP	pH	7.90	7.93	7.99	7.74	7.52	7.61	7.48	7.50	7.61	7.65	7.70	7.35
	DO	8.9	9.0	8.8	9.1	9.0	8.8	8.9	8.8	8.8	8.8	9.5	9.3
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	41	47	33	39	39	39	39	39	31	38	33	25
Sahu Nallah U/S Bhuri Singh SHEP	pH	7.84	7.85	7.96	7.57	7.44	7.50	7.33	7.45	7.66	7.58	7.67	7.21
	DO	8.9	8.9	8.8	9.1	9.0	8.8	8.9	8.8	8.8	8.8	9.5	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	33	31	25	31	31	31	33	31	27	31	31	22

Name of location	Parameter	Apr -21	May -21	Jun- 21	Jul- 21	Aug -21	Sep -21	Oct -21	Nov -21	Dec -21	Jan- 22	Feb -22	Mar- 22
Manjhi Khad U/s Dharams hala at Khaniyara	pH	7.42	7.31	7.38	7.83	7.20	7.66	7.80	7.48	7.89	7.51	7.63	6.92
	DO	8.2	8.0	7.8	8.4	7.5	7.2	7.9	7.8	8.5	7.1	8.1	8.6
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	21	22	25	22	22	22	17	24	26	24	22	14
Manjhi Khad D/s Dharams hala at Chetru	pH	7.66	7.61	7.61	7.70	7.28	7.79	7.98	7.57	7.90	7.69	7.71	6.98
	DO	7.4	7.7	7.4	8.0	7.4	7.0	7.5	7.1	7.1	7.0	8.0	8.3
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.2	BDL	BDL
	TC	32	33	33	33	39	31	27	33	38	33	31	21
Swan River B/C of Garni Khad	pH	7.88	7.80	7.60	7.79	7.30	7.79	7.61	7.66	7.46	7.65	7.75	7.59
	DO	7.2	7.5	7.1	7.3	7.3	7.1	7.4	7.7	7.5	7.2	6.9	7
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.2	BDL	BDL
	TC	47	48	58	49	48	49	43	49	58	49	58	49
Swan River A/C of Garni Khad	pH	7.76	7.75	7.77	7.88	7.49	7.87	7.67	7.70	7.58	7.71	7.82	7.3
	DO	6.9	7.3	7.0	7.1	7.2	7.2	7.2	7.6	7.3	7.0	7.4	7.6
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.3	BDL	BDL
	TC	58	63	70	63	63	58	48	58	70	58	70	58
Baner Khad U/s Chamunda Temple	pH	7.89	7.79	7.72	7.31	6.78	7.54	7.16	7.68	7.12	7.80	7.22	7.04
	DO	8.2	9.1	7.8	7.3	7.6	9.2	8.1	7.9	9.4	8.5	7.6	8.1
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	22	25	26	21	24	24	26	24	22	24	22	26
Baner Khad D/s Chamunda Temple	pH	8.02	7.88	7.81	7.49	6.65	7.65	7.21	7.76	7.19	7.88	7.28	7.11
	DO	7.8	9.2	7.2	7.0	7.4	9.0	7.9	7.6	9.2	8.2	7.3	7.9
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.2	BDL	BDL
	TC	26	32	41	27	27	27	27	27	24	31	27	27
River Gaj Water Supply Scheme near Dharams hala Cantt.	pH	7.62	7.53	7.41	7.81	7.14	7.71	7.91	7.51	7.67	7.63	7.52	7.1
	DO	9.2	9.1	9.1	-	9.2	9.1	9.0	9.1	9.1	9.1	9.1	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	14	22	17	17	17	14	21	14	17	21	17	26
River Bather Water Supply Scheme Dharams hala Near Dal Lake	pH	7.56	7.61	7.55	7.80	6.88	7.79	7.84	7.17	7.70	7.26	7.36	6.98
	DO	9.1	9.3	9.0	9.1	9.0	9.0	9.1	9.2	9.2	9.3	9.1	9
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	24	17	17	22	22	21	26	17	17	17	21	21
Charan Khad U/s Bhagsunga	pH	7.68	7.60	7.68	7.17	6.82	7.26	7.28	7.36	7.32	7.47	7.58	7.36
	DO	9.0	8.8	8.9	8.1	8.5	8.6	18.0	8.2	9.0	9.1	9.2	9.1
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	17	21	21	14	21	17	21	21	21	17	21	17

Name of location	Parameter	Apr -21	May -21	Jun - 21	Jul - 21	Aug -21	Sep -21	Oct - 21	Nov -21	Dec -21	Jan - 22	Feb -22	Mar - 22
Swan River D/S of Una at Rampur Bridge	pH	7.81	7.73	7.79	8.10	7.54	7.99	7.72	7.68	7.83	7.85	7.73	7.56
	DO	6.9	6.8	7.1	6.9	7.1	6.8	7.3	7.6	7.1	7.0	6.9	6.9
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL	0.3	BDL	BDL
	TC	70	79	63	79	79	70	70	79	63	79	84	58
Dhauli Khad at Charan Ganga Mairi	pH	7.63	7.67	7.80	7.81	8.04	7.78	6.70	7.09	7.08	7.59	7.52	7.3
	DO	7.6	7.7	7.5	7.8	7.5	6.8	7.6	7.5	7.6	7.6	6.8	7.6
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	0.2	BDL	BDL
	TC	31	27	31	33	33	33	27	33	31	39	41	26
Jarangla Nallah D/s IPH Water Supply (For Mohalla Mugla & Village Karian)	pH	7.82	7.70	7.81	7.97	7.37	7.80	7.52	7.65	7.42	7.70	7.56	7.41
	DO	8.9	9.4	8.8	8.9	8.9	9.1	8.9	9.1	9.1	8.8	8.3	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	24	27	33	25	31	21	21	25	26	26	27	21
Jarangla Nallah u/s IPH Water Supply	pH	7.76	7.67	7.77	7.91	6.88	7.83	7.44	7.63	7.36	7.61	7.48	7.09
	DO	8.9	9.4	8.8	8.9	8.9	9.2	8.9	9.2	9.2	8.8	8.5	9.4
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	21	17	21	21	24	22	17	21	22	24	25	17
Kulin Nallah U/s IPH Water Supply Scheme (For Chamba Town)	pH	7.94	7.98	7.84	7.86	7.36	7.43	7.47	7.70	7.40	7.93	7.87	7.12
	DO	9.0	9.3	8.9	8.8	9.1	9.1	8.9	8.9	8.9	8.9	10.5	9.7
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	22	21	26	21	25	21	25	24	24	24	22	14
Hathli Nallah Lift Water Supply Scheme for MC Hamirpur	pH	7.69	7.92	7.90	7.74	8.01	7.70	8.04	7.82	7.60	7.84	7.54	7.42
	DO	8.2	7.9	7.4	8.6	7.6	8.5	8.1	7.1	8.1	7.5	7.4	8.8
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	24	21	22	21	25	17	25	24	22	26	25	14
Lift Water Supply Scheme (Panjarar) and Bhot, Ropari & Ujhan (4482)	pH	7.72	8.01	7.92	7.70	7.86	7.67	8.09	7.74	7.86	7.93	7.73	7.31
	DO	8.1	8.0	7.6	8.4	7.8	8.4	7.9	7.2	7.9	7.7	7.4	8.6
	BOD	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	21	22	21	22	22	14	17	21	25	27	26	17
River Beas D/s	pH	7.24	7.51	7.63	7.55	7.90	7.58	7.76	7.69	7.78	7.32	7.77	7.37
	DO	9.1	8.2	8.3	8.8	8.1	8.2	8.4	7.8	8.2	7.9	7.8	8.9

Name of location	Parameter	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Nadaun Town after confluence of Maan Khad (4438)	BO D	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.3	BDL	BDL
	TC	26	34	33	31	49	27	31	43	41	31	33	25
River Beas U/s Nadaun Town	pH	7.31	7.47	7.56	7.48	7.88	7.50	7.64	7.61	7.61	7.18	7.82	7.31
	DO	9.0	8.3	8.4	8.5	8.3	8.5	8.3	7.8	8.5	7.8	8.0	9.1
	BO D	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.2	BDL	BDL
	TC	25	26	31	31	33	24	31	39	38	27	31	14
River Beas U/s Sujanpur Tihra	pH	7.51	7.74	7.67	7.13	7.44	7.22	7.61	7.63	7.70	7.72	7.80	7.32
	DO	9.0	8.3	8.4	8.8	8.1	9.0	8.4	7.8	8.7	7.9	8.2	9
	BO D	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	25	27	26	26	39	24	27	39	43	27	27	17
River Beas D/s Sujanpur Tihra	pH	7.56	7.61	7.70	7.02	7.58	7.18	7.66	7.70	8.01	7.85	7.89	7.39
	DO	9.1	8.3	8.4	9.1	8.2	8.6	8.6	7.7	8.7	7.8	7.9	8.9
	BO D	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	0.1	BDL	BDL
	TC	24	31	31	27	33	25	31	49	47	34	39	23
River Neugal WSS Bandla	pH	-	7.31	-	-	-	7.26	-	7.04	7.73	-	-	6.96
	DO	-	7.0	-	-	-	9.1	-	9.0	9.1	-	-	8.9
	BO D	-	BDL	-	-	-	BDL	-	BDL	BDL	-	-	BDL
	TC	-	27	-	-	-	21	-	21	22	-	-	25
River Sirsa U/s Sitomajari	pH	8.08	7.13	7.43	7.08	7.52	7.22	8.22	8.32	7.4	8.12	7.86	7.86
	DO	7	6.7	6.9	6.8	6.9	6.8	6.5	7.0	8.8	6.7	7.8	5.4
	BO D	0.8	1.2	1.4	2.2	1.2	1	1.8	1.1	1.4	1.1	1.8	2.4
	TC	48	43	170	88	48	6.0	84	94	140	46	48	-
River Sirsa D/s Nalagarh Bridge	pH	8.67	8.28	7.59	7.76	8.37	7.58	8.29	8.18	7.24	7.28	8.42	8.15
	DO	6.7	7.2	6.9	6.9	6.8	6.6	7.0	6.5	7.0	5.6	6.2	7.8
	BO D	2.1	1.8	1.2	2.8	1.2	2.2	3.8	3.2	3.3	2.8	2.2	3.4
	TC	120	94	170	140	84	110	280	170	170	110	70	-
River Sirsa at D/s Nalagarh Town	pH	8.48	8.13	7.57	8.3	8.34	8.2	8.07	8.24	7.36	7.41	7.84	8.22
	DO	7	7.5	6.8	7.0	6.6	7.0	6.8	7.4	9.8	6.4	5.6	6.9
	BO D	0.9	2.4	1.8	2.4	1.8	2.2	2.8	3.4	3.2	2.1	2.6	0.3
	TC	110	110	140	170	94	120	210	240	220	130.0	79	-
Bhatiany a Nallah D/s Sara Textile Nalagrh	pH	7.80	7.54	7.03	7.31	7.37	8.28	8.21	8.34	7.33	7.27	7.89	7.70
	DO	3.0	2.5	2.5	2.5	3.5	3.5	3.0	3.5	3.5	2.00	3.00	2.0
	BO D	2.6	2.8	12.0	3.2	2.2	4.2	3.1	3.2	5.8	3.2	22.0	16.0
	TC	150	350	280	540	120	430	220	220	280	210	1600	-
Bhatiany	pH	7.7	7.74	7.20	7.68	7.14	7.58	8.0	8.28	7.31	7.94	7.7	8.13

Name of location	Parameter	Apr -21	May -21	Jun - 21	Jul - 21	Aug -21	Sep -21	Oct - 21	Nov -21	Dec -21	Jan - 22	Feb -22	Mar - 22
a Nallah U/s Bhatinya Village Nalagrh	DO	2.0	1.5	1.0	1.5	2.0	2.0	2.5	3.0	2.5	2.5	4.2	2.0
	BOD	2.2	3.2	28.0	22.0	1.6	4.4	4.8	3.1	4.1	3.4	5.8	10.0
	TC	130	430	540	1600	130	540	350	540	110	170	220	-
River Bald D/s Land fill site Baddi	pH	7.9	6.50	7.05	6.8	7.39	6.74	7.89	8.12	8.22	7.81	-	-
	DO	2.0	1.5	1.0	1.5	2.0	2.0	2.0	3.0	3.0	3.0	-	-
	BOD	0.8	2.9	1.8	0.8	1.2	3.1	8.2	3.1	3.1	3.8	-	-
	TC	120	540	210	112	150	110	430	350	220	110	-	-
River Sirsa U/s Sandholi Nallaha	pH	7.53	7.53	7.11	7.13	7.75	7.18	8.29	7.64	8.38	8.03	8.03	8.52
	DO	5.4	4.8	5.0	6	6	5.2	6.8	6.6	6.8	6.6	6.5	7.0
	BOD	1.0	2.1	2.6	1.8	1.1	1.2	2.0	1.8	2.9	2.2	2.2	0.5
	TC	58	40	150	110	70	47	170	110	150	58	79	-
River Sirsa D/s H. Board Nallah	pH	7.87	7.30	7.43	7.19	8.21	8.24	8.12	8.01	8.36	6.88	8.2	8.31
	DO	4.0	3.5	4.0	4.0	4.0	4.2	4.0	6.4	4.5	4.5	5.0	4.0
	BOD	3.5	3.0	3.0	2.2	1.4	3.2	6.8	2.2	3.2	4.0	8.8	6.0
	TC	94	120	240	170	94	140	210	210	210	110	350	-
River Ratta before conf.to River Sirsa	pH	6.94	7.31	6.8	6.51	8.01	7.28	8.14	8.32	8.03	8.02	8.28	7.68
	DO	7.2	6.5	6.5	6.5	6.2	6.8	6.9	5.5	5.7	5	5.6	6.0
	BOD	2.2	2.2	3.2	2	1.2	2	2.6	1.4	3.8	3.2	2.8	26
	TC	63	110	94	94	170	120	140	170	110	79	110	-
River Sirsa D/S River Ratta	pH	8.12	7.05	7.13	7.22	7.69	8.44	8.01	8.24	7.34	8.23	8.26	8.16
	DO	7.0	6.2	6.7	6.7	6.7	6.0	6.6	6.8	6.8	6.6	6.4	7.0
	BOD	2.8	3.2	2.8	2.2	2.1	1.4	2.2	2.1	2.1	3.1	3.0	3.0
	TC	84	120	150	120	110	110	210	220	70	170	94	-
River Sukhna at Parwano	pH	7.26	-	-	-	8.21	7.52	8.48	6.94	7.29	7.96	7.74	7.26
	DO	5.1	-	-	-	5.6	5.8	6.0	5.9	5.9	5.2	5.8	5.5
	BOD	4.2	-	-	-	1.1	2.2	2.1	2.2	2.1	3.8	2.8	12
	TC	120	-	-	-	84.0	110	63	170	210	210	120	-
Solan D/s of MSW Dumping site	pH	8.08	7.98	7.82	7.84	8.40	7.64	8.43	8.02	6.84	6.38	7.55	8.03
	DO	-	-	-	-	-	-	-	-	-	-	9.2	7.5
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3
	TC	<1.1	1.8	<1.8	1.8	1.8	1.8	<1.8	1.8	<1.8	1.8	<1.8	-
Ashwani at U/s Yaswant Nagar	pH	7.82	8.20	7.87	8.24	8.19	7.12	6.84	8.22	7.21	7.38	7.7	8.04
	DO	8.5	8.0	6.7	7.7	7.8	7.9	7.8	6.1	7.4	7.6	6.5	7.2
	BOD	0.2	1.1	1.2	0.2	0.8	0.8	1.1	1.1	1.1	1.2	0.8	0.6
	TC	58	49	48	58	48	63	25	70	94	63	84	-
Giri at D/s Yaswant Nagar	pH	7.90	7.97	7.79	8.48	8.16	7.58	7.4	8.02	7.92	7.54	7.95	8.03
	DO	8.7	8.1	7.8	7.6	7.7	7.7	7.4	7.2	7.6	7.7	7.5	7.9
	BOD	0.4	1.8	1.2	0.9	1.8	1.2	1.2	1.2	1.4	1.6	1.6	0.3

Name of location	Parameter	Apr -21	May -21	Jun - 21	Jul- 21	Aug -21	Sep -21	Oct- 21	Nov-21	Dec -21	Jan- 22	Feb -22	Mar- 22
	TC	46	25	48	63	84	84	38	94	79	70	94	-
Surajmukhi nallah U/s WSSS Galyana	pH	8.48	7.83	7.65	8.1	7.94	8.14	8.34	8.36	8.35	7.61	8.31	8.31
	DO	8.0	7.9	8.5	7.4	7.7	7.6	7.7	7.4	7.2	7.1	7.4	7.7
	BOD	0.8	1.4	1.8	2.0	1.9	1.8	2.2	0.4	1.4	1.8	2.2	0.2
	TC	84	39	47	47	48	63	63	70	63	70	63	-
Giri River Village Maryaog after Confl. Of R. Giri & Ashwani	pH	7.87	8.04	6.60	7.95	7.98	7.44	8.3	8.16	8.08	7.66	7.54	8.21
	DO	8.8	8.2	7.5	7.6	7.8	7.9	7.7	7.6	7.7	7.9	7.6	8.4
	BOD	0.3	1.2	1.6	1.2	2.1	1.4	2.2	1.0	1.3	2.4	1.2	0.2
	TC	70	34	38	70	79	70	43	84	84	84	170	-
Well at Parwano	pH	8.04	7.50	7.10	7.56	7.54	7.22	9.05	8.02	8.21	7.98	8.15	7.72
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	<1.1	<1.1	<1.1	<1.8	<1.8	<1.8	<1.8	1.80	<1.8	<1.8	<1.8	-
Kunni pul at Kunihaar	pH	8.3	8.18	8.09	7.96	8.37	7.42	7.39	7.79	7.37	7.54	8.11	8.26
	DO	7.7	8.3	7.6	7.7	7.4	7.8	7.6	7.2	7.7	8.6	7.6	7.5
	BOD	0.2	1.2	1.4	0.6	0.9	0.7	1.4	0.2	0.2	1.8	1.6	0.2
	TC	40	21	26	22	24	47	70	40	70	58	58	-
The River Ashwani at Village Sadhupul, D/S Tehsil Kandaghat	pH	7.97	8.04	7.43	7.89	7.42	7.48	8.51	7.30	6.82	7.21	7.04	7.77
	DO	8	7.9	6.7	7.5	6.8	7.4	7.5	6.7	6.6	5.6	8.1	7.4
	BOD	0.4	1.2	1.8	0.8	0.2	1.1	2.8	0.8	1.2	1.4	1.8	0.7
	TC	58	26	48	58	46	63	70	70	130	210	540	-
Ashwani river @Sadhupul (u/s of bridge towards Chail)	pH	8.03	7.84	7.53	7.74	6.7	7.3	8.46	8.39	8.42	6.74	6.88	7.65
	DO	8.0	8.0	6.8	7.5	6.8	7.4	7.5	6.7	6.6	5.5	7.7	7.4
	BOD	0.20	0.6	1.2	0.2	0.1	0.8	2.1	0.6	0.8	1.8	1.0	1.0
	TC	48	25	31	38	38	22	41	58	120	170	220	-
Surajmukhi nallah D/S STP Samti Solan	pH	8.45	7.57	7.79	8.08	8.22	8.12	8.28	8.29	8.32	7.88	8.17	8.52
	DO	7.90	7.80	8.4	7.4	7.7	7.6	7.8	7.4	7.2	7.3	7.0	7.8
	BOD	0.8	1.8	2.0	1.8	2.2	1.6	2.8	0.8	1.1	2.2	2.1	0.4
	TC	110	48	38	63	70	84	130	96	70	79	70	-

Results of Ground Water/Well Water Sampling Points April 2021 & October- 2022

Name of Location	Parameter	Apr-21	Oct-22
Hand Pump at Rampur	pH	7.80	8.28
	DO	-	-
	BOD	0.2	0.5
	TC	-	<1.8
Hand Pump at Reckong Peo	pH	-	-
	DO	-	-
	BOD	-	-
	TC	-	-
Hand Pump at Shimla Town	pH	-	-
	DO	-	-
	BOD	-	-
	TC	-	-
Ground Water at Totu	pH	-	6.92
	DO	-	-
	BOD	-	0.9
	TC	-	-
Well at Residential Area, Kala Amb	pH	7.25	7.98
	BOD	1.0	1.0
	TC	<1.8	<1.8
Borewell at Residential Area, Paonta Sahib	pH	6.90	7.94
	BOD	1.0	1.0
	TC	<1.8	<1.8
Well at Industrial Area, Kala Amb	pH	7.19	7.66
	BOD	1.0	1.0
	TC	<1.8	<1.8
Borewell at Industrial Area, Paonta Sahib	pH	7.72	7.86
	BOD	1.0	1.0
	TC	<1.8	<1.8
Hand Pump at Nahan	pH	7.17	7.33
	BOD	1.0	1.0
	TC	<1.8	<1.8
Hand Pump at Kala Amb	pH	6.89	7.54
	BOD	1.0	1.0
	TC	<1.8	<1.8
Well at Damtal (Hand Pump)	pH	6.83	6.78

Name of Location	Parameter	Apr-21	Oct-22
Borewell at Una inside ISBT	BOD	BDL	0.1
	pH	7.92	7.18
Well at D/s Dumping site Dharamshala	BOD	BDL	0.1
	pH	7.26	6.86
Well at I.A. Mehatpur	BOD	BDL	0.2
	pH	7.32	6.81
Well at Ind. Area Una	BOD	BDL	0.1
	pH	7.51	-
Borewell At Chintpurni Temple /Town	BOD	BDL	-
	pH	-	7.41
Hand Pump at Chamunda Devi Temple/Town	BOD	-	0.1
	pH	7.98	6.88
Hand Pump at Ind. Area Sansarpur Terrace	BOD	BDL	0.1
	pH	7.87	7.36
Hand Pump at I.A Tahliwal	BOD	BDL	0.1
	pH	7.68	7.71
Borewell of DIC Una at Ind. Area Jeetpur Behri	BOD	BDL	0.1
	pH	7.47	7.20
Hand Pump Mugla Near Shiv Mandir	BOD	BDL	0.1
	pH	6.87	6.61
Ground Water Lift WSS Nagrota Bagwan	BOD	BDL	-
	pH	6.94	-
Borewell at I.A Tahliwal	BOD	-	0.1
	pH	-	7.55
Hand Pump at Chamba	BOD	BDL	0.1
	pH	7.26	7.10
Hand Pump at HRTC Workshop	BOD	BDL	-
	pH	6.67	-
Hand Pump at Jawalaji	BOD	BDL	0.1
	pH	7.16	6.81

Name of Location	Parameter	Apr-21	Oct-22
Hand pump at Sujanpur Town	pH	-	6.89
	BOD	-	0.1
Handpump at Dalhousie	pH	-	6.61
	BOD	-	0.1
Handpump at Hamirpur	pH	7.77	7.39
	BOD	BDL	0.1
Handpump at Nadaun	pH	7.07	6.94
	BOD	BDL	0.1
Well at HRTC Workshop	pH	-	6.80
	BOD	-	0.1
Well at I.A. Amb	pH	7.64	6.91
	BOD	BDL	0.1
Well at Ind. Area Gagret	pH	7.86	7.29
	BOD	BDL	0.1
Well at Jaisinghpur	pH	-	6.58
	BOD	-	0.1
Well at Jawalamukhi	pH	-	6.72
	BOD	-	0.1
Well at Khaira	pH	7.38	6.70
	BOD	BDL	0.1
Well at Khouli	pH	-	6.75
	BOD	-	0.1
Well at Paprola	pH	-	7.10
	BOD	-	0.1
Well at Purana Kangra	pH	-	6.98
	BOD	-	0.1
Well at Rajiana	pH	7.88	6.78
	BOD	BDL	0.1
Well at Sai	pH	6.48	6.59
	BOD	BDL	0.1
Well at Upper Khouli	pH	7.31	-
	BOD	BDL	-
Well of Sh. Gurubaskh Vill. Majra	pH	7.85	8.47
	BOD	0.1	0.1
	TC	<1.1	<1.8
Well at house of Sh.Rana	pH	8.05	8.38
	BOD	0.1	0.1

Name of Location	Parameter	Apr-21	Oct-22
Well at house of sh. Gurudyal	TC	<1.1	<1.8
	pH	7.97	8.34
	BOD	0.1	0.1
Handpump at house of sh. Balvinder, Vill. Majra	TC	<1.1	<1.8
	pH	8.11	8.28
	BOD	0.1	0.1
Well at Baddi	TC	<1.1	<1.8
	pH	-	8.06
	BOD	-	0.1
Well at Barotiwala	TC	-	<1.8
	pH	7.47	8.07
	BOD	0.2	0.10
Well at Nalagarh	TC	<1.1	<1.8
	pH	-	8.22
	BOD	-	0.1
Well Baddi I.A.	TC	-	<1.8
	pH	8.10	7.94
	BOD	0.1	0.1
Well Barotiwala I.A.	TC	<1.1	<1.8
	pH	-	7.92
	BOD	-	0.1
Well Nalagarh I.A.	TC	-	<1.8
	pH	-	7.92
	BOD	-	0.1
Borewell at HPMC	TC	-	<1.8
	pH	7.85	7.89
	BOD	0.1	0.1
	TC	<1.1	<1.8

Results of State Water Quality Monitoring Points from April 2021 to March 2022

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
R. Pabbar D/s Chirgaon	pH	7.68	7.31	8.04	8.07
	DO	7.6	**	7.4	7.2
	BOD	0.3	0.4	0.5	0.7
	TC	>1600	1600	>1600	1600
R. Pabbar D/s Hatkoti	pH	7.87	7.92	8.08	8.06
	DO	7.5	7.1	7.2	7.1
	BOD	0.5	0.4	0.7	0.5
	TC	>1600	1600	>1600	4.5
R Pabbar D/s Rohroo	pH	7.65	7.42	7.84	8.00
	DO	7.8	7.1	7.5	7.4
	BOD	0.4	0.5	0.6	0.5
	TC	>1600	>1600	>1600	1600
Lift Nala D/s Hotel Combermere	pH	7.19	7.04	7.87	7.82
	DO	6.5	6.8	6.6	6.1
	BOD	55.0	14.0	5.0	20.0
	TC	>1600	>1600	>1600	>1600
Lift Nala U/s Bridge at By pass near MSW Processing site	pH	7.53	7.20	7.92	7.00
	DO	6.0	6.7	6.3	6.2
	BOD	9.6	12.0	7.0	22.0
	TC	>1600	>1600	>1600	>1600
R Tidong before conf. with R. Satluj	pH	7.90	7.92	8.03	7.64
	DO	9.8	9.6	9.7	9.7
	BOD	0.4	0.5	0.4	0.4
	TC	>1600	>1600	>1600	26
River Baspa D/s reservoir Baspa HEP at Kuppa	pH	7.75	8.09	8.00	7.62
	DO	9.2	9.3	9.5	9.4
	BOD	0.3	0.7	0.4	0.6
	TC	>1600	>1600	>1600	79
R. Baspa at Baspa Project	pH	7.66	8.04	8.00	7.61
	DO	9.1	9.3	9.5	9.3
	BOD	0.4	0.6	0.3	0.5
	TC	>1600	>1600	>1600	14
River Satluj D/s NJPC Dam at Nathpa	pH	7.84	8.00	7.97	7.62
	DO	9.0	9.4	9.0	9.2
	BOD	0.5	0.5	0.3	0.5
	TC	350	>1600	350	170
R Sorang U/s (before conf	pH	8.03	7.77	7.80	7.57

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
) R . Satluj	DO	9.5	9.6	9.6	9.6
	BOD	0.6	0.6	0.4	0.6
	TC	240	>1600	27	<1.8
R. Satluj U/s Conf with Sorang Khad	pH	8.26	8.00	7.92	7.59
	DO	9.0	9.1	9.1	9.2
	BOD	0.6	0.4	0.4	0.6
	TC	>1600	>1600	540	540
R. Satluj D/s Conf with Sorang Khad	pH	8.28	7.94	7.97	7.56
	DO	9.1	9.0	9.1	9.2
	BOD	0.7	0.5	0.4	0.5
	TC	>1600	>1600	>1600	<1.8
Ganvi Khud before Conf. With R. Satluj	pH	8.16	7.79	7.80	7.52
	DO	9.5	9.5	9.5	9.2
	BOD	0.4	0.4	0.6	0.7
	TC	>1600	>1600	>1600	170
R Satluj U/s TRT of NJPC	pH	7.89	8.06	7.92	6.58
	DO	9.0	9.0	9.0	9.1
	BOD	0.3	0.6	0.7	0.6
	TC	1600	>1600	>1600	220
R Satluj D/s TRT of NJPC	pH	7.96	7.96	7.99	6.56
	DO	8.9	8.9	8.9	9.1
	BOD	0.4	0.6	0.8	0.5
	TC	>1600	>1600	>1600	280
River Satluj D/s Dutt nagar D/s envisaged conf. of TRT of RHEP	pH	8.04	7.93	7.96	7.14
	DO	9.0	8.8	8.8	9.0
	BOD	0.6	0.5	0.7	0.7
	TC	>1600	>1600	280	350
River Yamuna U/s of landfill site Paonta Sahib	pH	7.68	7.52	7.84	7.91
	DO	7.5	7.3	7.5	7.9
	BOD	1.2	1.0	1.0	1.2
	TC	150.0	110.0	94.0	220.0
River Yamuna D/s of landfill site Paonta Sahib	pH	7.69	7.64	7.92	7.99
	DO	7.6	7.4	7.4	7.8
	BOD	1.4	1.7	1.0	1.1
	TC	170.0	170.0	130.0	170.0
River Markanda U/s of Markanda Bridge, Kala Amb	pH	7.72	7.28	7.64	7.46
	DO	8.3	7.3	8.3	8.5
	BOD	1.2	2.3	1.3	1.5
	TC	170.0	350.0	220.0	220.0
River Markanda U/s of Jattanwala Nallah	pH	7.79	7.29	7.61	7.75
	DO	8.2	7.2	8.2	8.4

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
	BOD	1.6	2.5	1.5	1.6
	TC	210.0	350.0	170.0	280.0
Jattanwala Nallah	pH	7.23	7.10	7.18	7.16
	DO	0.5	0.3	0.5	0.5
	BOD	22.0	5.5	17.0	7.0
	TC	160000.0	80000.0	184000.0	80000.0
River Markanda D/s Jattan Walla Nalla Kala Amb at Dehramali	pH	-	7.15	7.34	7.82
	DO		5.7	5.5	4.2
	BOD		4.2	4.5	2.8
	TC		54000.0	10800.0	7000.0
D/s ACC Bar, Satluj River	pH	7.65	7.79	7.64	7.92
	DO	9.1	9.3	9.1	9.6
	BOD	0.3	0.3	0.2	0.3
	TC	540	430	430	350
R. Suketi U/s of conf. of dragger outfall of SNR Balancing reservoir	pH	7.29	7.92	7.64	7.93
	DO	7.9	8.2	8.5	9.2
	BOD	0.2	0.3	0.2	0.2
	TC	350	350	350	280
River Suketi at Dadour bridge	pH	8.02	7.6	8.11	7.85
	DO	8.4	8.1	7.9	8.4
	BOD	0.4	0.5	0.6	0.6
	TC	>1600	920	>1600	920
U/s Mandi, Suketi Khudd	pH	8.03	7.58	8.09	7.95
	DO	8.7	8.4	9.2	8.2
	BOD	0.3	0.4	0.4	0.3
	TC	1600	540	920	350
U/s Darang, Salt Mine	pH	7.58	7.55	7.72	8.23
	DO	9.1	8.9	8.6	8.4
	BOD	0.1	0.1	0.1	0.1
	TC	58	63	58	94
D/s Darang, Salt Mine	pH	7.64	7.08	7.08	7.71
	DO	9.3	8.8	8.2	8.3
	BOD	0.1	0.1	0.1	0.1
	TC	63	70	70	110
River Beas, U/s of conf. of envisaged TRT of UHL-III	pH	7.49	7.32	7.78	8.09
	DO	9.3	9.4	8.4	8.6
	BOD	0.1	0.1	0.1	0.1
	TC	220	110	220	210
River Beas, D/s of conf. of envisaged TRT of UHL-III	pH	7.81	7.28	7.65	8.03
	DO	9.1	9.6	8.5	8.8
	BOD	0.2	0.1	0.1	0.1

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
	TC	280	150	240	240
R.Beas, D/s of conf.of TRT of Largi HEP power house.	pH	7.4	7.2	7.84	7.79
	DO	9.5	8.5	7.9	8.1
	BOD	0.1	0.1	0.1	0.1
	TC	350	210	280	280
River Beas, U/s Fermenta Biodil.	pH	7.43	7.23	6.92	8.43
	DO	8.5	8.1	7.9	7.8
	BOD	0.1	0.1	0.1	0.1
	TC	350	240	280	240
River Beas, D/s Fermenta Biodil.	pH	7.45	7.42	7.43	8.49
	DO	8.4	7.9	7.8	7.7
	BOD	0.3	0.3	0.2	0.2
	TC	540	280	540	350
R. Parvati U/s of Dam site of Parvati-II at Pulga	pH	7.65	8.32	7.65	7.57
	DO	9.6	7.7	8	9.9
	BOD	0.1	0.1	0.1	0.1
	TC	150	94	84	63
R. Parvati D/s of Dam site of Parvati-II at	pH	7.21	7.11	7.58	8.04
	DO	9.6	8.9	8	9.6
	BOD	0.1	0.1	0.1	0.1
	TC	170	120	94	70
R.Beas, U/s Waste processing facility, Manali.	pH	6.7	7.42	7.5	7.4
	DO	8.7	7.8	8.1	9.9
	BOD	0.1	0.1	0.1	0.1
	TC	210	240	350	280
R.Beas, D/s of confluence with Allaign Nalla.	pH	7.08	7.36	7.86	7.46
	DO	8.7	7.8	8.1	9.9
	BOD	0.1	0.1	0.1	0.1
	TC	350	220	220	240
Allaign Nalla before confluence with R.Beas	pH	7.2	8.45	6.67	7.43
	DO	8.6	7.8	7.9	9.8
	BOD	0.1	0.1	0.1	0.1
	TC	240	170	120	220
R.Beas, D/s confluence with Duhangan Nalla.	pH	7.25	7.31	6.9	7.36
	DO	8.6	7.8	7.9	9.9
	BOD	0.1	0.1	0.1	0.1
	TC	240	240	210	210
Duhangan Nalla before confluence with R.Beas	pH	7.23	7.48	6.93	7.53
	DO	8.7	7.9	8.1	9.8
	BOD	0.1	0.1	0.1	0.1
	TC	170	150	140	350

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
R.Beas, U/s of confluence of R.Parvati	pH	7.55	7.67	7.6	8.58
	DO	8.3	7.9	8.1	8.2
	BOD	0.1	0.1	0.1	0.1
	TC	280	210	170	240
R.Beas, D/s of confluence of R.Parvati	pH	7.28	7.26	7.75	8.23
	DO	8.4	8.1	7.9	7.9
	BOD	0.1	0.1	0.1	0.1
	TC	350	240	220	220
R.Beas, U/s Waste processing facility Kullu.	pH	7.66	7.32	7.63	7.89
	DO	8.4	7.8	8.1	7.9
	BOD	0.1	0.3	0.1	0.2
	TC	350	350	540	350
R.Sainj, U/s envisaged power house site of Parvati-II.	pH	7.68	7.8	7.26	8.55
	DO	8.7	8.5	8.2	8.3
	BOD	0.1	0.1	0.1	0.1
	TC	140	170	170	170
R.Sainj, D/s envisaged power house site of Parvati-II.	pH	7.65	7.62	7.39	8.34
	DO	8.6	8.4	8.1	7.8
	BOD	0.1	0.1	0.1	0.1
	TC	220	220	240	210
R.Sainj, U/s envisaged power house site of Parvati - III.	pH	7.81	7.94	7.54	8.45
	DO	9	8.2	8.3	8
	BOD	0.1	0.1	0.1	0.1
	TC	170	150	210	220
R.Sainj, D/s envisaged power house site of Parvati - III.	pH	7.68	7.77	7.71	7.92
	DO	9.3	8.4	8.1	7.9
	BOD	0.1	0.1	0.1	0.1
	TC	240	220	220	240
Baira River after confluence of TRT of power house of Baira Siul HEP	pH	7.71	8.02	7.84	7.77
	DO	8.7	9.1	8.7	8.7
	BOD	BDL	BDL	0.1	0.1
	TC	21	24	17	22
Baira River before confluence of TRT of power house of Baira Siul HEP	pH	7.78	7.97	7.77	7.68
	DO	8.7	9.1	8.7	8.7
	BOD	BDL	BDL	0.2	0.1
	TC	17	21	13	21
Baira River before confluence with River Ravi	pH	-	-	7.13	7.43
	DO	-	-	8.7	8.7
	BOD	-	-	0.1	0.1
	TC	-	-	25	27
Baira River D/s Dam on	pH	7.75	6.58	7.12	7.59

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
Baira of Baira Siul HEP	DO	8.7	9.2	8.8	8.6
	BOD	BDL	BDL	0.1	0.1
	TC	27	31	31	31
Baira River U/s Dam on Baira of Baira Siul HEP	pH	7.68	6.77	6.98	7.47
	DO	8.7	9.2	8.9	8.6
	BOD	BDL	BDL	0.1	0.1
	TC	21	22	27	26
Baled Khad D/s Dam on Baled for Baira Siul HEP	pH	-	6.83	-	7.73
	DO	-	9.3	-	8.9
	BOD	-	BDL	-	0.1
	TC	-	31	-	31
Baled Khad U/s Dam on Baled for Baira Siul HEP	pH	-	6.77	-	7.68
	DO	-	9.2	-	8.9
	BOD	-	BDL	-	0.1
	TC	-	22	-	27
Baner Khad (U/S) near TMC	pH	7.63	7.11	6.99	7.69
	DO	9.4	8.9	8.6	8.8
	BOD	BDL	BDL	0.1	0.1
	TC	26	27	41	31
Baner Khad D/S near TMC	pH	7.70	7.23	6.96	7.78
	DO	9.2	8.9	8.4	8.7
	BOD	BDL	BDL	0.2	0.1
	TC	31	33	47	33
Bhaled Khad D/s Dam on Bhaled for Baira Siul HEP	pH	7.78	6.83	7.19	-
	DO	8.9	9.3	8.8	-
	BOD	BDL	BDL	0.1	-
	TC	31	31	26	-
Bhaled Khad U/s Dam on Bhaled for Baira Siul HEP	pH	7.73	6.90	7.12	-
	DO	8.9	9.3	8.8	-
	BOD	BDL	BDL	0.1	-
	TC	22	21	21	-
Bhiral Khad D/s STP Palampur	pH	7.13	7.05	7.43	7.61
	DO	7.1	7.3	7.2	7.1
	BOD	BDL	BDL	0.1	0.2
	TC	39	39	40	38
Bhiral Khad U/s STP Palampur	pH	7.30	7.11	7.38	7.50
	DO	7.9	7.0	7.5	7.6
	BOD	BDL	BDL	0.1	0.1
	TC	31	27	33	33
Budhil Nallah D/s Dam of proposed Budhil HEP	pH	7.72	7.44	7.17	7.73
	DO	8.9	9.1	8.9	8.8

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
	BOD	BDL	BDL	0.1	0.1
	TC	27	27	25	26
Budhil Nallah U/s Dam of proposed Budhil HEP	pH	7.67	7.28	7.09	7.66
	DO	8.9	9.2	8.9	8.8
	BOD	BDL	BDL	0.1	0.1
	TC	25	24	17	24
Charan Khad D/s STP Dharamshala	pH	7.81	7.98	7.74	7.50
	DO	7.1	7.0	7.3	7.0
	BOD	BDL	BDL	0.1	0.1
	TC	31	33	31	33
Charan Khad U/s STP Dharamshala	pH	7.76	7.87	7.66	7.41
	DO	7.9	7.4	7.5	7.3
	BOD	BDL	BDL	0.1	0.1
	TC	27	31	26	31
Chhouch Khad D/s Ind. Area Bain Attarian (Kandrori)	pH	8.07	7.71	6.93	7.29
	DO	7.0	6.9	6.9	4.5
	BOD	BDL	BDL	0.2	1.0
	TC	63	58	70	70
Chhouch Khad U/s Ind. Area Bain Attarian (Kandrori)	pH	8.16	7.66	6.99	7.26
	DO	7.3	7.3	7.1	4.9
	BOD	BDL	BDL	0.1	0.6
	TC	58	52	63	58
Kalam Nalla D/s of MSW Processing Site at Chowari Distt. Chamba	pH	-	-	-	7.34
	DO	-	-	-	9.9
	BOD	-	-	-	BDL
	TC	-	-	-	38
River Beas U/s Bhadoli	pH	-	-	7.91	7.98
	DO	-	-	8.8	9.0
	BOD	-	-	BDL	BDL
	TC	-	-	32.0	21.0
River Ravi after conf. with Baira River	pH	7.74	7.06	7.70	-
	DO	8.7	8.7	8.8	-
	BOD	BDL	BDL	0.1	-
	TC	-	-	-	-
River Ravi before confluence with River Baira	pH	7.82	7.11	7.78	7.84
	DO	8.7	8.7	8.9	8.8
	BOD	BDL	BDL	0.1	0.1
	TC	25	26	26	24
River Ravi D/s Dam Chamera-II HEP	pH	7.67	7.84	7.74	7.96
	DO	8.7	9.0	8.7	8.7
	BOD	BDL	BDL	0.2	0.2

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
River Ravi D/s Dam on Chamera-I HEP	TC	33	31	31	31
	pH	7.81	7.15	7.82	7.84
	DO	8.7	8.7	8.7	8.7
	BOD	BDL	BDL	0.1	0.2
River Ravi D/S Municipal Land Fill Site Chamba	TC	39	33	40	38
	pH	7.57	7.78	7.58	7.85
	DO	8.7	8.8	8.7	8.7
	BOD	BDL	BDL	0.2	0.1
River Ravi D/s TRT of proposed Budhil HEP	TC	38	39	40	33
	pH	7.44	7.74	7.23	7.91
	DO	8.7	9.1	8.8	8.8
	BOD	BDL	BDL	0.1	0.1
River Ravi D/s TRT Power house Chamera-I HEP	TC	31	33	27	27
	pH	-	7.38	7.78	7.93
	DO	-	8.9	8.7	8.7
	BOD	-	BDL	0.2	0.2
River Ravi U/s Dam Chamera-II HEP	TC	-	39	43	39
	pH	7.61	7.76	7.69	7.92
	DO	8.7	9.0	8.8	8.7
	BOD	BDL	BDL	0.1	0.1
River Ravi U/S Municipal Land Fill Site Chamba	TC	25	24	27	24
	pH	7.48	7.80	7.41	7.78
	DO	8.7	8.9	8.7	8.8
	BOD	BDL	BDL	0.1	0.1
River Ravi U/s of confluence of Budhil Nallah	TC	26	27	32	27
	pH	-	7.58	7.20	7.84
	DO	-	9.1	8.9	8.9
	BOD	-	BDL	0.1	0.1
River Satluj U/S Bhakhra	TC	-	25	21	24
	pH	7.77	7.42	7.44	7.71
	DO	8.8	9.1	9.1	9.2
	BOD	BDL	BDL	0.1	0.1
River Swan D/S Municipal Landfill site Santokhgarh	TC	47	49	43	43
	pH	7.88	7.90	7.80	7.67
	DO	7.2	6.8	6.9	6.6
	BOD	BDL	BDL	0.3	0.4
River Swan U/S Municipal Landfill site Santokhgarh	TC	70	79	79	79
	pH	7.93	7.71	7.76	7.58
	DO	7.0	7.0	7.2	6.8
	BOD	BDL	BDL	0.1	0.3
	TC	58	63	63	70

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
Suil River D/s Dam on Suil for Baira Suil HEP	pH	-	7.99	7.69	7.81
	DO	-	8.8	8.8	8.9
	BOD	-	BDL	0.1	0.1
	TC	-	24	25	24
Suil River U/s Dam on Suil for Baira Suil HEP	pH	-	7.93	7.71	7.70
	DO	-	8.8	8.8	8.9
	BOD	-	BDL	0.1	0.1
	TC	-	17	21	17
Swan Khad D/s Suraj Ind.	pH	7.68	7.91	7.75	7.11
	DO	Interference		6.2	5.4
	BOD	BDL	BDL	0.2	0.2
	TC	110	120	84	94
Swan Khad U/s Suraj Ind.	pH	-	7.83	7.62	7.20
	DO	-	-	7.1	5.6
	BOD	-	BDL	0.1	0.1
	TC	-	63	79	84
River Sirsa D/S Sitomajri Nallah	pH	7.62	6.92	8.37	7.87
	DO	6.3	6.5	6.2	6.4
	BOD	1.8	2.2	3.2	2.2
	TC	70	70	94	70
River Bald U/s Land fill site Baddi	pH	7.63	-	-	-
	DO	1.5	-	-	-
	BOD	0.8	-	-	-
	TC	58	-	-	-
Sandholi Nallaha	pH	8.2	6.77	8.08	7.76
	DO	1.0	1.5	1.5	1
	BOD	54	80	58	18
	TC	>1600	>1600	1600	1600
River Sirsa D/s Sandholi Nallah	pH	7.16	7.28	8.02	8.06
	DO	4.8	5.4	6.5	5.0
	BOD	3.2	1.8	4.8	2.8
	TC	63	84	280	220
River Sirsa U/s H. Board Nallah	pH	8.33	8.22	8.06	8.27
	DO	4.5	5	6	5.4
	BOD	1.8	1.1	2.2	2.2
	TC	79	68	70	84
Housing Board Nallah	pH	7.87	6.9	8.11	7.23
	DO	1.5	2	2	2.0
	BOD	24	42	22	10
	TC	>1600	1600	920	920
River Sirsa U/S River Ratta	pH	-	-	-	-

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21	
	DO	-	-	-	-	
	BOD	-	-	-	-	
	TC	-	-	-	-	
U/s TSDF site at Majra (Well)	pH	8.10	-	7.94	-	
	DO	-	-	-	-	
	BOD	0.2	-	0.1	-	
	TC	3.6	-	<1.8	-	
	D/s TSDF site at Majra (Well)	pH	8.12	-	7.92	-
		DO	-	-	-	-
BOD		0.1	-	0.1	-	
	TC	2.0	-	<1.8	-	
	Gullerwala Nallah	pH	-	-	-	-
		DO	-	-	-	-
BOD		-	-	-	-	
TC		-	-	-	-	
Manpura Nallah	pH	-	-	7.92	7.75	
	DO	-	-	2.5	2.5	
	BOD	-	-	20.0	6.8	
	TC	-	-	350	540	
River Sirsa D/s Manpura Nallah	pH	6.94	7.39	8.15	7.47	
	DO	4.0	5.5	5.5	6.0	
	BOD	2.8	2.1	2.2	3.2	
	TC	84	110	130	94	
River Sirsa U/s Manpura Nallah	pH	8.04	7.92	7.89	7.67	
	DO	7.5	5.8	6	5.7	
	BOD	2.2	0.6	1.4	2.0	
	TC	38	72	70	70	
River Sirsa U/S Khera Nallah	pH	7.1	7.22	8.02	7.94	
	DO	8.8	5.6	5.6	6.7	
	BOD	0.8	0.8	1.1	2.2	
	TC	38.0	32.0	49.0	63.0	
River Sirsa D/S Khera Nallah	pH	7.3	8.25	8.44	8.48	
	DO	6.9	5.4	6.5	6.8	
	BOD	3.4	2.4	1.8	3.1	
	TC	170	78	94	170	
Khera Nallaha	pH	-	-	8.12	8.23	
	DO	-	-	6.9	7.2	
	BOD	-	-	2.2	3.8	
	TC	-	-	140	350	
Kaushlya River U/s Parwanoo Town	pH	8.11	8.07	8.24	8.1	
	DO	8.2	7.8	8.5	8.6	

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
	BOD	0.2	0.8	1.8	1.4
	TC	47	63	46	46
Kaushlya River D/s Intake Channel of WSS Parwanoo Town	pH	7.93	8.11	8.36	7.99
	DO	8.1	7.9	8.5	8.7
	BOD	0.4	2	1.8	2.2
	TC	63	84	120	79
Masulkhana Nallah U/S Morepen Lab	pH	8.04	-	8.39	7.28
	DO	7.8	-	7.4	7.9
	BOD	0.2	-	1.4	1.1
	TC	48	-	94	47
Masulkhana Nallah D/S Morepen Lab	pH	8.39	-	8.28	7.5
	DO	7.7	-	7.4	7.9
	BOD	1.2	-	2.4	1.8
	TC	84	-	130	63.0
River Ashwani at Yashwant nagar before conf River Giri	pH	-	-	-	-
	DO	-	-	-	-
	BOD	-	-	-	-
	TC	-	-	-	-
River Giri at yashwant nagar before conf of river Ashwani	pH	-	8.3	-	-
	DO	-	7.5	-	-
	BOD	-	2.2	-	-
	TC	-	79	-	-
Nallah Near Ambota Shivloti Temple	pH	-	-	7.94	7.12
	DO	-	-	7.5	7.4
	BOD	-	-	0.1	0.1
	TC	-	-	<1.8	<1.8
Samtel nallah before conf with sukhna nallah	pH	7.43	7.76	8.28	7.77
	DO	5.3	5.1	5.6	5.7
	BOD	3.2	12	2.8	3.1
	TC	110	210	63	120.0
Sec-4 nallah before confluing with sukhna nallah at sec 5	pH	-	-	8.55	-
	DO	-	-	6.8	-
	BOD	-	-	2.2	-
	TC	-	-	94.0	-
U/S SWM site at Sec-5 Parwanoo	pH	7.64	-	8.20	7.49
	DO	4.8	-	6.5	4.9
	BOD	2.8	-	1.8	3.8
	TC	70	-	48	170.0
D/S SWM site at Sec-5 Parwanoo	pH	7.74	-	8.16	7.66
	DO	4.7	-	6.5	4.8
	BOD	3.2	-	2.2	3.2

Name of location	Parameters	Apr-21	Jul-21	Oct-21	Jan-21
	TC	94	-	210	110.0
