

**WATER QUALITY OF MAJOR RIVERS IN HIMACHAL PARDESH MONITORED UNDER MINARS PROGRAMME**

**DURING 2019-20**

**Results of Major Rivers (MINARS) Points from April 2019 to March 2020**

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
River Pabbar U/s Dhambari	<b>pH</b>	7.80	7.89	7.31	7.89	8.39	7.84	8.03	8.14	7.78	**	7.62	7.66
	<b>D.O</b>	10.2	8.5	9.5	8.8	8.2	8.1	8.1	10.0	9.9	**	9.2	9.5
	<b>BOD</b>	0.6	0.2	0.5	0.6	0.5	0.4	0.3	0.6	0.4	**	0.4	0.4
	<b>T.C.</b>	220	240	170	84	34	21	84	33	38	**	20	84
River Pabbar U/s Rohru	<b>pH</b>	7.72	7.83	7.48	7.80	8.42	7.63	7.89	8.19	7.79	**	7.85	7.85
	<b>D.O</b>	9.5	9.5	9.0	7.8	8.2	7.6	7.6	9.8	9.8	**	12.8	9.2
	<b>BOD</b>	0.5	0.5	0.4	0.9	0.4	0.3	0.4	0.5	0.3	**	0.6	0.9
	<b>T.C.</b>	150	170	140	140	84	33	94	48	26	**	76	220
River Pabbar U/s Hatkoti	<b>pH</b>	8.01	7.96	7.62	8.08	8.22	7.68	8.00	7.94	7.90	**	7.99	**
	<b>D.O</b>	8.8	8.8	8.6	7.0	7.8	7.2	7.4	9.8	9.4	**	13.8	**
	<b>BOD</b>	0.5	1.1	0.5	1.2	0.7	0.3	0.4	0.6	0.5	**	0.2	**
	<b>T.C.</b>	350	1600	>1600	540	350	280	220	280	63	**	84	**
Shikari Khad before Conf. to R. Pabbar near HRTC Bus Stand Rohru	<b>pH</b>	8.04	7.64	7.44	8.09	8.46	7.45	8.01	8.01	7.85	**	7.62	7.67
	<b>D.O</b>	9.0	9.0	5.6	7.5	8.0	6.7	6.5	8.9	9.3	**	10.6	7.5
	<b>BOD</b>	0.3	0.8	4.6	4.0	0.3	0.4	0.6	0.7	0.6	**	0.5	0.7
	<b>T.C.</b>	130	350	>1600	920	>1600	920	540	430	210	**	170	280
River Pabbar at Snail D/s of TRT of Swara Kuddu	<b>pH</b>	7.80	8.07	7.69	7.96	7.89	7.64	8.29	7.90	8.18	**	7.78	7.91
	<b>D.O</b>	9.1	9.1	8.7	8.8	7.5	7.4	7.5	9.5	9.5	**	11.5	7.9
	<b>BOD</b>	0.6	0.5	0.8	0.5	0.8	0.5	0.3	0.8	0.4	**	0.3	0.6
	<b>T.C.</b>	540	140	110	120	94	63	84	70	46	**	31	280
River Tons at H.P. Boundary	<b>pH</b>	7.78	8.13	7.78	7.90	8.31	7.22	7.53	7.91	8.19	**	7.82	7.55
	<b>D.O</b>	9.2	9.2	8.9	8.7	8.5	7.6	7.9	9.9	9.8	**	12.8	8.6
	<b>BOD</b>	0.5	0.9	0.5	0.6	0.5	0.4	0.4	0.2	0.3	**	0.3	0.4

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>T.C.</b>	540	920	540	170	430	280	120	84	26	**	31	220
River Giri U/s LWSS Sainj	<b>pH</b>	7.87	8.11	8.12	8.16	8.43	7.86	8.17	8.16	8.18	**	8.18	7.22
	<b>D.O</b>	8.5	8.5	8.3	7.0	8.1	7.0	7.5	9.0	8.3	**	9.2	8.4
	<b>BOD</b>	0.6	0.6	0.5	1.0	0.5	0.7	0.5	0.6	0.4	**	0.6	0.5
	<b>T.C.</b>	170	130	150	280	170	170	150	58	70	**	58	170
River Giri D/s LWSS Sainj	<b>pH</b>	8.11	8.03	8.32	8.26	8.35	7.97	8.27	8.18	8.19	**	8.04	7.28
	<b>D.O</b>	8.6	8.6	8.3	6.8	8.1	7.0	7.7	9.0	8.1	**	9.4	8.8
	<b>BOD</b>	0.5	0.5	0.6	0.9	0.4	0.8	0.6	0.7	0.6	**	0.5	0.6
	<b>T.C.</b>	210	170	130	170	110	170	94	63	110	**	84	180
R. Giri U/s Chaila	<b>pH</b>	8.06	8.07	7.94	8.12	7.94	7.56	7.90	8.06	8.12	**	8.19	7.59
	<b>D.O</b>	8.8	8.8	8.2	7.4	7.2	7.1	7.0	8.9	8.0	**	9.9	8.3
	<b>BOD</b>	0.7	1.2	0.7	1.4	0.6	0.7	0.7	0.9	0.5	**	0.4	0.8
	<b>T.C.</b>	240	170	220	280	280	150	110	120	84	**	110	240
Stream /Nala D/s MSW Processing Site, Shimla	<b>pH</b>	8.04	7.93	7.71	7.91	8.46	7.38	8.08	7.66	7.30	**	7.59	7.14
	<b>D.O</b>	8.0	6.6	6.3	7.1	6.0	5.9	6.0	6.4	7.0	**	**	8.9
	<b>BOD</b>	10.2	22	4.0	10.0	5.2	6.4	20.0	18.0	40.0	**	90.0	160
	<b>T.C.</b>	>1600	94	>1600	>1600	>1600	>1600	>1600	>1600	>1600	>1600	**	>1600
Lift Nala before conf. to Ashwani Khad near Dogrha bridge	<b>pH</b>	7.12	7.41	7.73	7.84	8.33	7.65	8.03	7.33	7.07	7.07	8.15	7.44
	<b>D.O</b>	6.6	6.7	5.4	5.2	6.0	6.0	6.5	7.0	8.4	8.4	8.7	6.5
	<b>BOD</b>	8.4	8	7.2	12.0	4.8	4.8	2.0	2.8	8.4	18.0	8.4	12.6
	<b>T.C.</b>	>1600	>1600	>1600	540	>1600	>1600	920	>1600	>1600	>1600	>1600	>1600
U/s of weir site of WTP near Ashwani Khad.	<b>pH</b>	6.99	7.39	7.28	8.42	8.46	7.95	8.05	7.14	6.91	**	7.96	7.34
	<b>D.O</b>	6.1	8.5	6.5	6.5	7.0	7.0	6.0	7.3	7.8	**	8.9	8.5
	<b>BOD</b>	2.4	0.3	0.4	2.8	1.0	1.2	1.2	2.2	2.8	**	0.8	2.4
	<b>T.C.</b>	350	2	32	120	24	120	130	240	350	**	210	350
	<b>pH</b>	7.45	7.27	7.67	8.06	8.43	7.98	8.01	7.25	7.05	**	7.90	7.43

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	
D/s Ashwani Khad	D.O	6.6	8.0	6.5	5.0	6.0	6.2	6.5	6.9	7.4	**	8.4	8.2	
	BOD	3.6	3	8.4	4.0	2.2	2.8	2.4	2.4	3.8	**	1.8	8.4	
	T.C.	>1600	>1600	>1600	920	920	>1600	920	>1600	>1600	**	>1600	>1600	
Raw Water from Nauti Khad at Gumma	pH	8.02	8.13	8.38	8.73	8.37	8.13	8.17	8.50	8.45	8.19	8.46	8.51	
	D.O	8.8	8.4	6.7	7.8	6.2	7.5	7.6	**	8.9	8.9	**	9.3	
	BOD	0.4	0.4	0.5	0.4	0.6	0.6	0.4	0.6	0.4	0.4	0.3	0.4	0.5
	T.C.	350	<1.8	22	84	32	25	20	24	26	70	13	11	
Raw Water from Churat Nallah	pH	8.08	8.12	8.37	8.47	8.41	8.02	7.65	7.94	7.47	7.47	8.30	7.75	
	D.O	8.4	8.2	7.5	7.6	7.3	7.1	7.0	6.9	9.5	8.5	**	8.3	
	BOD	0.5	1.1	0.5	0.9	0.5	0.5	0.3	0.4	0.3	0.3	0.3	0.5	
	T.C.	34	1600	110	63	130	84	47	94	84	12	46	42	
Raw Water from Jagroti Nallah	pH	8.24	8.17	8.24	8.47	8.35	7.82	7.89	8.09	7.26	7.26	7.92	8.01	
	D.O	9.7	8.1	9.3	8.2	7.2	7.0	7.1	7.1	8.9	8.9	**	8.5	
	BOD	0.3	0.8	0.5	0.6	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.4	
	T.C.	23	490	120	46	110	140	17	12	17	350	14	17	
Sainj Nallah U/s Sainj WSS	pH	**	**	**	**	8.1	8.1	8.1	8.3	8.1	8.33	8.44	7.64	
	D.O	**	**	**	**	7.8	7.2	7.9	**	9.1	8.5	**	9.1	
	BOD	**	**	**	**	0.9	0.7	0.6	0.8	0.3	0.6	0.7	0.5	
	T.C.	**	**	**	**	47	48	21	43	22	430	23	46	
Dhaneson Nallah	pH	**	**	**	**	**	7.9	8.1	8.3	8.3	8.28	8.45	8.4	
	D.O	**	**	**	**	**	7.7	7.8	**	9.5	9.5	**	9.0	
	BOD	**	**	**	**	**	0.7	0.8	0.9	0.5	0.5	0.8	0.6	
	T.C.	**	**	**	**	**	26	26	84	17	120	24	46	
River Satluj D/s Rampur	pH	7.69	7.97	8.12	8.60	8.47	7.54	7.43	8.11	8.54	7.52	8.47	7.1	
	D.O	8.4	8.4	8.0	9.4	8.4	8.4	8.7	8.6	8.6	8.3	8.5	8.5	
	BOD	0.5	0.8	0.5	0.4	0.4	0.8	0.5	0.8	0.4	0.7	0.6	0.8	

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>T.C.</b>	430	>1600	>1600	430	350	220	220	350	350	920	540	540
River Satluj U/s Rampur	<b>pH</b>	7.56	8.02	8.14	8.61	8.45	7.58	8.10	8.08	8.53	7.43	8.17	7.99
	<b>D.O</b>	8.5	8.5	8.0	9.2	8.4	8.4	8.5	8.6	8.4	8.6	8.7	8.6
	<b>BOD</b>	0.4	1.0	0.4	0.5	0.4	0.5	0.3	0.7	0.4	0.4	0.4	0.8
	<b>T.C.</b>	170	>16 00	>16 00	210	220	110	120	150	94	350	350	280
River Satluj at Wangtoo Bridge	<b>pH</b>	7.61	7.21	8.16	8.61	8.55	7.32	7.78	7.81	8.61	7.38	8.36	8.21
	<b>D.O</b>	8.7	8.6	8.6	9.3	8.5	8.5	8.7	8.5	8.5	8.7	8.4	8.5
	<b>BOD</b>	1.4	0.9	0.5	0.4	0.6	0.4	0.5	0.7	0.4	0.6	0.6	0.5
	<b>T.C.</b>	110	280	220	140	220	94	350	430	210	350	250	250
River Baspa U/s reservoir Baspa HEP at Kuppa	<b>pH</b>	7.37	7.82	8.19	8.64	8.49	7.45	8.11	7.86	8.57	7.68	8.45	7.7
	<b>D.O</b>	9.5	9.3	10.0	9.8	9.5	9.5	9.5	9.4	9.0	9.4	9.8	9.6
	<b>BOD</b>	0.6	0.5	0.5	0.3	0.5	0.7	0.5	1.0	0.3	0.4	0.7	0.6
	<b>T.C.</b>	32	920	350	120	94	84	38	31	63	140	120	220
River Satluj before conf. with River Spiti at Khab	<b>pH</b>	8.13	8.11	7.86	8.38	8.40	7.39	8.18	7.43	8.37	8.14	8.41	8.4
	<b>D.O</b>	9.0	9.1	9.8	9.3	9.7	9.6	9.6	9.6	8.8	9.6	9.5	9.2
	<b>BOD</b>	0.5	0.4	0.4	0.5	0.5	0.6	0.2	0.3	0.4	0.4	0.6	0.7
	<b>T.C.</b>	40	20	32	47	48	70	150	170	110	130	140	280
River Spiti before conf. with River Satluj at Khab	<b>pH</b>	7.96	8.12	8.37	8.53	8.43	7.25	8.17	7.98	8.54	8.34	8.14	8.43
	<b>D.O</b>	9.5	9.6	9.5	9.3	9.5	9.8	9.7	9.8	9.0	9.4	9.6	9.9
	<b>BOD</b>	0.4	0.5	0.6	0.4	0.5	0.8	0.3	0.4	0.3	0.2	0.4	0.5
	<b>T.C.</b>	46	350	280	220	280	210	120	280	94	170	130	170
River Satluj after conf. with River Spiti at Khab	<b>pH</b>	7.26	8.11	8.31	8.55	8.40	7.50	8.13	8.04	8.42	8.08	8.34	8.41
	<b>D.O</b>	9.2	9.3	9.8	9.3	9.6	9.4	9.5	9.5	8.9	7.8	9.4	9.2
	<b>BOD</b>	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.8	0.4	0.3	0.2	0.5
	<b>T.C.</b>	47	540	350	210	220	140	150	220	140	280	170	210
Karcham Dam	<b>pH</b>	8.16	7.92	8.18	8.55	8.42	7.47	7.55	7.75	8.19	**	8.21	7.87

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>D.O</b>	8.5	8.4	8.5	9.0	8.5	8.5	8.9	8.4	8.4	**	8.7	8.7
	<b>BOD</b>	0.9	0.9	0.6	0.4	0.7	0.5	0.6	0.9	0.4	**	0.6	1.0
	<b>T.C.</b>	120	220	430	350	350	170	280	350	170	**	280	350
R. Satluj U/s Tattapani	<b>pH</b>	7.92	8.16	8.17	8.59	8.45	7.60	8.05	7.36	8.20	7.85	8.45	7.73
	<b>D.O</b>	8.4	8.2	8.0	9.3	8.4	8.6	8.3	8.4	8.6	7.8	8.2	8.0
	<b>BOD</b>	0.9	0.7	0.6	0.6	0.8	0.4	0.5	0.8	0.5	0.8	0.6	0.3
	<b>T.C.</b>	220	280	430	350	280	350	280	220	120	920	350	540
River Satluj D/s TRT OF RHEP	<b>pH</b>	**	7.37	8.11	**	8.44	7.48	7.00	7.51	8.4	7.47	8.23	7.34
	<b>D.O</b>	**	8.5	8.3	**	8.5	8.3	8.5	8.5	8.5	8.4	8.7	8.7
	<b>BOD</b>	**	0.3	0.5	**	0.5	0.4	0.5	0.7	0.6	0.7	0.8	0.5
	<b>T.C.</b>	**	>16 00	540	**	210	170	140	140	280	350	240	180
River Satluj U/s confluence with River Tidong	<b>pH</b>	**	**	**	**	8.42	7.41	8.09	7.39	8.39	7.49	8.04	8.29
	<b>D.O</b>	**	**	**	**	9.0	9.2	8.6	8.7	8.7	8.8	8.1	9.4
	<b>BOD</b>	**	**	**	**	0.5	0.5	0.5	0.9	0.3	0.4	0.5	0.5
	<b>T.C.</b>	**	**	**	**	150	140	120	94	140	280	220	170
River Satluj D/s confluence with River Tidong	<b>pH</b>	**	**	8.49	**	8.46	7.42	8.37	6.93	8.31	7.70	7.99	8.13
	<b>D.O</b>	**	**	8.5	**	9.0	9.0	8.6	8.6	8.7	8.8	8.0	9.3
	<b>BOD</b>	**	**	0.6	**	0.5	0.8	0.4	0.8	0.4	0.4	0.4	0.6
	<b>T.C.</b>	**	**	220	**	170	110	94	120	110	430	210	280
River Satluj D/s Power House at Kashang HEP	<b>pH</b>	**	**	8.32	**	8.44	7.91	8.15	7.69	8.49	7.56	8.05	8.45
	<b>D.O</b>	**	**	8.7	**	9.0	8.7	8.7	8.5	8.6	8.5	8.2	9.0
	<b>BOD</b>	**	**	0.7	**	0.8	0.6	0.4	0.8	0.5	0.5	0.2	0.6
	<b>T.C.</b>	**	**	350	**	120	94	94	120	110	220	140	220
Satluj River D/s Tidong HEP	<b>pH</b>	**	**	**	**	8.48	7.64	8.1	7.62	8.2	7.6	8.08	7.8
	<b>D.O</b>	**	**	**	**	9.2	9.4	8.7	8.6	8.9	8.9	7.8	9.4
	<b>BOD</b>	**	**	**	**	0.4	0.7	0.4	0.9	0.4	0.4	0.3	0.5

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	T.C.	**	**	**	**	110	120	120	110	120	350	280	210
R Satluj U/s landfill site of Rampur	pH	**	**	**	**	8.4	7.4	8.0	8.0	8.4	7.65	8.27	7.36
	D.O	**	**	**	**	8.4	8.5	8.6	8.6	8.6	8.4	8.4	8.5
	BOD	**	**	**	**	0.6	0.8	0.5	0.7	0.6	0.6	0.6	0.6
	T.C.	**	**	**	**	210	150	280	170	120	350	280	280
R Satluj D/s landfill site of Rampur	pH	**	**	**	**	8.46	6.91	8.0	7.9	8.55	7.52	8.42	7.63
	D.O	**	**	**	**	8.4	8.5	8.6	8.5	8.6	8.3	8.6	8.7
	BOD	**	**	**	**	0.6	0.8	0.6	0.8	0.6	0.8	0.7	0.7
	T.C.	**	**	**	**	430	350	350	280	350	920	350	430
R. Satluj U/s Conf with Ganvi Khad	pH	**	**	**	**	8.51	7.3	8.0	7.7	8.1	8	8.46	8.05
	D.O	**	**	**	**	8.5	8.7	9.0	8.5	8.4	8.4	8.7	8.7
	BOD	**	**	**	**	0.4	0.7	0.4	1.0	0.4	0.2	0.5	0.4
	T.C.	**	**	**	**	46	94	150	280	210	70	110	130
R. Satluj D/s Conf with Ganvi Khad	pH	**	**	**	**	8.3	7.0	8.1	8.1	8.1	8.26	8.04	8.10
	D.O	**	**	**	**	8.5	8.6	9.0	8.5	8.5	8.6	9.5	8.7
	BOD	**	**	**	**	0.3	0.4	0.5	0.9	0.4	0.3	0.4	0.6
	T.C.	**	**	**	**	84	84	350	350	170	170	130	170
R. Satluj U/s Conf. of River Baspa	pH	**	**	**	**	**	**	**	**	8.1	7.54	**	7.8
	D.O	**	**	**	**	**	**	**	**	8.5	8.9	**	9.6
	BOD	**	**	**	**	**	**	**	**	0.4	0.3	**	0.4
	T.C.	**	**	**	**	**	**	**	**	94	180	**	240
R. Satluj D/s Conf. of River Baspa	pH	**	**	**	**	**	**	**	**	8.56	7.67	**	7.77
	D.O	**	**	**	**	**	**	**	**	8.6	8.8	**	9.6
	BOD	**	**	**	**	**	**	**	**	0.5	0.4	**	0.7
	T.C.	**	**	**	**	**	**	**	**	84	170	**	280

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Halog Nallah water supply scheme Bag Khaneri,Halog	pH	**	**	**	**	8.3	7.7	8.1	8.4	8.1	7.68	7.82	7.48
	D.O	**	**	**	**	**	**	9.6	9.4	9.2	9.3	9.5	9.3
	BOD	**	**	**	**	0.3	0.6	0.4	0.6	0.4	0.2	0.2	0.4
	T.C.	**	**	**	**	63	70	150	120	150	84	110	84
Machada Nallah,Majhouthi Water supply Scheme,Nirsu, Majhouthi	pH	**	**	**	**	8.47	7.6	7.9	7.3	8.1	7.62	7.94	7.5
	D.O	**	**	**	**	**	**	9.4	9.4	9.0	9.2	9.6	9.6
	BOD	**	**	**	**	0.5	0.8	0.6	0.7	0.6	0.7	0.3	0.4
	T.C.	**	**	**	**	220	140	170	210	110	540	170	150
U/S Slapper, River Satluj	pH	7.92	8.19	8.06	7.92	8.05	8.12	8.27	8.05	8.12	8.46	8.04	7.98
	D.O	9.2	11.3	9.4	10.2	8.6	9.5	8.7	8.4	9.1	8.3	9	8.9
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
	T.C.	210	220	170	130	210	280	140	110	94	110	94	94
D/S Slapper, Satluj River after Conf. with River Beas	pH	7.85	8.05	8.01	7.87	8.09	8.18	8.24	8.17	8.1	8.25	8.06	7.84
	D.O	9.6	11.2	9.4	9.5	9.7	9.9	8.9	9.1	9.3	8.9	8.9	8.8
	BOD	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.3
	T.C.	240	280	280	240	280	280	220	130	140	120	110	94
Exit of Dehar Power House, Beas River	pH	7.88	7.99	8.09	7.9	8.08	8.13	8.19	8.13	7.92	8.55	7.96	7.61
	D.O	8.9	9.5	9.9	8.6	9	8.7	7.9	8.9	0.3	9.1	8.9	9.4
	BOD	0.1	0.2	0.4	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	T.C.	220	350	350	280	280	240	280	130	170	120	120	110
D/s Bilaspur at Govindsagar	pH	7.87	8.21	8.02	7.63	7.87	7.69	8.3	8.36	7.84	8.52	7.93	7.89
	D.O	9.8	10.5	9.6	10.2	9.8	9.8	8.9	9.4	8.7	10.1	9.8	8.9
	BOD	0.4	0.4	0.6	0.4	0.4	0.2	0.3	0.2	0.2	0.4	0.4	0.4
	T.C.	920	920	540	540	540	540	540	350	280	350	280	350
	pH	7.67	7.85	7.85	6.77	7.76	8.05	8.04	8.14	7.91	8.05	7.98	7.96

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
U/s Mandi, Beas River)	<b>D.O</b>	7.1	8.6	7.8	9	8.6	7.4	8.6	9.9	9.2	9.7	9.7	9.7
	<b>BOD</b>	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2
	<b>T.C.</b>	220	150	240	220	150	210	120	140	170	110	140	110
D/s Mandi, Beas River	<b>pH</b>	7.85	7.9	7.94	6.75	7.67	8.02	8.19	8.59	8.17	7.99	8.08	7.79
	<b>D.O</b>	8.1	9.9	9.3	9.2	8.5	8.5	8.4	10.2	9.4	9.3	10.3	9.4
	<b>BOD</b>	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.5	0.3	0.2
	<b>T.C.</b>	540	540	540	540	350	340	540	540	350	540	920	350
Rewalsar Lake	<b>pH</b>	8.2	7.97	8.12	6.49	8.06	7.87	8.18	7.08	7.6	7.53	8.17	7.26
	<b>D.O</b>	12.5	6.2	8.9	8.1	11	9.3	8.5	8.7	11.3	8.9	8	7.7
	<b>BOD</b>	3	4	3	0.8	3	4	12	6	4.2	2.2	2	3.4
	<b>T.C.</b>	16 00	920	920	920	920	920	920	920	540	350	350	540
D/s Mandi, Suketi Khudd (2607)	<b>pH</b>	8.38	8.23	7.82	6.71	8.06	7.87	8.32	8.31	8.53	8.33	8.14	8.01
	<b>D.O</b>	8.2	7.7	5.6	7.2	7.5	7.4	7.6	9.3	8.6	8.2	9.9	8.7
	<b>BOD</b>	0.5	0.6	0.4	0.6	0.4	0.2	0.4	0.2	0.4	0.6	0.3	0.4
	<b>T.C.</b>	920	920	16 00	920	430	920	350	280	350	920	540	350
R.Beas, U/s Pandoh Dam	<b>pH</b>	7.54	8.06	7.88	6.91	7.84	7.48	7.77	7.98	7.99	8.01	7.98	7.86
	<b>D.O</b>	9.8	9.1	9.8	8.6	9.4	8.6	8.8	8.9	8.2	10.5	9.2	8.9
	<b>BOD</b>	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
	<b>T.C.</b>	240	170	280	220	210	280	220	280	170	110	94	110
R.Beas, D/s Pandoh Dam	<b>pH</b>	7.22	7.68	7.78	6.92	7.81	7.55	7.91	7.95	8.06	7.97	8.01	7.6
	<b>D.O</b>	11.3	8.8	7.2	8.3	8.9	8.5	8.7	9.3	8.6	10.3	9.4	9.2
	<b>BOD</b>	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.2
	<b>T.C.</b>	350	280	350	280	280	350	350	280	220	120	110	94
R.Beas, D/s Aut	<b>pH</b>	7.34	7.81	7.43	8.56	7.41	7.76	7.61	7.74	7.94	7.86	7.83	7.51
	<b>D.O</b>	10.9	10.8	9.1	10.5	8.7	9.1	8.7	8.8	8.8	8.9	9.9	8.4
	<b>BOD</b>	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>T.C.</b>	350	220	430	210	240	240	170	150	110	150	120	94
R.Sainj, D/s Largi	<b>pH</b>	7.55	7.83	7.52	7.92	7.48	7.78	8.14	8.12	8.18	7.82	8.02	7.72
	<b>D.O</b>	10.8	10.9	9	9.9	9	9	8.2	8.6	8.7	8.8	10.5	8.6
	<b>BOD</b>	0.2	0.2	0.2	0.2	0.1	0.4	0.2	0.1	0.1	0.1	0.1	0.2
River Parvati, U/s Manikaran	<b>pH</b>	7.44	7.79	7.81	8.09	7.87	7.1	8.58	8.18	7.6	7.7	7.72	7.52
	<b>D.O</b>	11.3	11.5	8.6	9.3	9.4	9.6	8.5	8.7	8.6	10.9	10.9	8.9
	<b>BOD</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>T.C.</b>	130	170	140	110	130	130	94	94	70	94	70	63
River Parvati, D/s Manikaran	<b>pH</b>	7.58	7.77	7.94	8.07	7.71	8.78	7.36	7.58	7.51	7.6	7.35	7.33
	<b>D.O</b>	11.1	11.4	8.6	9.3	9.4	9.2	8.5	8.7	8.6	10.8	10.8	8.9
	<b>BOD</b>	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2
	<b>T.C.</b>	180	220	170	140	150	140	110	170	94	110	94	94
River Beas, U/s Manali	<b>pH</b>	7.73	7.89	7.9	7.04	8.38	8.17	7.36	7.84	7.83	7.98	8.15	7.92
	<b>D.O</b>	10.1	10.8	8.7	8.9	9.8	9.7	9	9.6	9.6	8.8	11.5	9.4
	<b>BOD</b>	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>T.C.</b>	240	170	180	210	220	210	150	120	94	70	49	49
River Beas, D/s Manali	<b>pH</b>	6.96	7.9	7.39	7.29	8.25	8.14	7.73	7.32	7.71	8.01	7.82	7.41
	<b>D.O</b>	10.3	10.9	8.2	8.6	9.5	9.2	8.7	9.3	9.3	8.6	10.8	9.2
	<b>BOD</b>	0.5	0.5	0.6	0.5	0.2	0.1	0.2	0.3	0.1	0.2	0.2	0.3
	<b>T.C.</b>	430	540	350	350	280	350	280	350	220	280	220	120
River Beas, U/s Kullu	<b>pH</b>	7.29	7.05	7.71	7.14	7.19	7.83	7.65	7.56	7.79	7.51	8.02	7.75
	<b>D.O</b>	11.3	11.3	8.9	8.9	9.2	10.5	8.6	7.6	11.3	9.8	10.6	9.3
	<b>BOD</b>	0.2	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2
	<b>T.C.</b>	350	350	540	220	350	350	220	220	220	280	170	140
River Beas, D/s Kullu	<b>pH</b>	7.83	7.51	8.12	7.43	7.36	7.67	7.63	7.71	7.95	7.84	7.87	7.63
	<b>D.O</b>	11.3	11.1	8.7	9	8.9	8.2	8.7	7.8	9.6	8.8	10	9.1

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>BOD</b>	0.4	0.5	0.6	0.5	0.3	0.2	0.4	0.2	0.1	0.2	0.3	0.3
	<b>T.C.</b>	540	540	920	280	430	430	220	350	280	350	220	170
Parvati River, before confluence to R. Beas at Bhunter	<b>pH</b>	8.01	7.73	7.77	7.19	7.64	8.13	7.44	7.54	8.31	7.73	7.29	7.55
	<b>D.O</b>	11.5	11.1	8.4	9.5	9.7	9.1	8.1	8.4	8.4	10.5	10.6	8.6
	<b>BOD</b>	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
	<b>T.C.</b>	210	220	280	220	280	280	170	110	110	170	140	110
Manalsu nalla before conf to R. Beas	<b>pH</b>	7.09	7.86	7.78	6.94	7.76	7.82	7.23	7.56	7.43	7.64	7.48	7.54
	<b>D.O</b>	10.5	12	9.1	9.1	9.7	9.7	9	9.5	9.5	9.1	11.2	9.4
	<b>BOD</b>	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
	<b>T.C.</b>	220	180	170	170	150	150	110	94	46	70	49	46
Sarvari Nalla before conf. to river Beas.	<b>pH</b>	7.88	7.25	7.73	7.21	7.71	8.08	8.06	8.13	8.14	7.66	7.53	7.04
	<b>D.O</b>	11.2	11.4	9	9.1	9.7	9.8	8.8	8.1	10.5	8.9	10.7	9.4
	<b>BOD</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
	<b>T.C.</b>	280	170	220	120	170	220	110	130	110	120	94	120
Baragran Nalla before conf to R. beas	<b>pH</b>	8.01	7.45	7.85	6.96	7.65	8.03	7.27	7.48	7.65	7.75	8.16	7.47
	<b>D.O</b>	9.9	12	9.4	9	9.7	9.9	9.1	9.5	9.4	9.3	11.2	9.3
	<b>BOD</b>	0.1	0.1	0.1	0.1	0.1	0.6	0.3	0.3	0.1	0.1	0.1	0.2
	<b>T.C.</b>	210	210	220	140	170	220	210	240	220	220	140	140
U/s Khairian SW dumping site Bilaspur	<b>pH</b>	7.93	8.12	8.5	7.74	8.06	7.92	8.27	8.37	8.01	8.66	8.08	8.05
	<b>D.O</b>	10.2	10.8	7.3	9.1	9.7	9.7	8.9	9.2	9.2	9.3	9.8	9.1
	<b>BOD</b>	0.2	0.2	0.2	0.2	0.1	0.4	0.2	0.2	0.1	0.2	0.2	0.2
	<b>T.C.</b>	220	220	170	170	220	280	220	170	140	110	110	94
D/s Khairian SW dumping site Bilaspur	<b>pH</b>	7.94	8.19	7.96	7.87	8.07	7.89	8.27	8.33	8.03	8.38	7.87	8.03
	<b>D.O</b>	10.3	10.6	9.8	9.8	9.9	9.6	8.8	8.9	9.1	10.6	9.7	9.7
	<b>BOD</b>	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.3

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>T.C.</b>	350	280	280	220	280	170	280	240	220	170	170	120
R. Beas D/s Manalsu Nalla	<b>pH</b>	7.09	8.04	7.7	7.07	7.8	7.89	7.69	7.77	7.76	7.91	8.16	6.56
	<b>D.O</b>	10.2	10.9	8.9	9.8	9.5	9.5	8.9	9.3	9.4	8.6	11.4	9.3
	<b>BOD</b>	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>T.C.</b>	240	240	240	240	280	220	150	120	70	94	70	70
R. Tirthan before conf to R. Sainj	<b>pH</b>	7.79	7.96	7.85	7.58	7.64	8.19	8.05	8.16	8.02	8.06	7.93	8.12
	<b>DO</b>	11.5	11.5	9	8.2	9.3	8.5	8.1	9.4	9.3	9.8	9.8	8.5
	<b>BOD</b>	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	170	210	280	220	240	170	140	150	140	110	94	94
R. Beas at Raison	<b>pH</b>	--	7.28	7.81	7.07	7.61	8.19	7.51	7.65	7.76	8.04	8	7.52
	<b>DO</b>	--	11	9.3	9.1	9.6	8.3	9.2	9.4	9.3	10.2	11.5	9.2
	<b>BOD</b>	--	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.1	0.2	0.2	0.2
	<b>TC</b>	--	220	280	220	240	280	350	280	220	280	170	220
R. Beas D/s of WPF Manali	<b>pH</b>	--	7.27	8.1	7.45	7.63	8.08	7.61	7.61	7.42	7.78	7.84	7.04
	<b>DO</b>	--	10.8	8.5	8.4	9.4	9.7	8.5	9.2	9.2	8.5	10.6	9.1
	<b>BOD</b>	--	0.2	0.5	0.4	0.2	0.1	0.8	0.6	0.2	0.3	0.2	0.2
	<b>TC</b>	--	280	540	430	540	540	540	540	280	220	350	280
R. Beas D/s of WPF Kullu	<b>pH</b>	--	7.65	7.95	6.91	7.98	7.49	7.62	7.63	7.92	7.96	7.92	7.91
	<b>DO</b>	--	11.1	8.6	8.9	8.8	10	8.6	7.8	9.5	8.7	10.2	9
	<b>BOD</b>	--	0.4	0.4	0.4	0.3	1.4	0.9	0.5	0.2	0.2	0.3	0.2
	<b>TC</b>	--	430	540	540	540	540	430	350	280	350	240	170
Alhi River Nog (near WSS intake) tributary of R. Satluj	<b>pH</b>	--	8.4	8.47	7.98	8.64	8.12	8.57	8.45	8.51	8.81	8.36	8.39
	<b>DO</b>	--	9.4	8.3	7.8	7.8	7.8	7.8	7.9	7.5	9.1	9.2	8.9
	<b>BOD</b>	--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	--	170	170	130	170	170	170	170	220	130	220	170
	<b>pH</b>	--	8.25	8.06	8.15	8.36	7.92	7.46	7.32	7.46	8.5	7.36	7.27

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Harabag ( Intake from BBMB source- BBMB Adit Harabag) water Spring	DO	--	11.1	7.6	6.8	8.3	7.7	7.7	7.3	7.7	8.5	8.7	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
	TC	--	210	79	140	140	210	110	70	94	94	94	110
Manalsu nalla ( WSS from Manali town) U/s of Old Manali	pH	--	8.27	7.84	7.2	7.71	8.08	7.5	7.52	7.51	7.72	7.55	7.27
	DO	--	12	9.6	9.2	9.9	9.8	9.1	9.7	9.6	9.2	11.3	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
	TC	--	110	170	210	210	140	110	140	33	70	49	70
Khalada nalla WSS Kullu Town	pH	--	7.18	8.28	7.74	8.15	8.17	8.18	7.47	8.18	8.18	8.19	8.13
	DO	--	11.4	10.3	9.3	9.9	7.9	9.1	8.2	11.5	9	11.1	9.5
	BOD	--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
	TC	--	140	110	110	140	130	94	70	70	94	94	110
In lifting WSS Shamshi near sabzi Mandi Bhunter	pH	--	7.69	--	--	--	--	--	--	--	--	--	--
	DO	--	11.2	--	--	--	--	--	--	--	--	--	--
	BOD	--	0.1	--	--	--	--	--	--	--	--	--	--
	TC	--	120	--	--	--	--	--	--	--	--	--	--
River Sirsa U/s Sitomajari	pH	8.12	7.61	7.64	7.96	7.64	7.09	7.37	7.58	7.58	7.71	7.59	7.16
	DO	8.9	8.6	8.9	8.9	8.5	6.5	8.4	6.5	6.5	8	5.8	6.7
	BOD	1.8	2.2	0.4	2.2	1.2	0.4	0.4	1.2	1.2	2.0	1.4	0.8
	TC	94	26	70	84	48	32	41	84.0	84	58	32	17.0
River Sirsa D/s Nalagarh Bridge	pH	7.72	7.79	7.26	7.60	8.1	7.53	7.45	8.14	8.14	7.6	7.41	7.55
	DO	7.4	5.2	6.5	7.5	6.3	5.9	6.2	5.7	5.7	7.2	9.8	9.8
	BOD	3.2	6.5	6.2	2.8	2.9	0.3	2.2	4.4	4.4	1.8	0.4	1.2
	TC	130	170	140	130	280	38	94	150	150	220.0	58	43
	pH	7.45	8.22	7.61	7.8	8.2	7.25	7.95	8.04	8.04	7.38	7.62	7.15
	DO	7.8	6.4	7.8	8.5	6.8	6.5	8	7.0	7.0	5.8	9.9	8.3

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
River Sirsa at D/s Nalagarh Town	<b>BOD</b>	3.3	2.2	4.0	2.6	2.7	0.4	2.0	4.2	4.2	1.2	2.8	1.4
	<b>TC</b>	150	120	110	170	220	32	84	170	170	110.0	70	48
Bhatianya Nallah D/s Sara Textile Nalagrh	<b>pH</b>	7.93	7.63	7.6	8.31	7.41	7.16	7.57	7.70	7.98	8.16	7.50	6.83
	<b>DO</b>	7.6	5.7	5.5	5.1	5.5	5.1	5.4	4.6	3.0	3.50	2.50	2.0
	<b>BOD</b>	2.6	4.4	110.0	3.2	2.0	16.0	2.6	18.0	15.0	2.8	42.0	58.0
	<b>TC</b>	170	210	920	280	94	210	70	170	240	130	220.0	280
Bhatianya Nallah U/s Bhatinya Village Nalagrh	<b>pH</b>	7.5	7.78	7.03	7.52	7.35	7.03	8.1	7.86	7.26	7.3	7.3	6.67
	<b>DO</b>	6.2	6.2	5.9	5.2	5.8	5.4	5.1	3.8	2.5	3.2	4.2	2.5
	<b>BOD</b>	24.0	8.2	12.0	3.0	1.9	2.8	3.0	15.0	12	4.4	1.2	48
	<b>TC</b>	920	240	280	210	79	58	280	110	280	280	47.0	220.0
River Bald D/s Land fill site Baddi	<b>pH</b>	7.5	7.5	8.3	7.9	8.01	7.32	7.6	7.58	8.09	7.3	7.52	6.74
	<b>DO</b>	6.1	6.4	5.2	6.4	7.2	6.2	5.9	4.3	3.5	8.1	6.0	5.6
	<b>BOD</b>	2.6	4.2	1.8	2.6	2.8	1.8	1.2	3.6	5	1.8	0.8	1.2
	<b>TC</b>	110	120.0	70.0	94.0	120	140	84.0	94	220	94	31	32
River Sirsa U/s Sandholi Nallaha	<b>pH</b>	7.96	7.53	7.47	7.82	6.85	7.29	8.01	7.91	7.88	7.73	7.66	7.48
	<b>DO</b>	7.8	8.4	8.2	8.6	7	6.8	7.6	8.1	7	6.3	6.0	6.2
	<b>BOD</b>	4.0	4.8	9.2	2.5	2.4	2	0.9	4	2	2.2	1.0	4.8
	<b>TC</b>	150.0	220.0	140	140.0	94	43	6.1	46	140	84	40.0	70
River Sirsa D/s H. Board Nallah	<b>pH</b>	7.53	8.14	7.72	6.88	7.48	6.7	7.67	7.41	8.11	7.64	7.44	6.89
	<b>DO</b>	5.9	5.4	5.8	6.8	5.6	5.4	5.0	4.6	6.5	4.3	6.0	6
	<b>BOD</b>	24.0	25.0	16.0	3.8	2.8	3	3.0	3.8	3.2	2.4	1.2	22
	<b>TC</b>	430	540.0	220	110.0	430	110	170	58	350	170	47	94
River Ratta before conf.to River Sirsa	<b>pH</b>	7.54	8.0	8.3	7.24	7.73	7.1	7.69	7.53	7.96	7.05	7.52	7.2
	<b>DO</b>	6.1	5.9	4.2	5.9	5.8	6.8	4.5	5	6	6.7	6.2	6.8
	<b>BOD</b>	7.8	8.0	310.0	2.8	3	2.8	2.2	4.2	2.1	2	1.2	1.8

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>TC</b>	170	170.0	1600	84	110	94	120	58	130	94	32	29
River Sirsa D/S River Ratta	<b>pH</b>	7.69	7.5	7.6	7.08	7.64	7.04	7.63	7.55	8.08	7.27	7.67	7.44
	<b>DO</b>	5.2	6.7	6.8	6.8	6.4	6.3	5.4	5.3	6.6	6.3	7.0	7.5
	<b>BOD</b>	18.0	18.5	1.5	3	2.2	2.2	1.8	4.4	2.9	4.8	2.8	3.8
	<b>TC</b>	220	350.0	63.0	130	140	120	26	63	170	130	47	70
River Sukhna at Parwanoo	<b>pH</b>	7.42	7.92	7.93	7.60	7.78	7.51	7.91	7.15	7.25	7.48	6.29	7.02
	<b>DO</b>	5.0	4.2	2.5	6.10	6.2	5.9	5	4.9	5.8	5.6	5.4	5.3
	<b>BOD</b>	58.0	25.0	32.0	2.8	2.8	2.2	1.6	1.8	2.8	0.8	2.8	3.8
	<b>TC</b>	>1600	920	540	70	920	170	70	94	170	70.0	47	33.0
Solan D/s od MSW Dumping site	<b>pH</b>	7.07	7.39	7.39	7.26	7.36	7.7	7.45	7.34	7.66	7.39	7.99	7.07
	<b>DO</b>	8.0	7.6	7.6	-	-	5.3	5.0	-	-	-	-	-
	<b>BOD</b>	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	26.0	3.6	4	41.0	1.8	<1.8	2	1.8	26.0	<1.8	1.8	1.8
Ashwani at U/s Yaswant Nagar	<b>pH</b>	7.94	7.03	8.67	8.90	7.73	8.14	8.15	7.84	8.19	7.71	7.28	6.4
	<b>DO</b>	7.8	7.8	7.0	6.6	5.5	5.9	6.1	6.0	6.2	6.1	6.0	6
	<b>BOD</b>	0.6	1.6	1.8	0.6	2.4	0.2	0.1	0.2	0.8	0.4	0.1	0.4
	<b>TC</b>	32	46	40	31	170	14	11	12	38	21	14	21.0
Giri at D/s Yaswant Nagar	<b>pH</b>	7.80	7.19	7.88	8.58	7.81	8.1	8.02	8.2	6.85	7.54	7.4	7.14
	<b>DO</b>	8.0	7.6	6.5	6.9	5.6	6.2	6.3	6.2	6.4	6.3	6.2	6.2
	<b>BOD</b>	1.2	0.2	3.3	0.7	0.8	0.2	0.3	0.2	0.6	0.7	0.1	0.8
	<b>TC</b>	4	26	150	40	140	39	33	26	94	33	25	20.0
Surajmukhi nallah U/s WSSS Galyana	<b>pH</b>	7.89	7.08	7.69	7.55	7.71	8.03	7.89	7.8	7.76	7.28	6.43	7.07
	<b>DO</b>	7.2	7.4	6.9	6	5.5	5.3	5.4	5.2	5.4	5.5	5.3	5.2
	<b>BOD</b>	8.0	2.0	4.5	2.2	1.6	0.4	0.3	0.2	0.4	0.8	1.8	1.8

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>TC</b>	70.0	43.0	70	94	430	63	32	27	63	38	33	38.0
Giri River Village Maryaog after Confl. Of R. Giri & Ashwani	<b>pH</b>	7.8	7.14	7.76	8.0	7.8	8.13	8.31	8.15	7.51	7.24	6.4	7.12
	<b>DO</b>	8.1	7.8	6.6	6.8	5.7	6.1	6.1	6.1	6.3	6.4	6.4	6.3
	<b>BOD</b>	0.4	1.8	3.8	0.4	0.9	0.1	0.1	0.2	0.7	0.6	0.4	0.9
	<b>TC</b>	33.0	47	170	27	120	27	22	26	70	14	33	33.0
Kunni pul at Kunihaar	<b>pH</b>	-	7.87	7.4	7.5	7.6	7.7	7.75	8.3	8.0	8.4	7.5	7.56
	<b>DO</b>	-	7.5	8.5	6.6	5.2	5.7	7.2	6.9	7.0	7.2	7.1	7.1
	<b>BOD</b>	-	0.4	0.8	1.2	1.8	0.1	0.2	0.3	0.4	0.2	0.1	0.1
	<b>TC</b>	-	48.0	21.0	26	120	26	21.0	26.0	17	31	24.0	14.0
The River Ashwani at Village Sadhupul,D/S Tehsil Kandaghat	<b>pH</b>	7.22	7.1	-	8.8	7.3	7.8	7.58	7.52	7.84	6.98	7.59	6.94
	<b>DO</b>	7.4	8.5	-	6.5	7.0	5.8	5.9	5.8	5.8	5.9	6.0	5.9
	<b>BOD</b>	2	1.2	-	1.0	2.0	0.1	0.3	0.2	0.3	0.8	1.2	1.1
	<b>TC</b>	22	47.0	-	38	41.0	12.0	27	26.0	21.0	38.0	47.0	24.0
Ashwani river @Sadhupul (u/s of bridge towards Chail)	<b>pH</b>	-	8.3	8.2	8.61	7.4	7.9	7.38	7.27	7.72	6.64	7.72	6.9
	<b>DO</b>	-	6.8	6.0	6.5	7.0	5.7	5.7	5.6	5.7	5.8	5.9	5.8
	<b>BOD</b>	-	2.2	0.4	1.8	0.8	0.4	0.2	0.1	0.3	0.2	0.1	0.8
	<b>TC</b>	-	58.0	38.0	32	32.0	20.0	20	22.0	20.0	10.0	34.0	39.0
Surajmukhi nallah D/S STP Samti Solan	<b>pH</b>	-	-	-	-	7.68	8.17	8.16	7.45	7.45	7.54	7.01	7.05
	<b>DO</b>	-	-	-	-	5.5	5.2	5.3	5.3	5.3	5.4	5.5	5.3
	<b>BOD</b>	-	-	-	-	1.2	0.4	0.6	0.9	0.9	0.8	1.6	0.6
	<b>TC</b>	-	-	-	-	120	46	40	94	94	40	41	25
River Binwa D/S Paprola/Baijnath (2608)	<b>pH</b>	7.51	7.69	7.67	7.25	8.09	8.12	8.02	7.62	7.65	7.81	7.74	7.68
	<b>DO</b>	8.70	8.8	8.8	8.7	8.6	8.9	8.9	8.7	8.7	8.6	7.3	8.2
	<b>BOD</b>	0.20	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	63	94	90	--	94	46	84	46	49	48	34	31

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
River Neugal D/S Thural (2609)	pH	7.57	7.82	7.3	7.45	7.56	7.86	7.71	7.96	7.91	7.81	7.47	7.87
	DO	8.80	8.9	9.1	9.2	9.0	9.0	8.8	9.0	8.6	9.1	8.8	8.9
	BOD	0.20	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1
	TC	70	110	84		94	130	63	48	63	47	41	32
River Ravi U/S Chamba (1089)	pH	7.29	7.21	7.41	7.64	7.73	8.18	7.8	7.6	7.72	7.84	7.61	7.48
	DO	8.60	8.5	8.1	8.0	8.3	8.3	8.3	8.9	8.8	8.8	8.8	8.6
	BOD	0.20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	120	130	130	--	120	--	33	--	46	33	32	27
River Beas D/S Jaisinghpur (2604)	pH	7.90	7.79	7.82	7.47	7.98	8.11	7.81	8.2	8.6	7.98	8.17	7.81
	DO	9.00	9.3	9.2	9.2	9.4	9.4	9.0	12.0	9.4	9.2	9.1	9.0
	BOD	0.30	0.1	0.4	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.1
	TC	94	79	79	--	120	140	70	41	39	39	34	34
River Beas D/S Alampur (1007)	pH	7.69	7.81	7.78	7.52	7.89	8.07	7.77	8.09	8.12	7.86	7.52	7.82
	DO	9.20	9.2	9.1	9.2	9.2	9.2	9.2	11.5	9.1	9.2	9.4	8.7
	BOD	0.40	0.3	0.3	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1
	TC	120	58	63	--	94	94	63	46	47	38	39	32
River Ravi D/S Chamba (2613)	pH	7.35	7.66	7.86	7.72	8.02	8	7.65	7.79	7.93	7.89	7.83	6.86
	DO	8.40	8.5	8.2	7.4	7.8	8.2	8.3	8.6	8.5	8.7	8.7	8.6
	BOD	0.30	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	63	94	140	--	70	--	46	--	70	40	39	39
Khajiar Lake Chamba (2650)	pH	7.98	7.86	8.03	7.7	7.9	7.66	7.51	6.83	6.85	--	7.85	7.24
	DO	6.20	6.0	6.1	6.1	6.0	5.8	5.2	4.2	6.1	--	6.2	6.1
	BOD	1.90	6.5	4.0	2.8	6.5	2.0	4.0	1.8	4.4	--	1.9	6.5
	TC	220	120	280	--	220	--	280	79	220	--	220	240
River Ravi at Chamera	pH	7.52	7.62	7.52	8.16	7.67	8.09	8.01	7.96	7.52	7.83	7.79	7.87
	DO	8.70	8.3	8.0	8.2	8.2	8.5	9.2	8.7	10.2	9.4	8.8	8.8

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Reservoir (2614)	<b>BOD</b>	0.20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	110	140	70	--	110	--	84	63	46	39	34	32
River Siul D/S Surgani (2616)	<b>pH</b>	7.61	7.39	7.48	8.12	7.61	8.12	7.97	7.92	6.8	7.76	7.84	7.38
	<b>DO</b>	8.70	8.1	8.0	8.2	8.1	8.5	9.6	9.1	9.8	9.1	8.9	8.9
	<b>BOD</b>	0.30	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	94	110	94	--	79	--	63	58	43	41	38	34
River Ravi U/s Madhopur HW (1088)	<b>pH</b>	7.41	7.36	7.32	7.48	7.93	7.43	7.87	8.11	7.91	7.65	7.56	6.95
	<b>DO</b>	8.90	9.3	9.1	9.1	8.2	7.3	8.9	8.9	8.9	6.9	7.0	9.0
	<b>BOD</b>	0.20	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.1
	<b>TC</b>	63	70	---	79	58	84	70	63	63	63	22	40
River Satluj D/S Bhakhra (1016)	<b>pH</b>	7.74	7.67	7.86	8.26	8.09	7.45	8.2	8.09	8.04	7.84	7.84	7.52
	<b>DO</b>	7.30	6.5	6.6	7.1	8.1	9.5	10.0	7.3	7.5	7.8	8.1	7.7
	<b>BOD</b>	0.30	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
	<b>TC</b>	94	---	130	130	110	78	--	79	79	84	48	34
River Swan D/S (Nangal) Santokhgarh (1869)	<b>pH</b>	7.81	7.96	7.17	8.08	8.1	7.49	7.75	8.12	8.09	7.88	7.69	7.97
	<b>DO</b>	6.20	6.0	5.9	6.1	7.8	7.4	6.5	6.2	7.8	7.3	7.1	7.3
	<b>BOD</b>	0.40	0.4	0.2	0.2	0.4	0.3	0.1	0.2	0.2	0.3	0.3	0.2
	<b>TC</b>	110	---	140	84	120	120	--	84	94	94	58	39
River Ravi D/S of proposed Dam Chamera III (2615)	<b>pH</b>	7.92	7.76	7.95	8.11	7.98	8.09	8.02	7.74	7.69	8	7.78	7.95
	<b>DO</b>	8.70	8.3	8.0	8.1	8.1	8.3	9.5	8.9	8.7	8.9	8.8	8.7
	<b>BOD</b>	0.20	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
	<b>TC</b>	120	79	110	--	110	--	49	--	70	39	46	32
River Beas Pong Dam at Pong Village (1292)	<b>pH</b>	7.83	7.72	7.26	7.78	7.46	7.97	7.96	7.9	7.59	7.84	7.87	6.78
	<b>DO</b>	8.70	8.8	8.9	9.2	9.3	9.1	8.7	8.3	8.3	9.1	9.4	8.1
	<b>BOD</b>	0.10	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
	<b>TC</b>	110	63	94	94	120	33	70	58	46	70	58	39
River Beas D/S Pong Dam (1009)	<b>pH</b>	7.92	7.45	7.37	7.86	7.72	7.63	7.99	7.92	7.82	7.87	7.8	6.87
	<b>DO</b>	8.80	8.9	8.3	9.3	9.4	9.3	8.8	8.9	8.9	9.2	9.2	8.6
	<b>BOD</b>	0.30	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1
	<b>TC</b>	180	58	110	110	170	94	84	70	70	79	63	41
Rever Beas D/S Dehra (1008)	<b>pH</b>	7.49	7.32	7.29	8.08	7.94	8.01	---	7.81	7.75	7.81	7.75	7.67
	<b>DO</b>	9.00	9.1	9.0	9.1	8.7	8.7	---	8.7	8.7	9.0	9.1	9.0
	<b>BOD</b>	0.50	0.2	0.4	0.3	0.4	0.1	---	0.1	0.1	0.2	0.2	0.1
	<b>TC</b>	110	70	79	79	120	58	---	58	48	41	32	27
Swan River U/s Satokhgarh Bridge 3858	<b>pH</b>	7.87	7.53	7.23	8.11	7.99	7.52	7.86	7.98	7.91	7.87	7.59	8.02
	<b>DO</b>	6.10	6.3	6.4	6.0	8.0	7.4	6.2	5.3	7.3	6.3	6.3	6.4
	<b>BOD</b>	0.20	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.1
	<b>TC</b>	110	---	110	70	120	79		70	79	63	47	32
River Beas D/s Nadaun Bridge 3855	<b>pH</b>	7.39	---	7.9	8.1	7.77	8.12	---	7.88	8.07	8.11	8.21	7.84
	<b>DO</b>	9.20	---	9.0	9.2	9.2	9.1	---	9.1	9.1	9.1	9.2	9.3
	<b>BOD</b>	0.40	---	0.4	0.1	0.2	0.1	---	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	120	---	84	70	130	84	---	43	40	40	31	32
Swan River U/s Una Town Ghaluwal Bridge 3859	<b>pH</b>	7.84	7.61	7.93	8.05	8.18	7.35	7.42	8.04	8.16	7.74	7.75	7.88
	<b>DO</b>	6.10	5.9	5.8	6.0	7.6	7.4	7.0	6.1	7.4	6.4	6.1	6.4
	<b>BOD</b>	0.30	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	120	---	94	79	130	63	--	63	70	70	43	27
Swan River U/s Ind. Area Gagret 3856	<b>pH</b>	7.81	7.48	7.36	8.22	8.08	7.21	8.08	7.89	7.86	7.81	7.78	8
	<b>DO</b>	6.00	6.2	6.1	6.1	7.9	7.2	6.3	6.2	7.2	6.5	6.6	6.5
	<b>BOD</b>	0.20	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	94	---	84	110	94	63	--	84	94	70	58	38
	<b>pH</b>	7.95	8.02	8.04	8.28	8.14	7.14	8.1	7.94	7.98	7.93	7.86	7.91

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Swan River D/s Ind. Area Gagret 3857	DO	6.00	6.2	6.1	6.2	7.9	7.2	6.4	5.4	6.9	6.4	6.4	6.3
	BOD	0.20	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.1	0.2
	TC	130	---	140	140	120	94	--	94	120	84	70	41
River Ravi U/s STP (Barga) Chamba 3873	pH	7.91	7.83	7.89	7.67	7.87	8.1	8.02	7.74	7.79	7.91	7.74	6.78
	DO	8.60	8.5	8.2	7.5	8.0	8.3	8.2	8.8	8.7	8.7	8.7	8.6
	BOD	0.10	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	110	79	79	--	140	--	70	--	79	46	70	32
River Ravi D/s STP (Bhagot) Chamba 3874	pH	7.82	7.98	7.38	7.72	7.99	7.97	7.92	7.82	7.82	7.82	7.79	7.81
	DO	8.40	8.4	8.2	7.4	7.9	8.2	8.4	8.6	8.6	8.6	8.7	8.2
	BOD	0.40	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	180	170	120	--	180	--	63	--	84	48	63	40
Mol Khad U/s Palampur (4025)	pH	7.21	7.25	7.2	7.13	7.99	8.05	8.01	7.77	7.79	7.75	7.71	7.74
	DO	8.4	8.6	8.6	8.4	8.3	8.6	8.6	8.5	8.5	8.5	7.4	8.1
	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	70	110	70	--	70	70.0	70	41	46	34	31	26
Mol Khad D/s Palampur (4026)	pH	7.1	7.36	7.73	7.22	7.71	8.09	8.05	7.73	7.84	7.82	7.78	7.79
	DO	8.1	8.3	8.3	8.2	8.1	8.4	8.4	8.3	8.3	8.4	7.2	8.4
	BOD	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	79	---	84	--	79	63.0	84	46	70	39	33	32
Sahu Nallah D/s of Bhuri Singh SHEP	pH	7.79	7.87	7.95	7.86	7.94	8.02	7.74	7.71	7.78	7.99	7.65	7.25
	DO	8.6	8.6	8.2	8.4	8.0	8.6	8.4	8.7	9.0	9.0	8.5	8.8
	BOD	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	46	94	94	--	47	--	63	--	79	40	47	33
	pH	7.65	7.43	7.86	7.88	7.84	8.07	7.8	7.68	7.84	7.93	7.76	7.17
	DO	8.6	8.6	8.2	8.4	8.0	8.6	8.2	8.7	9.0	8.9	8.5	8.8

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Sahu Nallah U/s of Bhuri Singh SHEP	<b>BOD</b>	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	46	110	63	--	40	--	34	--	46	33	41	31
Manjhi Khad U/s Dharamshala at Khaniara4023	<b>pH</b>	7.29	7.58	7.43	8	8.12	8.01	8.11	7.69	7.63	8.04	7.99	7.76
	<b>DO</b>	8.2	8.7	8.7	8.9	8.9	8.6	8.2	10.0	8.8	8.9	9.0	9.1
	<b>BOD</b>	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	79	---	70	63	70	49	--	40	46	47	27	27
Manjhi Khad D/s Dharamshala at Chetru 4024	<b>pH</b>	7.32	7.76	7.54	8.05	8.06	8.03	8.14	7.78	7.08	8.09	8.01	7.79
	<b>DO</b>	8.3	8.4	8.4	8.3	8.3	8.3	8.2	12.0	8.2	8.3	8.7	8.4
	<b>BOD</b>	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	94	---	110	46	84	46	--	58	49	34	33	35
Swan River B/C of Garni Khad	<b>pH</b>	7.68	7.71	7.42	8.15	8.06	7.15	8.13	8.01	7.93	7.89	7.99	8.06
	<b>DO</b>	6.2	6.1	6.0	6.1	7.8	7.3	6.6	5.6	7.2	6.7	6.5	6.4
	<b>BOD</b>	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	110	---	79	70	110	110	--	70	79	70	46	34
	<b>TC</b>	140	---	94	120	150	46.0	--	79	110	79	63	39
Baner Khad U/s Chamunda Temple 4457	<b>pH</b>	7.54	---	---	---	---	---	7.91	---	---	7.63	7.46	7.83
	<b>DO</b>	8.30	---	---	---	---	---	7.80	---	---	7.10	6.90	8.30
	<b>BOD</b>	0.20	---	---	---	---	---	0.10	---	---	0.10	0.10	0.10
	<b>TC</b>	63	---	---	---	---	---	33	---	---	40	26	27
Baner Khad D/s Chamunda Temple 4458	<b>pH</b>	7.23	---	---	---	---	---	8.07	---	---	7.65	7.54	7.90
	<b>DO</b>	8.1	---	---	---	---	---	7.5	---	---	7.0	6.8	7.9
	<b>BOD</b>	0.30	---	---	---	---	---	0.20	---	---	0.10	0.10	0.10
	<b>TC</b>	70	---	---	---	---	---	70	---	---	46	22	34
River Gaj Water Supply Scheme D/sala Town Near	<b>pH</b>	---	---	---	---	---	---	---	---	---	8.14	7.89	7.69
	<b>DO</b>	---	---	---	---	---	---	---	---	---	7.8	8.8	9.1

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Dharamshala Cantt. 4469	BOD	---	---	---	---	---	---	---	---	---	0.10	0.10	0.10
	TC	---	---	---	---	---	---	---	---	---	33	21	31
River Bather Water Supply Scheme D/sala Town Near Dal Lake 4470	pH	---	---	---	---	---	---	---	---	---	8.09	7.96	7.74
	DO	---	---	---	---	---	---	---	---	---	7.6	8.9	9.0
	BOD	---	---	---	---	---	---	---	---	---	0.10	0.10	0.10
	TC	---	---	---	---	---	---	---	---	---	31	25	34
Charan Khad U/s Bhagsunag 4460	pH	7.32	---	---	---	---	---	---	---	---	8.07	7.84	7.81
	DO	8.20	---	---	---	---	---	---	---	---	7.8	9.1	8.9
	BOD	0.20	---	---	---	---	---	---	---	---	0.1	0.1	0.1
	TC	---	---	---	---	---	---	---	---	---	32	22	26
Swan River D/s of Una at Rampur Bridge (4433)	pH	---	---	---	8.06	8.12	7.34	7.93	8.06	8.11	7.93	7.68	7.99
	DO	---	---	---	6.2	7.9	7.3	6.7	5.8	7.8	6.1	6.6	6.3
	BOD	---	---	---	0.3	0.3	0.5	0.1	0.1	0.3	0.2	0.2	0.1
	TC	---	---	---	130	130	94	--	94	94	94	58	34
Dhauri Khad at Charan Ganga Mairi (4432)	pH	---	---	---	---	---	---	---	---	---	---	7.83	7.94
	DO	---	---	---	---	---	---	---	---	---	---	6.9	6.6
	BOD	---	---	---	---	---	---	---	---	---	---	0.1	0.1
	TC	---	---	---	---	---	---	---	---	---	---	47	32
Jarangla Nallah	pH	---	---	---	---	---	---	---	---	7.75	8.01	7.88	7.87
	DO	---	---	---	---	---	---	---	---	9	9.1	8.9	9.1
	BOD	---	---	---	---	---	---	---	---	0.1	0.1	0.1	0.1
	TC	---	---	---	---	---	---	---	---	46	38	38	27
Jarangla Nallah U/s IPH Water Supply	pH	---	---	---	---	---	---	---	---	7.64	---	7.8	7.48
	DO	---	---	---	---	---	---	---	---	9.1	---	8.9	9.1
	BOD	---	---	---	---	---	---	---	---	0.1	---	0.1	0.1
	TC	---	---	---	---	---	---	---	---	46	---	32	27

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Kulin Nallah U/s IPH Water Supply Scheme	pH	---	---	---	---	---	---	---	---	---	8.04	7.93	6.96
	DO	---	---	---	---	---	---	---	---	---	9.2	9.1	9.1
	BOD	---	---	---	---	---	---	---	---	---	0.1	0.1	0.1
	TC	---	---	---	---	---	---	---	---	---	40	46	31
Hathli Nallah Lift Water Supply Scheme for MC Hamirpur (4481)	pH	---	---	---	8.28	7.82	7.19	8.05	7.94	7.94	7.96	8.02	8.08
	DO	---	---	---	7.7	8.1	7.7	7.5	7.9	7.5	7.8	7.7	7.9
	BOD	---	---	---	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	---	---	---	---	40	---	---	---	46	---	39	31
Lift Waterm Supply Scheme (Panjarar) and Bhota, Ropri & Ujhan (4482)	pH	---	---	---	8.2	8.04	8.2	8.18	8.29	7.87	7.93	7.89	7.77
	DO	---	---	---	7.8	8.2	7.8	7.05	7.8	7.4	7.9	7.8	7.8
	BOD	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	---	---	---	---	38	---	---	---	43	---	47	31
River Beas D/s Nadoun Town after Confluence of Maan Khad	pH	---	---	---	7.58	8.02	7.88	7.2	7.94	7.34	8.28	7.79	8.05
	DO	---	---	---	8.3	8.4	7.8	8.2	8.3	8.2	8.4	7.8	8.1
	BOD	---	---	---	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	---	---	---	---	130	---	---	---	79	---	58	33
River Beas U/s Nadaun Town (4437)	pH	---	---	---	8	8.14	8.11	7.7	8.17	7.83	7.89	7.84	8.03
	DO	---	---	---	8.3	8.3	7.8	8.3	8.1	8.1	8.2	8.3	8.2
	BOD	---	---	---	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	---	---	---	---	120	---	---	---	70	---	40	40
River Beas D/s Sujampur Tihra (4436)	pH	---	---	---	8.2	8.09	8.05	8.11	8.18	8.02	7.87	7.81	8.04
	DO	---	---	---	8.4	8.3	7.9	8.5	8.3	8.4	8.5	8.3	8.2
	BOD	---	---	---	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1
	TC	---	---	---	---	94	---	---	---	94	---	48	41
	pH	---	---	---	8.09	8.11	8.01	7.78	8.13	7.82	7.79	7.88	8.01

Name of location	Parameters	April-19	May-19	June-19	July-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
River Beas U/s Sujanpur Tihra (4435)	<b>DO</b>	---	---	---	8.4	8.4	7.8	8.6	8.3	8.5	8.6	8.2	8.2
	<b>BOD</b>	---	---	---	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>TC</b>	---	---	---	---	79	---	---	---	79	---	40	40
River Neugal (Water Supply Scheme Palampur Town) Bandla, Palampur (4471)	<b>pH</b>	---	---	---	---	---	---	---	---	---	7.63	---	7.87
	<b>DO</b>	---	---	---	---	---	---	---	---	---	6.9	---	9.1
	<b>BOD</b>	---	---	---	---	---	---	---	---	---	0.1	---	0.1
	<b>TC</b>	---	---	---	---	---	---	---	---	---	33	---	31

## Results of Wells under MINARS Points for April & October- 2019

Name of location	Parameters	April 2019	October 2019
Hand Pump at Shimla Town	pH	8.41	8.33
	BOD	0.1	0.2
	T.C.	<1.8	<1.8
Hand Pump at Reckong Peo	pH	7.94	**
	BOD	0.1	**
	T.C.	<1.8	**
Hand Pump at Rampur	pH	**	8.15
	BOD	**	0.2
	T.C.	**	<1.8
Well at Residential Area Kala Amb	pH	8.12	7.47
	BOD	0.2	0.2
	TC	<1.8	<1.8
Well at Residential Area Paonta Sahib	pH	7.86	7.50
	BOD	0.1	0.1
	TC	<1.8	<1.8
Well at Industrial Area Kala Amb	pH	7.88	7.85
	BOD	0.3	0.2
	TC	<1.8	<1.8
Well at Industrial Area Paonta Sahib	pH	7.93	7.33
	BOD	0.2	0.1
	TC	<1.8	<1.8
Hand Pump at Nahan	pH	7.98	7.04
	BOD	0.1	0.3

Name of location	Parameters	April 2019	October 2019
Hand Pump at Kala Amb	TC	<1.8	<1.8
	pH	7.76	7.43
	BOD	0.2	0.2
	TC	<1.8	<1.8
Well at Barotiwala	pH	8.32	7.54
	BOD	0.2	0.10
	TC	<1.1	<1.8
Well at Nalagarh	pH	8.16	-
	BOD	0.1	-
	TC	<1.1	-
Well Baddi I.A.	pH	7.16	8.14
	BOD	0.1	0.1
	TC	<1.1	<1.8
Well Barotiwala I.A.	pH	7.16	-
	BOD	0.1	-
	TC	<1.1	-
Well Nalagarh I.A.	pH	6.82	-
	BOD	0.1	-
	TC	<1.1	-

## Results of State Water Quality Monitoring Points from April 2019 to Jan 2020

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
R. Pabbar D/s Chirgaon	pH	7.74	7.80	7.91	**
	D.O	10.0	8.0	7.9	**
	BOD	0.4	0.5	0.5	**
	T.C.	280	94	63	**
R. Pabbar D/s Hatkoti	pH	7.79	8.01	7.72	**
	D.O	8.7	7.1	7.3	**
	BOD	0.4	0.7	0.4	**
	T.C.	430	350	280	**
R Pabbar D/s Rohroo	pH	7.69	8.02	7.88	**
	D.O	9.2	7.5	7.5	**
	BOD	0.4	0.9	0.6	**
	T.C.	170	220	130	**
Lift Nala D/s Hotel Combermere	pH	7.89	8.09	8.11	**
	D.O	8.1	6.5	6.5	**
	BOD	6.6	8.0	7.2	**
	T.C.	>1600	>1600	>1600	**
Lift Nala U/s Bridge at By pass near MSW Processing site	pH	8.13	8.32	7.98	**
	D.O	8.0	6.5	6.0	**
	BOD	4.8	4.8	12.0	**
	T.C.	>1600	>1600	>1600	**
Ground Water at Totu	pH	8.21	7.77	8.06	**
	D.O	**	**	**	**
	BOD	0.1	0.1	0.1	**

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	T.C.	<1.8	<1.8	<1.8	**
River Satluj D/s Confluence with River Tidong	pH	7.67	8.56	**	**
	D.O	8.8	9.3	**	**
	BOD	0.3	0.4	**	**
	T.C.	140	140	**	**
R Tidong before conf. with R. Satluj	pH	7.64	7.96	8.16	7.47
	D.O	9.7	9.3	9.0	9.5
	BOD	0.4	0.5	0.4	0.3
	T.C.	120	120	130	110
R Satluj U/s conf. with R. Tidong	pH	7.51	8.53	**	**
	D.O	8.7	9.3	**	**
	BOD	0.7	0.3	**	**
	T.C.	150	140	**	**
River Baspa D/s reservoir Baspa HEP at Kuppa	pH	7.17	8.61	8.18	7.58
	D.O	9.6	9.8	9.5	9.3
	BOD	0.4	0.5	0.3	0.5
	T.C.	46	220	38	79
R. Baspa at Baspa Project	pH	7.69	8.74	8.01	7.70
	D.O	9.6	9.8	9.6	9.3
	BOD	0.3	0.4	0.3	0.6
	T.C.	94	140	39	84
	pH	7.63	8.64	7.95	7.53

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
RiverSatluj D/s NJPC Dam at Nathpa	D.O	8.5	9.3	8.7	8.9
	BOD	0.7	0.6	0.4	0.3
	T.C.	170	130	70	170
R Sorang U/s (before conf ) R . Satluj	pH	7.43	7.88	8.01	7.94
	D.O	9.0	9.9	9.4	9.2
	BOD	0.3	0.7	0.5	0.3
	T.C.	94	70	84	110
R. Satluj U/s Conf with Sorang Khad	pH	7.79	8.64	8.00	7.34
	D.O	8.8	9.3	8.8	8.4
	BOD	0.7	0.6	0.4	0.4
	T.C.	120	140	130	130
R. Satluj D/s Conf with Sorang Khad	pH	7.63	8.62	8.11	7.53
	D.O	8.9	9.3	8.7	8.5
	BOD	0.3	0.5	0.4	0.3
	T.C.	140	120	120	150
Ganvi Khud before Conf. With R. Satluj	pH	7.71	8.59	8.16	7.60
	D.O	9.1	9.8	9.4	9.5
	BOD	0.3	0.5	0.5	0.3
	T.C.	170	84	84	76
R. Satluj D/s Conf with Ganvi	pH	7.63	8.63	**	**
	D.O	8.6	9.2	**	**
	BOD	0.5	0.9	**	**
	T.C.	280	94	**	**
R. Satluj U/s Conf with Ganvi Khad	pH	7.54	8.61	**	**
	D.O	8.7	9.2	**	**

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	BOD	0.7	0.6	**	**
	T.C.	140	48	**	**
R Satluj U/s TRT of NJPC	pH	7.88	8.62	8.06	7.38
	D.O	8.7	9.3	8.7	8.6
	BOD	0.6	0.7	0.4	0.5
	T.C.	210	63	220	170
R Satluj D/s TRT of NJPC	pH	7.83	8.63	8.09	7.64
	D.O	8.7	9.3	8.5	8.6
	BOD	0.5	0.9	0.5	0.6
	T.C.	110	110	84	220
R Satluj U/s landfill site of Rampur	pH	7.78	8.60	**	**
	DO	8.4	9.2	**	**
	BOD	0.9	1.1	**	**
	TC	350	170	**	**
R Satluj D/s landfill site of Rampur	pH	7.73	8.59	**	**
	DO	8.5	9.2	**	**
	BOD	1.0	1.2	**	**
	TC	280	350	**	**
River Satluj D/s Dutt nagar D/s envisaged conf. of TRT of RHEP	pH	7.44	8.62	7.75	7.47
	DO	8.5	9.3	8.4	8.4
	BOD	0.3	0.9	0.6	0.7
	TC	40	540	430	350
D/s ACC Bar, Satluj River	pH	8.02	7.94	8.5	8.44

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	DO	10.6	9.8	8.9	8.7
	BOD	0.1	0.2	0.2	0.1
	TC	280	280	280	220
<b>R. Suketi U/s of conf. of dragger outfall of SNR Balancing reservoir</b>	pH	7.92	7.22	8.15	8.27
	DO	8.3	8.9	8.2	8.2
	BOD	0.2	0.2	0.1	0.1
	TC	220	170	110	94
<b>River Suketi at Dadour bridge</b>	pH	8.31	6.44	8.44	8.09
	DO	7	6.7	7	7.6
	BOD	0.6	0.4	0.3	0.1
	TC	>1600	210	350	350
<b>U/s Mandi, Suketi Khudd</b>	pH	8.42	6.78	8.35	8.23
	DO	7.7	7.1	7.7	8.4
	BOD	0.4	0.3	0.1	0.2
	TC	540	350	350	280
<b>U/s Darang, Salt Mine</b>	pH	8.57	8.02	8.28	8.74
	DO	7.5	7.1	7.8	8.9
	BOD	0.1	0.2	0.1	0.1
	TC	120	150	94	110
<b>D/s Darang, Salt Mine</b>	pH	8.52	8.02	8.35	8.7
	DO	7.2	6.5	7.8	8.7
	BOD	0.1	0.1	0.1	0.1
	TC	140	150	70	110
<b>River Beas, U/s of conf. of envisaged TRT of UHL-III</b>	pH	7.89	7.27	8.27	8.07
	DO	9.1	8.9	9.2	9.9

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	BOD	0.1	0.1	0.1	0.1
	TC	240	170	230	210
River Beas, D/s of conf. of envisaged TRT of UHL-III	pH	7.74	7.06	8.11	8.04
	DO	8.9	9.1	9.3	9.7
	BOD	0.1	0.1	0.1	0.1
	TC	280	210	170	220
R.Beas, D/s of conf.of TRT of Largi HEP power house.	pH	7.29	7.63	7.79	8.02
	DO	11	9	8.1	8.8
	BOD	0.2	0.1	0.1	0.2
	TC	220	350	140	210
River Beas, U/s Fermenta Biodil.	pH	7.69	7.73	7.64	7.85
	DO	11.2	9.1	7.8	9.2
	BOD	0.1	0.1	0.1	0.1
	TC	240	280	280	140
River Beas, D/s Fermenta Biodil.	pH	7.63	7.42	7.84	8.12
	DO	11.1	9.3	8.2	9.1
	BOD	0.6	0.2	0.2	0.1
	TC	350	430	280	120
R. Parvati U/s of Dam site of Parvati-II at Pulga	pH	7.48	7.74	8.5	--
	DO	11.2	9	9.3	--
	BOD	0.1	0.1	0.1	--
	TC	130	110	110	--
R. Parvati D/s of Dam site of Parvati-II at Pulga	pH	7.22	7.54	7.4	--
	DO	11	8.9	9.2	--
	BOD	0.1	0.1	0.1	--

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	TC	150	140	110	--
R.Beas, U/s Waste processing facility, Manali.	pH	7.62	7.02	7.68	7.8
	DO	10.3	8.5	8.6	8.6
	BOD	0.2	2	0.1	0.2
	TC	210	540	280	350
R.Beas, D/s Waste processing facility, Manali.	pH	7.49	--	--	--
	DO	10.2	--	--	--
	BOD	0.5	--	--	--
	TC	540	--	--	--
R.Beas, D/s of confluence with Allaign Nalla.	pH	7.87	7.06	7.74	7.92
	DO	10.3	8.5	8.6	8.6
	BOD	0.1	0.2	0.1	0.1
	TC	240	220	220	350
Allaign Nalla before confluence with R.Beas	pH	7.84	7.42	7.46	7.82
	DO	8.8	9.1	9.2	9.2
	BOD	0.1	0.1	0.1	0.1
	TC	140	150	94	70
R.Beas, D/s confluence with Duhangan Nalla.	pH	8.12	7.22	8.41	7.68
	DO	10.3	8.4	8.5	8.5
	BOD	0.1	0.1	0.1	0.1
	TC	280	240	33	240
Duhangan Nalla before confluence with R.Beas	pH	7.76	6.95	7.39	7.72
	DO	8.8	9	9.1	9.1
	BOD	0.1	0.1	0.1	0.1
	TC	170	140	140	94

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
R.Beas, U/s of confluence of R.Parvati	pH	7.55	7.17	7.68	7.89
	DO	10.4	9.0	8.7	9.7
	BOD	0.1	0.1	0.1	0.1
	TC	170	150	240	540
R.Beas, D/s of confluence of R.Parvati	pH	7.48	6.74	7.71	7.8
	DO	10.4	8.8	8.5	9.7
	BOD	0.1	0.3	0.1	0.1
	TC	210	280	220	920
R.Beas, U/s Waste processing facility Kullu.	pH	7.66	6.83	7.6	7.82
	DO	10.6	9.0	8.7	8.8
	BOD	0.1	2.0	0.2	0.1
	TC	350	430	280	280
R.Beas, D/s Waste processing facility Kullu.	pH	7.71	--	--	--
	DO	10.3	--	--	--
	BOD	0.2	--	--	--
	TC	540	--	--	--
R.Sainj, U/s envisaged power house site of Parvati-II.	pH	7.97	7.57	8.12	8.03
	DO	11.2	8.1	7.9	9.3
	BOD	0.1	0.1	0.1	0.1
	TC	220	170	170	110
R.Sainj, D/s envisaged power house site of Parvati-II.	pH	7.9	7.46	7.77	8.06
	DO	11.2	8.4	8.4	9.2
	BOD	0.1	0.2	0.1	0.2
	TC	280	210	170	140
	pH	7.91	8.07	8.18	7.86

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
R.Sainj, U/s envisaged power house site of Parvati - III.	DO	11.1	7.7	7.8	9
	BOD	0.1	0.1	0.1	0.1
	TC	220	210	170	94
R.Sainj, D/s envisaged power house site of Parvati - III.	pH	7.93	8.02	8.05	8.05
	DO	11.1	7.6	7.7	8.9
	BOD	0.2	0.2	0.1	0.2
	TC	240	280	220	110
River Yamuna U/S of landfill site Paonta Sahib	pH	8.18	7.74	7.71	7.64
	DO	8.5	6.6	7.5	7.9
	BOD	0.4	0.5	0.5	0.5
	TC	40.0	40.0	40.0	40.0
River Yamuna D/S of landfill site Paonta Sahib	pH	8.22	7.79	7.73	7.35
	DO	8.3	6.6	7.6	8.0
	BOD	0.7	0.7	0.5	0.7
	TC	46.0	43.0	46.0	43.0
River Yamuna U/S of Ranbaxy Paonta Sahib	pH	8.16	---	---	---
	DO	8.3	---	---	---
	BOD	0.5	---	---	---
	TC	41.0	---	---	---
River Yamuna D/S of Ranbaxy Paonta Sahib	pH	8.20	---	---	---
	DO	8.7	---	---	---
	BOD	0.6	---	---	---
	TC	43.0	---	---	---
	pH	8.16	7.76	7.73	7.62
	DO	7.5	6.5	8.6	9.0

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
River Markanda U/S of Markanda Bridge Kala Amb	BOD	0.8	0.7	0.7	0.7
	TC	70.0	46.0	48.0	43.0
River Markanda U/S of Jattanwala Nallah	pH	8.2	7.88	7.98	6.99
	DO	11.0	6.5	8.6	8.8
	BOD	0.8	0.8	0.9	0.9
	TC	94.0	79.0	49.0	47.0
Jattanwala Nallah	pH	7.76	7.24	7.92	7.51
	DO	0.3	Nil	0.5	1.0
	BOD	27.0	45.0	32.0	90.0
	TC	184000.0	180000.0	35000.0	160000.0
River Markanda D/S of Jattanwala Nallah	pH	<b>Source Dried</b>	<b>Source Dried</b>	7.40	7.32
	DO			7.5	6.0
	BOD			2.0	12.0
	TC			350.0	80000.0
River Sirsa D/S Sitomajri Nallah	pH	6.63	7.88	7.66	7.71
	DO	8.4	8.5	6	8.0
	BOD	2.6	2.6	1.8	2.0
	TC	41	31	170	58
River Bald U/s Land fill site Baddi	pH	7.07	7.88	7.26	7.3
	DO	6.7	6.5	5.8	8.1
	BOD	16.0	2.0	0.9	1.8
	TC	280	41.0	40	94
Sandholi Nallaha	pH	7.15	5.81	7.05	7.56
	DO	1	2.5	2.2	2
	BOD	210	20	1.2	72

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	TC	>1600	540	210	540
River Sirsa D/s Sandholi Nallah	pH	7.76	7.5	7.3	7.03
	DO	7.2	6.9	5.4	6.0
	BOD	18	7.5	3.4	24
	TC	220	280	84	350
River Sirsa U/s H. Board Nallah	pH	7.71	7.57	7.63	7.8
	DO	7.0	7.2	7	4.5
	BOD	4.4	2.6	3.2	3.4
	TC	430	46	70	70
Housing Board Nallah	pH	6.88	2.69	7.57	7.63
	DO	1.4	2.5	2.1	4.2
	BOD	540	26.0	4.2	58
	TC	>1600	>1600	110	540
River Sirsa U/S River Ratta	pH	7.77	7.69	7.4	7.01
	DO	5.5	7.2	5.2	7.3
	BOD	11.0	2.2	2.8	1.8
	TC	49	70.0	47	150
U/s TSDf site at Majra (Well)	pH	7.35	7.06	8.12	-
	DO	-	-	-	-
	BOD	0.1	0.1	0.1	-
	TC	<1.1	1.8	<1.8	-
D/s TSDf site at Majra (Well)	pH	8.29	7.05	8.19	-
	DO	-	-	-	-
	BOD	0.1	0.1	0.2	-
	TC	<1.1	<1.8	10	-

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
Gullerwala Nallah	pH	7.24	7.23	7.29	7.01
	DO	-	5.2	4.4	2.5
	BOD	0.1	4.2	4.4	40.0
	TC	<1.1	6.1	120	920.0
Manpura Nallah	pH	7.49	7.07	7.21	7.23
	DO	4.2	5.8	3.2	4.0
	BOD	10.2	5.2	4.8	4.8
	TC	170	210.0	84	220
River Sirsa D/sManpura Nallah	pH	8.26	7.22	7.57	7.35
	DO	6.1	7.4	5.4	6.6
	BOD	4.8	4.8	4.2	2.4
	TC	130	140	79	210
River Sirsa U/sManpura Nallah	pH	7.81	7.12	7.37	7.49
	DO	5.9	7.6	4.8	7.0
	BOD	3.2	3.6	2.6	2.2
	TC	130	120	38	170
River Sirsa U/S Khera Nallah	pH	7.7	7.29	7.95	7.19
	DO	5.9	7.2	5.6	7.5
	BOD	6.2	5.2	0.4	0.4
	TC	170	170.0	32	70.0
River Sirsa D/S Khera Nallah	pH	7.59	7.29	7.54	7.38
	DO	6.4	6.9	5.7	7.9
	BOD	12.4	5.5	1.8	1.2
	TC	540	210	40	140.0
Khera Nallaha	pH	-	7.79	8.2	7.72

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	DO	-	6.4	2.5	9.5
	BOD	-	7.2	4	2.1
	TC	-	280	21	110
<b>Kaushlya River U/s Parwanoo Town</b>	pH	7.07	8.1	8.16	8.44
	DO	8.4	8.5	6.6	8.1
	BOD	0.8	1.8	1	0.2
	TC	21	21.0	58	17.0
<b>Kaushlya River D/s Intake Channel of WSS Parwanoo Town</b>	pH	7.23	8.2	8.36	8.45
	DO	8	8.5	6.5	8.3
	BOD	1.0	2.2	0.8	0.4
	TC	22	26.0	70	27
<b>Masulkhana Nallah U/S Morepen Lab</b>	pH	7.33	7.93	7.61	7.67
	DO	6.4	7.9	6.6	6.7
	BOD	0.5	0.8	0.2	0.4
	TC	21	21.0	22	17.0
<b>Masulkhana Nallah D/S Morepen Lab</b>	pH	7.15	7.82	7.38	7.8
	DO	6.2	7.5	6.5	6.6
	BOD	1.8	2.8	0.3	1.2
	TC	26	41.0	26	27.0
<b>Nallah Near Ambota Shivloti Temple</b>	pH	7.32	7.45	7.94	7.73
	DO	7.8	7.2	7.2	6.6
	BOD	0.6	0.3	0.1	0.1
	TC	2	17	6.1	<1.8
<b>Samtel nallah before conf with sukhna nallah</b>	pH	5.01	7.67	7.46	6.32
	DO	4	4.0	2.5	4.3

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	BOD	1650	4.8	0.6	1.8
	TC	>1600	84	48	140.0
Sec-4 nallah before confluencing with sukhna nallah at sec 5	pH	7.10	7.53	7.8	7.03
	DO	3.8	4.1	3.0	4.0
	BOD	120	5.0	1.0	1.2
	TC	>1600	79	38	110.0
U/S SWM site at Sec-5 Parwanoo	pH	-	-	7.83	7.24
	DO	-	-	5.5	5.6
	BOD	-	-	0.2	0.8
	TC	-	-	33	21.0
D/S SWM site at Sec-5 Parwanoo	pH	-	-	7.29	7.31
	DO	-	-	3.5	5.4
	BOD	-	-	0.6	1.1
	TC	-	-	38	21.0
River Ravi U/S Land Fill Site Chamba	pH	7.63	7.43	7.95	7.93
	DO	8.60	8.00	8.3	8.8
	BOD	0.20	0.10	0.1	0.1
	TC	79.00	---	46	47
River Ravi D/S Land Fill Site Chamba	pH	7.95	7.5	7.89	8.01
	DO	8.50	7.4	8.2	8.9
	BOD	0.30	0.1	0.1	0.1
	TC	140.00	---	49	58
River Ravi before conf. with River Baira	pH	7.31	7.81	8.06	7.81
	DO	8.50	8	9	9.3
	BOD	0.30	0.1	0.1	0.1

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	TC	140.00	--	70	33
<b>Bhiral Khad D/S STP Palampur</b>	pH	7.69	7.68	7.79	7.67
	DO	7.90	7.8	7.8	7.8
	BOD	0.20	0.1	0.1	0.1
	TC	110	--	110	48
<b>Bhiral Khad U/S STP Palampur</b>	pH	7.42	7.15	7.98	7.7
	DO	8.30	8.2	8.2	8.1
	BOD	0.20	0.1	0.1	0.1
	TC	94	--	94	47
<b>River Ravi after conf. with Baira River</b>	pH	7.43	7.76	8.08	7.9
	DO	8.50	8.1	9.2	9.5
	BOD	0.40	0.1	0.1	0.1
	TC	170.00	--	110	34
<b>River Ravi D/S Dam of Chamera-I HEP</b>	pH	7.33	8.13	7.89	7.98
	DO	8.70	8.2	9.3	--
	BOD	0.10	0.1	0.1	0.1
	TC	94.00	--	63	40
<b>River Ravi D/S TRT Power House -I HEP</b>	pH	7.54	8.24	7.96	7.76
	DO	8.70	8.1	9.3	9.5
	BOD	0.20	0.1	0.1	0.1
	TC	84.00	--	120	41
<b>Chouch Khad D/s Ind. Area Bain Attarian</b>	pH	7.95	7.51	7.96	7.93
	DO	6.2	6.5	6.2	4.5
	BOD	0.5	0.1	0.2	0.1
	TC	84	70	79	47

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
Chounch Khad U/s Ind. Area Bain Attarian	pH	7.83	---	8.09	7.71
	DO	7.5	---	7.5	5
	BOD	0.1	---	0.1	0.1
	TC	70	---	63	41
River Satluj U/S Bhakhra	pH	7.64	8.3	---	7.7
	DO	7.10	7.2	---	8.1
	BOD	0.20	0.1	---	0.1
	TC	79.00	94	---	79
River Swan U/S MSW landfill Santokhgarh	pH	7.63	8.10	7.89	7.9
	DO	6.50	6.40	6.2	6.1
	BOD	0.30	0.10	0.1	0.1
	TC	79.00	94.00	---	70
River Swan D/S MSW land fill Santokhgarh	pH	7.93	8.03	8.01	7.81
	DO	6.10	6.0	7.1	6.4
	BOD	0.50	0.1	0.1	0.2
	TC	94.00	110	--	84
River Baira U/S of Dam on Baira siul HEP	pH	7.64	8.13	7.21	7.64
	DO	8.60	8.3	9.6	9.2
	BOD	0.10	0.1	0.1	0.1
	TC	94.00	--	--	40
River Baira D/S Dam on Bairasiul HEP	pH	7.28	8.1	7.41	7.98
	DO	8.70	8.1	9.7	9.2
	BOD	0.20	0.1	0.1	0.1
	TC	84.00	--	--	48
	pH	7.59	7.96	7.99	7.84

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
River Siul U/S Dam of Siul for BSHEP	DO	8.80	8.1	9.5	9.1
	BOD	0.40	0.1	0.1	0.1
	TC	110.00	---	79	39
River Siul D/S Dam of Siul for BSHEP	pH	7.82	8.03	8.06	7.93
	DO	8.70	8	9.4	9.2
	BOD	0.50	0.1	0.1	0.1
	TC	94.00	---	70	48
Baled Khad U/S of Dam on Baled for BSHEP	pH	7.12	8.17	7.36	7.71
	DO	8.80	8.3	7.5	8.1
	BOD	0.20	0.1	0.1	0.1
	TC	70.00	---	---	33
Bhaled Khad D/S Dam on Baled for BSHEP	pH	7.73	8.15	7.2	7.8
	DO	8.80	8.3	10	8.1
	BOD	0.30	0.1	0.1	0.1
	TC	79.00	---	---	39
River Baira before conf. of TRT of BSHEP	pH	7.56	7.98	8.08	7.79
	DO	8.70	8.2	9.4	9.2
	BOD	0.10	0.1	0.1	0.1
	TC	79.00	---	63	40
River Baira after conf. of TRT of BSHEP	pH	7.69	8.04	---	7.81
	DO	8.70	8.1	---	9.2
	BOD	0.40	0.1	---	0.1
	TC	120.00	---	---	58
River Ravi U/S Chamera - II	pH	7.88	---	8	7.68
	DO	8.70	---	9.4	9.1

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	BOD	0.20	---	0.1	0.1
	TC	110.00	---	33	41
River Ravi D/S Chamera - II	pH	7.25	7.58	7.85	7.9
	DO	8.70	8.5	9.3	8.8
	BOD	0.10	0.1	0.1	0.1
	TC	46.00	94	31	40
River Ravi U/S of Conf. of Budhil Nallah	pH	7.60	7.72	7.92	7.84
	DO	8.70	8.5	9.5	9.1
	BOD	0.10	0.1	0.1	0.1
	TC	70.00	84	63	41
Budhil Nallah U/S Dam of Budhil HEP	pH	7.86	7.71	7.81	---
	DO	9.50	8.4	9.6	---
	BOD	0.20	0.1	0.1	---
	TC	110.00	63	70	---
Budhil Nallah D/S Dam of Budhil HEP	pH	7.52	7.78	7.88	7.73
	DO	9.50	8.5	9.5	9
	BOD	0.20	0.1	0.1	0.1
	TC	120.00	79	79	47
River Ravi D/S TRT of proposed Budhil HEP	pH	7.89	7.47	8.08	7.97
	DO	8.60	8.4	9.4	9.1
	BOD	0.30	0.1	0.1	0.1
	TC	79.00	70	84	58
River Beas U/S Pong Dam	pH	7.78	7.39	7.8	7.64
	DO	8.90	9.3	8.9	9.2
	BOD	0.20	0.1	0.1	0.1

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
	TC	140	84	79	63
U/S Swan Khad IA Sansarpur Terrace	pH	7.89	7.53	8.01	7.79
	DO	7.2	7.2	7.3	7.1
	BOD	0.4	0.1	0.1	0.1
	TC	94	110	79	84
D/S Swan Khad IA Sansarpur Terrace	pH	7.53	7.93	7.9	7.91
	DO	7.30	7.1	7.2	7
	BOD	0.30	0.3	0.3	0.2
	TC	79.00	120	94	94
Lund Khad U/s STP Jawalamukhi	pH	7.08	7.5	8.01	7.88
	DO	8.90	8.8	8.8	8.7
	BOD	0.60	0.1	0.1	0.2
	TC	110	84	70	47
Lund Khad D/s STP Jawalamukhi	pH	7.31	8	7.82	7.89
	DO	8.70	8.6	8.7	8.6
	BOD	1.40	0.1	0.1	0.3
	TC	180	94	84	48
Baner Khad U/s STP TMC	pH	7.56	7.58	---	7.97
	DO	7.80	8.2	---	8.2
	BOD	0.30	0.1	---	0.1
	TC	140	63	---	---
Baner Khad D/s STP TMC	pH	7.78	7.6	---	7.99
	DO	7.50	8.1	---	8.1
	BOD	0.30	0.1	---	0.1
	TC	94	84	---	---

Name of location	Parameters	Apr-19	Jul-19	Oct-19	Jan-20
Charan Khad U/S STP Dharamshala	pH	7.55	7.46	7.67	7.98
	DO	7.60	7.8	7.8	7.9
	BOD	0.10	0.1	0.1	0.1
	TC	110	70	---	46
Charan Khad D/S STP Dharamshala	pH	7.68	7.42	7.97	8.06
	DO	7.80	7.3	7.8	7.7
	BOD	0.30	0.1	0.1	0.1
	TC	130	94	---	48
Dal Lake Naddi	pH	7.98	7.62	7.28	7.31
	DO	7.90	8.7	7.9	8.6
	BOD	0.40	0.1	0.4	0.1
	TC	180.00	79	---	48