

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

DURING 2017-18

Results of Major Rivers (MINARS) Points from April 2017 to March 2018:

Name of Location	Parameter	Apr 17	May 17	Jun 17	Jul 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jan 18	Feb 18	Mar 18
River Sirsa U/s Sitomajari	pH	8.08	7.92	8.23	7.92	8.03	7.58	7.48	7.39	8.04	7.87	7.72	7.23
	DO	4.4	7	---	4.9	7.0	6	5.2	7.0	6.7	5.2	6.8	7.2
	BOD	3.2	3.4	3.4	2.8	4.2	3.2	2.8	3	2.8	4	2.8	3.2
	TC	24.0	120.0	120.0	25.0	140.0	120.0	25.0	150.0	120.0	40.0	150.0	120.0
River Sirsa D/s Nalagarh Bridge	pH	8.3	7.55	8.42	8.11	8.21	7.93	7.88	7.84	8.08	7.76	7.5	7.54
	DO	3.6	6.6	---	4.1	6.6	6	6.4	6.6	6.2	6.4	5.5	6.9
	BOD	4.2	8	8.0	8	6.4	6.4	4	4.8	4.8	8.0	10.0	10.0
	TC	120.0	140.0	140.0	21.0	150.0	150.0	38.0	210.0	170.0	58.0	210.0	220.0
River Sirsa at D/s Nalagarh Town	pH	8.56	8.27	8.31	7.98	8.19	7.31	7.95	7.49	8.2	8.01	7.5	7.53
	DO	2.9	6.9	---	3.8	6.9	5.5	3.7	6.5	6.1	3.7	5.5	6.1
	BOD	7	12.0	12	10.0	8	10.4	3.6	8	6	7	12	12
	TC	63.0	220.0	220.0	26.0	280.0	210.0	40.0	220.0	220.0	43.0	170.0	210.0
River Sukhna at Parwanoo	pH	---	7.98	---	---	---	7.33	7.12	6.69	7.24	7.59	7.5	7.43
	DO	---	3.1	---	---	---	2.8	3	3.3	2.8	3.5	4	3.5
	BOD	---	8.0	---	---	---	10	8.0	10.0	8	10	12	12
	TC	---	210.0	---	---	---	350.0	70.0	430.0	540.0	94.0	540.0	350.0
Solan D/s od MSW Dumping site	pH	---	8.38	---	---	---	7.96	7.57	6.93	7.57	7.96	8.09	8
	DO	---	8.4	---	---	---	9	8.5	8.0	8.5	9	8.2	8
	BOD	---	0.1	---	---	---	1.8	0.8	2.4	1	2.2	1.8	1
	TC	---	3.6	---	---	---	1.8	3.6	47.0	4.0	<1.8	11.0	12.0
Pubber at U/s Dhambari	pH	8.18	7.78	6.78	7.62	7.52	6.9	7.54	6.97	7.3	8.11	7.85	7.65
	DO	8.8	8.7	8.6	8.7	8.3	9.8	8.6	8.3	8.0	8.2	7.85	8.8
	BOD	1.2	0.4	2.4	3.2	2.4	2	0.5	1	1	0.5	2.8	2.8
	TC	21.0	26.0	39.0	15.0	34.0	38.0	6.1	15.0	14.0	6.1	17.0	17.0
Pubber at U/s Rohroo	pH	7.93	7.12	7.06	7.8	7.33	6.96	7.41	7.14	7.46	7.97	7.65	7.59
	DO	8.6	8.7	8.5	8.3	8.4	8.5	8.8	8.4	8.3	7.8	8.7	9.3
	BOD	0.8	0.8	2.8	3.6	2.8	3.2	1.2	2.2	1.8	1.2	2.8	2.8
	TC	25.0	22.0	21.0	12.0	25.0	21.0	8.2	12.0	12.0	8.2	21.0	21.0
Pubber at D/s Swarakhudu	pH	7.44	7.19	7.08	7.3	6.68	7.24	7.29	7.07	7.35	7.72	7.74	7.66
	DO	8.5	8.4	8.8	7.9	9.1	8.2	8.7	9.1	8.7	8.5	7.8	8.2
	BOD	0.4	0.6	1.8	4.0	1.8	1	0.8	0.8	0.8	0.8	1.8	1.8
	TC	14.0	17.0	20.0	32.0	14.0	17.0	5.5	9.8	9.2	4.0	10.0	10.0
River Tons H.P. Boundary	pH	7.38	7.38	6.93	7.35	7.01	6.78	7.24	7.12	7.29	7.82	7.69	7.56
	DO	8.4	8.5	8.9	7.2	9.0	7.9	8.7	9.1	8.8	8.5	7.7	8
	BOD	0.8	0.2	2	1.4	2	0.8	0.8	0.8	0.8	1	2.0	2.8
	TC	24.0	1.8	3.7	10.0	15.0	14.0	6.0	10.0	8.1	6.0	9.3	9.3

Ashwani at U/s Yaswant Nagar	pH	---	8.07	---	---	---	7.82	7.57	6.93	7.3	7.94	7.88	7.91
	DO	---	7.5	---	---	---	7.5	7.8	8.0	7.8	7.5	7.5	7.4
	BOD	---	3.2	---	---	---	3.2	2.8	2.4	2.4	2.8	2.8	2.4
	TC	---	39.0	---	---	---	40.0	17.0	47.0	46.0	21.0	26.0	17.0
Giri at D/s Yaswant Nagar	pH	---	8.11	---	---	---	7.78	7.4	7.15	7.45	8.03	7.97	7.99
	DO	---	7.2	---	---	---	8	7.8	7.5	7.1	8	7.3	7.0
	BOD	---	2.8	---	---	---	2.8	1.8	2.8	2.8	2.0	2.0	2.0
	TC	---	40.0	---	---	---	26.0	14.0	32.0	33.0	17.0	21.0	20.0
Well at Baddi	pH	8.37	---	---	---	---	---	7.25	---	---	---	---	---
	DO	4.5	---	---	---	---	---	---	---	---	---	---	---
	BOD	0.8	---	---	---	---	---	0.2	---	---	---	---	---
	TC	<1.8	---	---	---	---	---	<1.8	---	---	---	---	---
Well at Barotiwala	pH	7.9	---	---	---	---	---	7.34	---	---	---	---	---
	DO	4.3	---	---	---	---	---	---	---	---	---	---	---
	BOD	0.4	---	---	---	---	---	0.2	---	---	---	---	---
	TC	<1.8	---	---	---	---	---	<1.8	---	---	---	---	---
Well at Nalagarh	pH	7.68	---	---	---	---	---	7.27	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	0.8	---	---	---	---	---	0.2	---	---	---	---	---
	TC	<1.8	---	---	---	---	---	<1.8	---	---	---	---	---
Hand Pump Parwanoo I. A.	pH	---	---	---	---	---	---	---	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	---	---	---	---	---	---	---	---	---	---	---	---
	TC	---	---	---	---	---	---	---	---	---	---	---	---
Well Baddi I.A.	pH	8.02	---	---	---	---	---	7.33	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	0.8	---	---	---	---	---	0.2	---	---	---	---	---
	TC	<1.8	---	---	---	---	---	<1.8	---	---	---	---	---
Well Barotiwala I.A.	pH	8.02	---	---	---	---	---	7.29	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	0.4	---	---	---	---	---	0.2	---	---	---	---	---
	TC	<1.8	---	---	---	---	---	<1.8	---	---	---	---	---
Well Nalagarh I.A.	pH	8	---	---	---	---	---	7.62	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	0.8	---	---	---	---	---	0.2	---	---	---	---	---
	TC	<1.8	---	---	---	---	---	<1.8	---	---	---	---	---
Hand Pump at Shimla	pH	8.12	---	---	---	---	---	7.3	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	0.4	---	---	---	---	---	0.1	---	---	---	---	---
	TC	<1.8	---	---	---	---	---	<1.8	---	---	---	---	---
Lift Nallah D/s MSW Processing site Shimla	pH	7.9	6.69	7.87	7.07	6.43	6.82	7.14	7.36	7.18	7.61	7.24	6.8
	DO	3.7	3.3	4.3	5.3	3.5	3.5	4.6	3.5	3.2	4.1	3.5	3.8
	BOD	5	10.0	4	10.0	8	12	8.0	12.0	8	8	12.0	12
	TC	350.0	450.0	920.0	540.0	920.0	540.0	170.0	94.0	120.0	350.0	280.0	280.0

River Satluj D/s TRT Rampur	pH	---	8.09	7.85	8.03	---	---	---	---	7.33	---	---	7.73
	DO	---	8.7	8.8	9.1	---	---	---	---	---	---	---	---
	BOD	---	0.1	0.1	0.5	---	---	---	---	0.2	---	---	0.20
	TC	---	---	---	---	---	---	---	---	---	---	---	---
River Satluj D/sTidong HEP	pH	---	7.74	7.93	---	---	7.68	---	---	7.56	---	---	7.45
	DO	---	9.5	9.3	---	---	---	---	---	---	---	---	---
	BOD	---	0.2	0.1	---	---	0.2	---	---	0.2	---	---	0.20
	TC	---	---	---	---	---	---	---	---	---	---	---	---
River Satluj D/s Power House Kashang HEP	pH	7.9	7.82	7.90	---	---	7.66	7.35	---	7.51	7.18	---	7.12
	DO	9.4	9.4	9.2	8.9	---	---	---	---	---	---	---	---
	BOD	0.1	0.6	0.5	0.1	---	0.5	0.1	---	0.2	0.1	---	0.30
	TC	24.0	---	---	---	---	---	---	---	---	---	---	---
Bhatianya Nallah D/s Sara Textile Nalagrh	pH	---	7.85	8.3	8.03	7.66	7.61	7.6	7.27	8.07	7.84	7.85	7.81
	DO	---	5.9	---	3.8	5.0	1.5	3.1	6.8	3.4	4.8	4.6	4.9
	BOD	---	8.0	10	12.0	12	12	10.0	12.0	10	14	4.0	8
	TC	---	540.0	540.0	540.0	430.0	1600 .0	350.0	1600. 0	1600. 0	70.0	240.0	350. 0
River Giri U/s LWSS Sainj	pH	7.91	7.4	7.45	6.92	7.52	7.18	7.53	7.28	7.25	7.9	7.75	7.28
	DO	9.2	8.0	7.9	7.3	8.1	8.5	8.6	8.1	7.7	8.1	8.2	8.1
	BOD	0.8	2.2	3.6	4.4	3.6	2.2	2.0	2.0	2	2	2.4	2.4
	TC	33.0	20.0	24.0	17.0	24.0	17.0	6.8	21.0	22.0	8.1	24.0	24.0
River Giri D/s LWSS Sainj	pH	8.1	7.22	7.51	6.73	7.12	7.18	7.52	7.36	7.3	7.93	7.81	7.55
	DO	9.2	7.9	7.5	7.4	7.5	8.6	8.6	7.5	7.6	8.2	8.3	8.2
	BOD	1.2	2.8	3.2	6.0	3.2	2.4	2.8	2.4	2.8	2.8	2.4	2.4
	TC	38.0	24.0	25.0	24.0	25.0	24.0	8.3	24.0	26.0	8.3	27.0	27.0
Karacham Dam	pH	8.07	7.83	7.83	7.85	---	7.63	7.16	---	7.54	7.67	---	7.35
	DO	9.3	9.0	8.9	9.5	---	---	---	---	---	---	---	---
	BOD	0.3	0.4	0.2	0.6	---	0.2	0.3	---	0.3	0.3	---	0.2
	TC	17.0	---	---	---	---	---	---	---	---	---	---	---
Surajmukhi nallah U/s WSSS Galyana	pH	---	---	---	---	---	8.07	7.29	7.17	7.64	8.07	8.11	8.02
	DO	---	---	---	---	---	7.5	7	7.5	7.0	7.5	7.2	7.8
	BOD	---	---	---	---	---	4	2.0	2.8	2.4	2.4	2.8	2.4
	TC	---	---	---	---	---	47.0	26.0	47.0	41.0	8.3	27.0	40.0
Giri River t Village Maryaog after Confl. Of R. Giri & Ashwani	pH	---	---	---	---	---	7.98	7.73	7.42	7.58	8.04	7.96	8.04
	DO	---	---	---	---	---	8.1	8.1	7.8	7.5	8.1	7	7.5
	BOD	---	---	---	---	---	2	1.2	2.4	2	2.8	2.4	2.8
	TC	---	---	---	---	---	39.0	24.0	48.0	58.0	25.0	33.0	32.0
Bhatianya Nallah U/s Bhatinya Village Nalagrh	pH	---	---	---	---	---	---	---	6.2	8.16	8.03	8	7.86
	DO	---	---	---	---	---	---	---	5.9	6.1	5.6	6.1	5.3
	BOD	---	---	---	---	---	---	---	22.0	22	12	16.0	14
	TC	---	---	---	---	---	---	---	>160 0	>160 0	94.0	540.0	920. 0
Bhatianya Nallah U/s Sara Textile Nalagarh	pH	---	---	---	7.75	---	---	---	---	---	---	---	---
	DO	---	---	---	4.1	---	---	---	---	---	---	---	---
	BOD	---	---	---	6.0	---	---	---	---	---	---	---	---

	TC	---	---	---	350.0	---	---	---	---	---	---	---	---
River Satluj U/s Tattapani	pH	7.59	7.7	7.9	7.72	7.15	7.91	6.88	7.2	7.66	---	7.78	7.41
	DO	8.7	8.6	8.6	8.9	---	---	---	---	---	---	---	---
	BOD	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	2	---	0.5	0.4
	TC	25.0	---	---	---	---	---	---	---	---	---	---	---
River Satluj U/s Rampur	pH	7.43	8.0	7.9	7.96	7.11	7.95	6.96	7.17	7.46	7.7	7.9	7.3
	DO	8.9	8.7	8.9	9.8	---	---	---	---	---	---	---	---
	BOD	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.1	0.1	0.4
	TC	25.0	---	---	---	---	---	---	---	---	---	---	---
River Satluj D/s Rampur	pH	7.14	8.0	7.8	7.93	7.06	7.8	6.91	7.26	7.42	7.8	8.0	7.39
	DO	9	8.8	8.7	9.2	---	---	---	---	---	---	---	---
	BOD	1.8	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3
	TC	21.0	---	---	---	---	---	---	---	---	---	---	---
River Satluj at Wangtoo Bridge	pH	8.07	7.86	7.8	7.86	6.81	7.6	7.19	7.23	7.48	7.6	7.8	7.54
	DO	9.4	9.6	9.1	9.6	---	---	---	---	---	---	---	---
	BOD	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.1	0.5	7.7	7.6	0.5
	TC	20.0	---	---	---	---	---	---	---	---	---	---	---
River Satluj Before Confl. With River Spiti at Khab	pH	7.8	7.7	7.7	7.7	6.83	7.61	6.78	7.0	7.44	7.74	7.59	7.2
	DO	9.8	9.8	9.7	10	---	---	---	---	---	---	---	---
	BOD	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2
	TC	20.0	---	---	---	---	---	---	---	---	---	---	---
River Spiti Before Confl. With River Satluj at Khab	pH	7.37	7.8	6.7	7.67	6.8	7.53	6.98	7.09	7.58	7.4	7.7	7.4
	DO	9.8	10.2	---	10.2	---	---	---	---	---	---	---	---
	BOD	0.4	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4
	TC	20.0	---	---	---	---	---	---	---	---	---	---	---
River Satluj after Confl. With River Sapiti at Khab	pH	7.94	7.8	7.9	7.66	6.93	7.5	6.73	7.15	7.61	7.6	7.63	7.34
	DO	9.7	9.8	9.7	10.1	---	---	---	---	---	---	---	---
	BOD	0.2	0.1	0.1	0.5	0.2	0.2	0.4	0.2	0.2	0.4	0.4	0.4
	TC	17.0	---	---	---	---	---	---	---	---	---	---	---
River Baspa U/s Reservoir at Kuppa	pH	7.23	7.8	7.8	7.9	6.74	7.56	---	6.84	7.51	7.53	7.82	7.52
	DO	9.1	9.4	9.3	9.5	---	---	---	---	---	---	---	---
	BOD	0.1	0.2	0.2	0.3	0.2	0.1	---	0.1	0.5	0.1	0.1	0.2
	TC	6.0	---	---	---	---	---	---	---	---	---	---	---
Well at Parwanoo	pH	---	---	---	---	---	---	7.19	---	---	---	---	---
	DO	---	---	---	---	---	---	8	---	---	---	---	---
	BOD	---	---	---	---	---	---	0.4	---	---	---	---	---
	TC	---	---	---	---	---	---	<1.8	---	---	---	---	---
Handpump at Reokong Peo	pH	---	---	---	---	---	---	7.25	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	---	---	---	---	---	---	0.1	---	---	---	---	---
	TC	---	---	---	---	---	---	---	---	---	---	---	---
Handpump at Rampur	pH	---	---	---	---	---	---	7.29	---	---	---	---	---
	DO	---	---	---	---	---	---	---	---	---	---	---	---
	BOD	---	---	---	---	---	---	0.1	---	---	---	---	---

	TC	---	---	---	---	---	---	---	---	---	---	---	---
River Binwa D/S Paprola/Baijnath (2608)	pH	6.91	7.31	7.62	7.22	7.86	7.58	6.93	7.56	7.94	7.38	7.28	7.91
	DO	7.90	8.1	7.9	9.0	8.5	9.1	7.5	8.2	7.2	8.9	7.3	7.3
	BOD	0.20	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
	TC				350	350		170		210	210	170	170
River Neugal D/S Thural (2609)	pH	7.68	7.78		7.54	7.65	7.97	8.04	8.45	8.04	8.22	7.69	7.38
	DO	7.20	8.1		7.9	6.7	7.8	7.3	7.8	7.5	7.9	7.9	7.8
	BOD	0.30	0.3		0.2	0.1	0.3	0.1	0.1	0.2	0.3	0.2	0.4
	TC	170.00	210		280	280	240	240	170	150	150	150	210
River Ravi U/S Chamba (1089)	pH	8.08	7.49	7.28	7.54	7.95	7.26	8.13	7.66	8.35	7.95	7.57	7.86
	DO	8.70	8.7	8.6	8.6	9.7	8.7	8.5	8.7	8.7	8.7	8.7	8.7
	BOD	0.40	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2
	TC	110.00	140	280	280	240	220	210	150	170	150	140	140
River Beas D/S Jaisinghpur (2604)	pH	7.26	7.71	7.58	7.5	8.14	8.68	8.42	8.35	8.3	7.92	7.02	7.52
	DO	7.20	7.9	7.6	8.5	6.7	8.7	7.4	8.7	8.6	8.7	8.7	7.1
	BOD	0.20	0.1	0.4	0.3	0.1	0.4	0.1	0.1	0.2	0.2	0.2	0.5
	TC	210.00	130		280	280	280	210	210	170	150	210	220
River Beas D/S Alampur (1007)	pH	7.46	7.68	7.43	7.44	8.06	8.42	8.48	8.12	8.24	8.26	7.55	7.34
	DO	7.30	7.7	7.5	8.4	6.8	8.6	7.3	8.6	8.7	8.7	8.7	7.3
	BOD	0.30	0.1	0.6	0.6	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.3
	TC	220.00	170		240	280	220	240	220	170	170	170	210
River Ravi D/S Chamba (2613)	pH	8.14	7.73	7.71	7.97	8.08	7.5	7.49	8.36	8.42	7.95	7.52	7.48
	DO	8.80	8.7	8.6	8.6	9.6	8.7	8.7	8.7	8.7	8.6	8.6	8.6
	BOD	0.50	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.4	0.2
	TC	130.00	210	280	350	280	280	210	210	170	170	150	170
Khajjar Lake Chamba (2650)	pH	7.32	7.68	7.23	7.24	6.92	7.07	7.33	7.47	7.37	7.82	7.42	7.42
	DO	6.20	6.0	6.2	6.0	5.9	5.9	6.0	5.9	5.9	5.8	6.0	6.1
	BOD	8.00	3.8	4.6	2.8	4.0	4.6	3.4	6.0	3.8	2.8	2.8	1.8
	TC	540.00	540	920	920	950	920	920	920	920	540	430	430
River Ravi at Chamera Reservoir (2614)	pH	7.69	7.62	7.54	7.68	7.83	7.74	8.38	8.37	8.06	7.18	7.45	7.44
	DO	8.60	8.6	8.5	8.8	9.5	8.5	8.5	8.5	8.6	8.5	8.7	8.6
	BOD	0.20	0.3	0.3	0.3	0.1	0.3	0.2	0.1	0.2	0.2	0.2	0.1
	TC	170.00	170	240	280	350	240	140	210	170	170	170	170
River Siul D/S Surgani (2616)	pH	7.76	7.35	7.65	7.74	8.25	7.85	8.18	8.28	8.23	7.74	7.32	7.38
	DO	8.80	8.7	8.6	8.8	9.8	8.8	8.8	8.9	8.7	8.7	8.8	8.8
	BOD	0.30	0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.2	0.2	0.4	0.2
	TC	130.00	120	240	280	240	220	140	170	150	150	140	140
River Ravi U/s Madhopur HW (1088)	pH	8.02	7.48	7.26	7.61	7.82	7.27	8.15	8.08	7.83	7.94	7.46	7.12
	DO	7.40	7.2	8.4	8.2	6.9	7.3	8.7	8.7	8.6	7.3	7.3	9.1
	BOD	0.10	0.3	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.2
	TC	220.00	170		280			170	210	170			
River Satluj D/S Bhakhra (1016)	pH	8.27	7.62	7.94	7.48	8.42	8.31	8.39	8.47	8.08	7.48	7.59	7.92
	DO	7.00	7.8	6.5	6.6	7.5	7.5	7.6	7.5	7.0	7.5	7.6	7.5
	BOD	1.20	0.2	0.2	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.3	0.2

	TC	280.00	220	240	430	430	280	280	240	210	170	210	220
River Swan D/S (Nangal) Santokhgarh (1869)	pH	8.02	7.81	7.73	7.97	8.22	8.29	8.19	8.42	8.47	8.22	7.95	7.76
	DO	6.10	6.1	6.1	6.0	7.5	6.9	7.1	6.8	6.7	6.5	6.5	6.5
	BOD	1.50	0.4	0.5	0.4	0.4	0.3	0.2	0.2	0.3	0.5	0.3	0.5
	TC	280.00	350	350	540	430	430	280	350	280	220	220	240
River Ravi D/S of proposed Dam Chamera III (2615)	pH	7.87	7.55	7.68	7.51	8.07	7.83	8.29	7.72	8.44	7.59	7.65	7.68
	DO	8.90	8.8	8.7	8.6	9.9	8.8	8.9	8.8	8.9	8.8	8.8	8.8
	BOD	0.30	0.6	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2
	TC	170.00	210	280	280	350	280	220	170	150	140	170	150
River Beas Pong Dam at Pong Village (1292)	pH	7.88	8.41	7.5	7.9	8.42	7.82	8.17	8.01	8.11	7.97	7.16	7.82
	DO	7.20	7.4	8.0	8.2	6.7	7.4	8.5	8.2	7.3	7.3	7.1	8.9
	BOD	0.30	0.2	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.1	0.5
	TC	240.00	280		280			240	240	170	170		
River Beas D/S Pong Dam (1009)	pH	7.94	7.52	7.34	7.62	7.75	7.98	8.18	8.09	8.18	7.82	6.88	7.61
	DO	7.30	7.1	8.2	8.1	6.9	7.2	8.6	8.3	7.3	7.5	7.3	8.8
	BOD	0.10	0.1	0.2	0.2	0.3	0.3	0.3	0.1	0.2	0.3	0.2	0.3
	TC	210.00	210		350			210	210	210	170		
River Beas D/S Dehra (1008)	pH	8.16	7.82	7.09	8.06	7.76	8.42	7.75	8.45	8.48	7.85	7.28	7.2
	DO	6.90	8.4	6.9	7.9	8.6	8.7	8.5	8.3	7.3	8.4	8.7	7.1
	BOD	0.10	0.1	0.2	0.2	0.1	0.1	0.3	0.1	0.3	0.1	0.4	0.4
	TC	210.00	170		350	280	240	170	210	210	170	210	220
Swan River U/s Satokhgarh Bridge 3858	pH	8.46	8.32	7.75	7.78	8.4	8.24	8.44	8.36	8.3	7.8	8.21	7.78
	DO	6.20	6.2	6.1	6.1	7.5	7.0	7.2	6.9	6.8	6.7	6.7	6.5
	BOD	2.10	0.5	0.2	1.2	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3
	TC	350.00	280	280	350	350	280	240	240	220	210	240	210
River Beas D/s Nadaun Bridge 3855	pH	8.17	7.71	7.81	7.38	7.74	8.48	7.94	8.42	8.46	8.14	7.43	7.35
	DO	7.00	8.1	7.1	8.5	8.7	8.6	8.7	8.5	7.3	8.7	8.6	7.3
	BOD	0.20	0.4	0.1	0.3	0.4	0.2	0.3	0.1	0.3	0.2	0.4	0.5
	TC	220.00	210		280	280	220	220	170	170	170	210	210
Swan River U/s Una Town Ghaluwal Bridge 3859	pH	8.08	7.97	7.61	7.92	8.38	7.94	8.46	8.24	7.56	8.26	8.29	7.02
	DO	6.20	6.1	6.3	5.8	7.3	7.1		7.1	7.0	6.8	6.8	6.7
	BOD	0.30	0.2	0.3	0.4	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3
	TC	210.00	140	350	430	350	350	240	240	210	170	210	240
Swan River U/s Ind. Area Gagret 3856	pH	8.04	8.12	7.64	7.93	8.31	8.06	8.32	8.39	8.09	8.25	8.3	8.21
	DO		6.3	6.2	6.1	7.6	7.0	7.0	7.2	6.7	7.0	6.8	6.8
	BOD	0.10	0.1	0.2	0.3	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2
	TC	240.00	210	430	350	430	280	170	210	170	150	210	240
Swan River D/s Ind. Area Gagret 3857	pH	7.64	8.15	7.86	7.91	8.35	8.38	8.42	8.4	8.11	8.25	8.27	7.28
	DO	6.00	6.2	6.1	6.0	7.6	6.6	7.1	7.2	6.8	6.9	6.8	6.8
	BOD	1.10	0.3	0.4	0.6	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.3
	TC	350.00	220	280	540	430	430	150	220	210	170	240	280
River Ravi U/s STP (Barga) Chamba 3873	pH	7.92	7.72	7.35	7.48	8.12	7.19	7.95	8.11	8.28	8.09	7.53	7.6
	DO	8.70	8.8	8.6	8.7	9.8	8.6	8.7	8.6	8.8	8.7	8.7	8.6
	BOD	0.30	0.2	0.1	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.2

	TC	170.00	150	240	280	280	240	240		170	170	170	170
River Ravi D/s STP (Bhagot) Chamba 3874	pH	7.89	7.64	7.52	8.18	8.22	7.3	7.57	8.32	8.4	7.97	7.58	7.61
	DO	8.60	8.7	8.5	8.6	9.7	8.5	8.6	8.6	8.6	8.5	8.6	8.5
	BOD	0.70	0.2	0.3	0.3	0.4	0.4	0.2	0.1	0.5	0.2	0.4	0.5
	TC	210.00	140	350	350	280	350.0	280	280	220	220	210	240
U/S Slapper, River Satluj	pH	7.63	7.91	7.64	7.95	7.88	8.11	7.56	7.65	7.88	7.88	7.82	7.93
	DO	9.3	8.5	8.3	9.0	8.0	8.0	9.7	9.5	9.0	9.8	11.0	11.7
	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	140	180	170	170	130	170	140	110	140	140	130	170
D/S Slapper, Satluj River after Conf. with River Beas	pH	7.84	7.94	7.75	7.97	7.87	8.16	8.07	7.88	8.11	8.22	7.99	7.98
	DO	9.1	8.3	8.5	9.0	7.6	6.7	9.8	9.5	8.9	9.9	11.9	11.5
	BOD	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
	TC	210	240	210	280	180	350	150	130	170	150	180	210
Exit of Dehar Power House, Beas River	pH	7.93	7.89	7.84	7.93	7.92	8.19	7.85	7.90	7.96	8.27	8.12	7.95
	DO	8.8	7.4	8.7	9.6	7.7	6.7	8.7	9.0	9.1	9.3	11.4	9.9
	BOD	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
	TC	220	220	150	210	220	280	170	170	210	170	170	280
D/s Bilaspur at Govindsagar	pH	7.93	7.93	7.66	7.84	7.87	8.15	8.31	7.80	7.79	7.41	8.22	7.84
	DO	9.0	7.8	8.1	9.3	7.5	9.7	9.9	10.1	8.7	10.1	11	11.3
	BOD	0.4	0.3	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.4	0.4
	TC	540	920	540	920	430	920	220	350	350	430	430	920
U/s Mandi, Beas River)	pH	8.22	7.81	7.06	7.99	7.64	8.15	8.09	7.62	7.91	8.13	8.12	7.82
	DO	8.7	7.7	9.2	9.0	8.2	8	8.2	9.3	10.6	9.2	9.9	10.3
	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	150	170	140	130	170	180	110	110	130	120	110	130
D/s Mandi, Beas River	pH	7.35	8.48	7.11	7.79	7.68	8.1	8.06	7.86	8.04	8.14	8.19	7.94
	DO	9.5	9.2	9.6	9.0	8.4	7.5	9.4	9.7	11.4	10.4	12	10.2
	BOD	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1
	TC	350	350	220	280	210	280	170	220	180	210	170	350
Rewalsar Lake	pH	7.61	7.93	7.38	7.56	7.63	8.08	7.42	7.29	8.16	8.31	8.37	7.76
	DO	8.4	8.1	4.5	9.8	9.4	5.6	9.2	8.2	5.1	8.2	10.9	7.9
	BOD	22.0	2.0	7.0	9.0	8.0	4.0	6.0	11.0	3.0	2.4	2.0	3.0
	TC	1600	920	1600	920	>1600	>1600	920	540	540	920	920	920
D/s Mandi, Suketi Khudd (2607)	pH	7.76	8.07	7.05	7.6	7.84	8.21	8.02	8.06	8.14	8.56	8.57	8
	DO	7.8	8.3	6.8	7.3	7.2	7.4	7.6	9.4	10.2	7.8	10.2	9.5
	BOD	0.1	0.3	0.4	0.3	0.3	0.4	0.2	0.2	0.2	0.4	0.4	0.1
	TC	430	540	240	280	540	350	240	220	280	430	350	350
R .Beas, U/s Pandoh Dam	pH	8.13	7.62	7.24	7.76	7.6	8.04	8.15	7.86	7.86	8.41	8.13	7.97
	DO	9.1	8.2	9.4	8.8	9.3	9.0	8.7	9.3	10.4	9.6	10.4	10.1
	BOD	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1
	TC	170	350	210	180	130	180	140	110	110	170	180	150
R.Beas, D/s Pandoh Dam	pH	7.66	7.72	7.22	7.81	7.53	8.36	7.91	7.83	7.84	8.24	8.16	7.84
	DO	10.4	8.4	8.3	8.9	7.0	8.6	9.0	9.5	10.4	11.0	10.8	9.7

	BOD	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2
	TC	210	280	220	140	150	220	170	210	170	220	240	150
R.Beas, D/s Aut	pH	7.93	7.63	7.76	7.80	7.59	7.81	7.79	8.03	7.65	8.4	7.95	7.79
	DO	8.8	9.2	9.0	8.9	8.8	8.9	8.9	8.8	9.8	8.2	9.3	8.6
	BOD	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
	TC	140	240	150	180	120	280	130	180	130	280	180	170
R.Sainj, D/s Largi	pH	7.81	7.61	7.63	7.92	7.75	8.21	7.90	7.09	7.75	8.4	7.94	7.85
	DO	8.7	9.2	8.8	8.9	8.9	8.8	9.1	8.9	9.7	8.1	9.5	8.6
	BOD	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
	TC	220	220	170	170	170	220	140	220	120	240	150	180
River Parvati, U/s Manikaran	pH	7.77	7.42	8.11	7.74	7.26	7.6	7.71	8.29	6.84	8.34	7.47	8.02
	DO	9.0	9.2	8.9	8.9	8.9	8.9	9.2	9	9.2	8.7	9.3	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	110	130	120	79	79	130	70	63	94	110	120	79
River Parvati, D/s Manikaran	pH	7.76	7.85	7.95	7.42	8.22	8.25	7.6	7.83	7.34	8.07	7.24	8.13
	DO	9.0	9.2	8.9	8.9	8.9	8.9	9.1	8.9	9.1	8.6	9.2	8.9
	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	170	220	170	110	110	180	110	140	110	170	130	130
River Beas, U/s Manali	pH	7.55	7.46	7.51	7.63	7.04	7.85	8.02	7.94	7.72	8.1	7.88	7.65
	DO	9.2	9.2	9.2	9.2	9.2	9.2	9.1	9.1	8.6	10	9.6	9.8
	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	150	140	130	63	94	170	63	58	84	120	110	140
River Beas, D/s Manali	pH	7.57	7.51	7.57	7.74	6.61	7.84	8.02	7.69	7.56	8.08	7.93	7.56
	DO	9.1	9.1	9.1	9.1	9.1	9.1	9.0	9.0	7.5	10	9.2	9.6
	BOD	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2
	TC	280	180	240	130	130	220	140	170	120	240	210	220
River Beas, U/s Kullu	pH	7.48	7.05	7.86	7.84	7.21	7.36	7.62	7.75	8.38	8.01	8.17	7.88
	DO	9.5	9.3	9.1	9.4	9.1	9.2	9.2	9.0	7.5	8.6	8.8	8.8
	BOD	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.3
	TC	220	350	220	170	170	220	140	130	150	150	170	170
River Beas, D/s Kullu	pH	7.77	7.33	7.47	7.78	7.45	8.09	7.7	7.93	8.27	8.13	8.05	7.75
	DO	9.5	9.2	9.0	9.4	9.0	9.1	9.1	9.0	7.4	8.6	8.7	8.7
	BOD	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.2	0.2	0.4
	TC	430	170	350	280	350	350	280	170	220	280	350	220
Parvati River, before confluence to R. Beas at Bhunter	pH	7.8	7.82	7.82	7.28	8.05	8.56	7.56	7.88	7.49	7.98	7.33	8.01
	DO	9.1	9.0	8.8	8.8	8.8	8.8	9.0	8.8	8.9	8.5	9	8.7
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
	TC	210	180	210	130	220	140	170	130	110	140	150	170
Manalsu Nalla before confluence to R. Beas	pH	7.71	7.61	7.89	7.56	7.22	8.11	8.3	7.74	7.45	7.64	7.41	7.57
	DO	9.0	9.2	9.0	9.0	9.0	9.0	8.9	9	8.7	10.2	9	9.2
	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	120	130	130	94	170	110	94	94	70	94	70	110
Sarvari Nalla before	pH	7.98	7.68	7.09	8.10	7.56	8.03	7.81	7.86	8.14	8.31	7.98	7.69
	DO	9.5	9.1	9.1	9.1	9.0	9.1	9.1	9.1	7.8	8.3	8.5	8.6

confluence to R. Beas	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	110	170	150	120	130	94	79	110	94	130	110	110
BaragramNalla before confluence to R. Beas	pH	7.72	7.56	7.0	8.25	7.76	8.01	8.07	7.79	7.52	7.65	7.09	7.60
	DO	9.1	9.0	9.0	9.0	9.1	9.1	9.0	9	9.2	10.4	9.4	9.3
	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	94	110	170	130	110	130	84	94	94	120	94	63
Hand Pump at Shmshi	pH	8.08	--	--	7.33	--	--	6.76	--	--	8.52	--	--
	DO	--	--	--	--	--	--	--	--	--	--	--	--
	BOD	NIL	--	--	NIL	--	--	NIL	--	--	NIL	--	--
	TC	<1.8	--	--	<1.8	--	--	<1.8	--	--	<1.8	--	--
Hand Pump at Bilaspur Town	pH	7.9	--	--	7.41	--	--	7.32	--	--	8.08	--	--
	DO	--	--	--	--	--	--	--	--	--	--	--	--
	BOD	NIL	--	--	NIL	--	--	NIL	--	--	NIL	--	--
	TC	<1.8	--	--	<1.8	--	--	<1.8	--	--	<1.8	--	--
Well at MSW Dumping Site of Mandi	pH	Sample not received	---	---	Sample not received	--	--	Sample not received	--	--	Sample not received	--	--
	DO	Sample not received	---	---	Sample not received	--	--	Sample not received	--	--	Sample not received	--	--
	BOD	Sample not received	---	---	Sample not received	--	--	Sample not received	--	--	Sample not received	--	--
	TC	Sample not received	---	---	Sample not received	--	--	Sample not received	--	--	Sample not received	--	--
Hand Pump at I&PH Office, Keylong	pH	Sample not received	---	7.68	Sample not received	--	--	Sample not received	--	--	Sample not received	--	--
	DO	Sample not received	---	---	Sample not received	--	--	Sample not received	--	--	Sample not received	--	--
	BOD	Sample not received	---	0.1	Sample not received	--	--	Sample not received	--	--	Sample not received	--	--
	TC	Sample not received	---	<1.8	Sample not received	--	--	Sample not received	---	--	Sample not received	--	--
Renuka Lake	pH	8.00	7.58	7.28	7.24	7.29	7.98	7.69	7.74	7.78	7.72	7.78	7.83
	DO	6.8	6.7	6.7	6.6	6.8	6.5	6.4	6.7	6.8	6.9	6.8	6.4
	BOD	1.2	1.2	2.0	1.8	2.0	2.2	1.8	1.6	1.4	2.0	2.0	2.2
	TC	47.0	48.0	58.0	48.0	63.0	70.0	63.0	58.0	48.0	63.0	70.0	84.0
River Yamuna U/S Paonta Sahib	pH	7.75	8.08	8.07	7.67	8.00	7.78	8.16	7.73	7.28	7.7	7.72	8.02
	DO	7.8	7.4	7.2	7.4	7.3	7.6	7.6	7.6	7.8	8.2	7.9	7.2
	BOD	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.8
	TC	26.0	26.0	27.0	26.0	31.0	32.0	26.0	21.0	22.0	31.0	32.0	31.0
River Yamuna D/S Paonta Sahib	pH	8.01	8.14	8.11	7.57	7.52	7.48	8.07	7.98	7.66	7.99	7.96	7.96
	DO	7.6	7.1	7.1	7.2	7.1	7.4	7.3	7.5	7.6	7.7	7.7	7.1
	BOD	0.4	0.4	0.3	0.2	0.4	0.3	0.4	0.6	0.4	0.6	0.4	0.4
	TC	27.0	27.0	31.0	27.0	33.0	34.0	32.0	26.0	25.0	33.0	38.0	38.0
River Markanda at Paonta Sahib	pH	8.24	8.04	7.61	8.05	7.85	7.87	8.11	8.02	8.06	8.0	8.16	7.69
	DO	7.5	7.4	7.3	7.2	7.5	7.4	7.5	7.9	7.8	8.2	7.8	7.6
	BOD	0.3	0.3	0.4	0.2	0.3	0.2	0.3	0.4	0.3	0.6	0.6	0.6
	TC	26.0	27.0	33.0	32.0	34.0	39.0	32.0	33.0	34.0	40.0	47.0	40.0
River Giri U/S CCI Mines	pH	7.78	7.69	7.21	7.77	7.52	7.89	7.89	7.88	7.84	7.79	7.85	7.80
	DO	8.2	8.5	8.0	6.9	7.3	7.5	7.4	7.7	7.7	8.2	8.1	7.6
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.2	0.2
	TC	20.0	21.0	22.0	22.0	27.0	24.0	20.0	21.0	22.0	21.0	22.0	21.0
River Giri D/S Sataun	pH	7.98	7.74	7.52	7.86	7.60	8.00	7.90	7.97	7.86	7.81	7.70	7.82
	DO	7.8	8.3	7.8	7.2	7.1	7.4	7.2	7.7	7.7	7.9	7.9	7.5

	BOD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
	TC	20.0	21.0	22.0	21.0	31.0	25.0	20.0	21.0	21.0	22.0	26.0	25.0	
River Markanda U/S Kala Amb	pH	7.82	7.96	7.42	7.94	7.73	7.99	8.04	8.09	7.88	7.82	7.96	8.01	
	DO	8.0	7.6	7.4	6.9	7.4	7.3	7.4	7.4	7.6	7.7	7.7	7.2	
	BOD	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.4	0.3	
	TC	25.0	26.0	26.0	25.0	32.0	32.0	26.0	27.0	27.0	32.0	34.0	40.0	
River Markanda D/S Kala Amb	pH	7.89	7.68	7.23	8.17	7.85	8.00	8.05	8.32	8.08	8.08	8.08	8.38	
	DO	7.7	7.4	7.2	6.7	7.4	7.3	7.4	7.4	7.6	7.7	7.6	7.0	
	BOD	0.4	0.4	0.3	0.4	0.4	0.6	0.4	0.6	0.4	0.8	0.8	0.6	
	TC	26.0	27.0	26.0	26.0	38.0	40.0	32.0	33.0	34.0	48.0	58.0	48.0	
River Batta U/S Paonta Sahib	pH	8.13	8.01	8.05	7.50	7.6	7.27	8.18	8.01	8.06	8.09	7.72	7.98	
	DO	9.0	7.3	7.3	7.1	6.8	7.5	7.5	7.9	7.7	7.9	7.9	7.6	
	BOD	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	
	TC	17.0	17.0	20.0	17.0	26.0	31.0	17.0	21.0	21.0	26.0	32.0	26.0	
River Batta D/S Paonta Sahib	pH	8.15	7.90	7.95	7.60	7.44	7.80	8.10	8.09	8.05	8.07	7.96	7.89	
	DO	8.8	7.1	7.1	7.1	7.0	7.4	7.3	7.6	7.7	7.0	7.7	7.5	
	BOD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.2	
	TC	21.0	20.0	21.0	20.0	31.0	33.0	20.0	22.0	22.0	27.0	38.0	32.0	
River Giri D/S of CCL, Rajban	pH	7.80	7.58	7.14	7.65	7.25	7.79	7.82	7.99	7.94	7.90	7.87	7.80	
	DO	7.8	7.9	7.7	6.8	7.2	7.4	7.2	7.6	7.6	7.8	7.8	7.4	
	BOD	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
	TC	21.0	6.0	14.0	13.0	21.0	26.0	22.0	22.0	22.0	27.0	26.0	24.0	
Salani Khad Near Bridge NH-7 Moginand Kala Amb	pH	8.24	8.09	7.00	7.83	8.06	7.90	8.06	8.00	8.00	7.98	8.04	8.02	
	DO	7.6	7.2	7.0	6.8	8.3	7.2	7.4	7.8	7.6	8	8.0	7.4	
	BOD	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
	TC	24.0	21.0	20.0	21.0	32.0	32.0	24.0	24.0	25.0	27.0	31.0	33.0	
River Markanda D/s of Salani Khad	pH	8.22	8.21	7.21	8.02	8.03	7.93	8.15	8.08	7.98	7.95	8.02	7.99	
	DO	7.3	7.1	7.0	6.6	8.3	7.2	7.4	7.8	7.6	7.9	7.9	7.3	
	BOD	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.4	0.3	
	TC	25.0	24.0	25.0	24.0	33.0	34.0	26.0	27.0	27.0	34.0	34.0	38.0	
Rampur Jattan Moginand Nallah Before conf. to River Markanda Near Radha Swai Satsang Bhawan	pH	7.46	6.78	2.82	7.98	7.16	7.27	7.5	7.85	7.31	7.40	7.52	7.60	
	DO	3.0	2.1	2.2	4.2	5.7	3.8	3.7	3.9	3.2	2.9	Nil	Nil	
	BOD	160.0	20.0	22	20.0	12.0	12.0	12.0	10.0	24.0	60.0	40.0	36.0	
	TC	920.0	94.0	110.0	94.0	110.0	94.0	540.0	350.0	430.0	540.0	430.0	540.0	
River Markanda D/s Moginand Nallah	pH	8.30	7.76	6.91	8.05	7.79	7.76	8.01	8.23	8.03	7.93	8.10	7.99	
	DO	7.2	7.0	6.8	6.7	6.4	7.2	7.2	7.3	7.3	7.9	7.9	7.3	
	BOD	0.2	0.4	0.4	0.1	0.4	0.2	0.3	0.4	0.6	0.4	0.6	0.3	
	TC	25.0	26.0	27.0	25.0	27.0	33.0	26.0	26.0	31.0	39.0	41.0	38.0	
Roon Nallah Near MeerPur Kotla, Grudwara	pH	7.93	Source Dried	Source Dried	7.30	7.03	8.08	7.85	8.3	8.1	8.10	8.12	Source Dried	
	DO	7.2			7.1	7.6	7.2	7.3	7.6	7.8	7.9	7.6		
	BOD	0.3			0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2		0.2
	TC	26.0			24.0	32.0	32.0	21.0	21.0	22.0	26.0	27.0		

Results of MINARS Points from April-2017 to March- 2018

Name of location	Parameters	Apr-17	Oct-17
Well at Kala Amb	pH	7.95	8.01
	DO	-	-
	BOD	0.1	0.1
	TC	1.8	1.8
Well at Paonta Sahib	pH	7.28	7.67
	DO	-	-
	BOD	0.1	0.1
	TC	1.8	1.8
Well at Industrial Area Kala Amb	pH	7.9	7.73
	DO	-	-
	BOD	0.2	0.2
	TC	4.0	1.8
Well at Industrial Area Paonta Sahib	pH	8.22	7.97
	DO	-	-
	BOD	0.1	0.1
	TC	1.8	1.8
Hand Pump at Nahan	pH	7.69	7.80
	DO	-	-
	BOD	0.1	0.1
	TC	4.0	1.8
Hand Pump at Kala Amb	pH	8.0	7.49
	DO	-	-
	BOD	0.3	0.3
	TC	6.0	1.8

Results of State Water Quality Monitoring Points from April 2017 to March 2018

Name of Location	Parameter	Apr-17	Jul-17	Oct-17	Jan-18
River Yamuna U/S of Ranbaxy Paonta Sahib	pH	8.10	7.41	7.95	7.94
	DO	7.9	7.5	7.3	7.7
	BOD	0.2	0.3	0.2	0.3
	TC	20.0	20.0	20.0	26.0
River Yamuna D/S of Ranbaxy Paonta Sahib	pH	8.12	7.57	8.13	8.02
	DO	7.8	7.5	7.3	7.7
	BOD	0.3	0.3	0.4	0.4
	TC	21.0	22.0	22.0	33.0
River Yamuna U/S of landfill site Paonta Sahib	pH	7.80	7.49	8.15	7.92
	DO	7.6	7.4	7.2	7.6
	BOD	0.3	0.2	0.2	0.2
	TC	27.0	24.0	26.0	32.0
River Yamuna D/S of landfill site Paonta Sahib	pH	7.94	7.30	8.00	7.83
	DO	7.2	7.2	7.2	7.6
	BOD	0.6	0.4	0.6	2.0
	TC	40.0	25.0	48.0	58.0
River Markanda U/S of Markanda Bridge Kala Amb	pH	7.68	7.73	7.98	7.98
	DO	7.4	6.7	7.4	7.7
	BOD	0.4	0.4	0.4	0.3
	TC	27.0	26.0	26.0	31.0
River Markanda U/S of Jattanwala Nallah	pH	7.94	7.7	8.16	8.02
	DO	7.6	6.7	7.4	7.6
	BOD	0.4	0.4	0.6	0.4
	TC	26.0	27.0	27.0	40.0
Jattanwala Nallah	pH	7.59	7.95	7.52	6.95
	DO	Nil	1.1	1.9	2.0
	BOD	160.0	20.0	140.0	120.0
	TC	>1600	>1600	>1600	>1600
D/S Jattanwala Nallah	pH	7.71	7.52	7.44	7.08
	DO	Nil	4.4	2.8	1.8
	BOD	46.0	8.0	40.0	32.0
	TC	>1600	>1600	>1600	>1600
River Sirsa D/s Stomajri Nallah	pH	8.02	8.39	7.91	7.96

	DO	3.4	3.6	5	5.5
	BOD	5.5	6	2.4	6.2
	TC	24	25	32	47
River Bald U/s Land fill site at Baddi	pH	8.47	7.29	7.92	6.93
	DO	0.8	1.8	4.5	2.8
	BOD	6.2	6.5	2	16
	TC	33	40	26	240
River Bald D/s Landfill site at Baddi	pH	8.20	7.40	7.98	7.34
	DO	1.0	1.4	**	3.6
	BOD	8.0	8.0	3	11
	TC	49	47	40	84
River Sirsa U/s Sandholi Nallah	pH	8.20	8.24	7.54	7.32
	DO	2.5	1.9	1.5	2.9
	BOD	3.4	7.5	46	34
	TC	94	48	>1600	>1600
Sandholi Nallah	pH	8.27	7.14	7.36	6.33
	DO	0.0	1.8	0.8	1.4
	BOD	56.0	32	58	30
	TC	>1600	>1600	>1600	>1600
River Sirsa D/s Sandholi Nallah	pH	8.18	7.41	7.44	6.22
	DO	3.4	1.4	2.4	2.6
	BOD	24.0	18	36	28
	TC	430	1600	>1600	>1600
River Sirsa U/s Housing Board Nalla	pH	8.21	7.42	7.67	7.21
	DO	3.6	3.4	2.7	3.6
	BOD	25.0	14	26	20
	TC	220	350	1600	>1600
River Sirsa D/s Housing Board Nalla	pH	8.13	7.40	7.58	7.25
	DO	2.9	3.6	3	2.9
	BOD	18.0	18	38	21
	TC	350	540	>1600	>1600
Housing Board Nallah	pH	7.91	7.45	7.12	7.12
	DO	0.0	3.1	0.9	1.6
	BOD	32.0	20.0	40	22
	TC	>1600	1600	>1600	>1600
River Ratta Before Conf. to River Sirsa	pH	8.2	7.42	7.35	**
	DO	3.0	5	4.2	**
	BOD	2.6	5.5	4.2	**
	TC	38	26	40	**
River Sirsa U/s River Ratta	pH	8.02	8.25	7.82	7.56
	DO	3.7	3.1	**	4.6
	BOD	2.8	20.0	6.4	7.0
	TC	220	1600	43	63
River Sirsa D/s River Ratta	pH	8.17	8.20	7.81	7.54
	DO	5	4.8	5.0	5.0
	BOD	4.5	8	5.2	8.0

	TC	21	26	46	70
River Sirsa U/s Manpura Nallah	pH	8.12	7.41	**	7.68
	DO	3.1	3.5	**	3.4
	BOD	4.6	7.5	**	4.8
	TC	70	70	**	39
Manpura Nallah	pH	8.04	8.23	**	**
	DO	0.9	1.8	**	**
	BOD	6.0	14.0	**	**
	TC	94	94	**	**
River Sirsa D/s Manpura Nallah	pH	**	7.98	**	7.76
	DO	**	3.2	**	4.7
	BOD	**	12.5	**	5.5
	TC	**	84	**	73
River Sirsa U/s Khera Nallah	pH	**	7.77	**	7.93
	DO	**	3.1	**	4.2
	BOD	**	5.5	**	6
	TC	**	24	**	
Khera Nallah	pH	7.68	8.5	**	**
	DO	2.0	2.5	**	**
	BOD	9.0	8.0	**	**
	TC	46	36	**	**
River Sirsa D/s Khera Nallah	pH	49	6.5	**	7.83
	DO	3.6	2.8	**	3.8
	BOD	20.0	6.5	**	6.5
	TC	79	26	**	49
Well of Sh Gurubaskh Vill Majra	pH	8.29	8.54	7.6	**
	DO	**	**	**	**
	BOD	0.4	0.4	0.4	**
	TC	<1.8	<1.8	<1.8	**
Well at house of Sh Rana	pH	8.34	7.85	7.02	**
	DO	**	**	**	**
	BOD	0.4	0.4	0.4	**
	TC	<1.8	<1.8	<1.8	**
Handpump at house of Sh Balvinder	pH	8.27	**	7.75	**
	DO	2.8	**	**	**
	BOD	0.4	**	0.4	**
	TC	<1.8	**	<1.8	**
Well at house of Sh Gurudyal	pH	8.1	8.08	7.15	**
	DO	**	**	**	**
	BOD	0.4	0.4	0.2	**
	TC	<1.8	<1.8	<1.8	**
Well at U/S TSDf Site at Majra	pH	8.36	8.14	8.04	**
	DO	**	**	**	**
	BOD	2.4	2.8	0.4	**
	TC	<1.8	10	8.2	**
Well at D/S TSDf Site at Majra	pH	8.15	8.10	7.36	**

	DO	**	**	**	**
	BOD	3.5	3.8	0.6	**
	TC	1.8	12	10	**
Gullarwala Nallah	pH	7.59	7.56	**	7.63
	DO	**	5.1	**	3.7
	BOD	6.5	8.5	**	4.2
	TC	170	25	**	32
Kaushlya River U/s Parwanoo Town	pH	**	**	7.68	7.88
	DO	**	**	7.9	7.6
	BOD	**	**	0.8	2
	TC	**	**	14	14
Kaushlya River D/s Intake Channel of WSS	pH	**	**	7.80	8.16
	DO	**	**	7.1	7.5
	BOD	**	**	0.8	2.8
	TC	**	**	12	12
Sukhana Nallah U/s WSS Sector –4, Parwanoo	pH	**	**	**	**
	DO	**	**	**	**
	BOD	**	**	**	**
	TC	**	**	**	**
Sukhana Nallah U/S Sukhana Nallah Sec-V Parwanoo (Land fillsite)	pH	**	**	**	**
	DO	**	**	**	**
	BOD	**	**	**	**
	TC	**	**	**	**
Sukhana Nallah D/S Sukhana Nallah Sec-V Parwanoo (Land fillsite)	pH	**	**	**	**
	DO	**	**	**	**
	BOD	**	**	**	**
	TC	**	**	**	**
Masulkhana Nallah U/s Morepan Lab	pH	**	**	7.53	7.64
	DO	**	**	8.1	8
	BOD	**	**	0.6	1
	TC	**	**	5.6	5.6
Masulkhana Nallah D/s Morepan Lab	pH	**	**	7.45	7.39
	DO	**	**	7.5	7.7
	BOD	**	**	0.8	3.2
	TC	**	**	14	17
Handpump Near Dhaggar, Market	pH	**	**	**	**
	DO	**	**	**	**
	BOD	**	**	**	**
	TC	**	**	**	**
Barrier Near Taksal, Shiv Mandir	pH	**	**	**	**
	DO	**	**	**	**
	BOD	**	**	**	**
	TC	**	**	**	**
Handpump near Total Health Care, Parwanoo	pH	**	**	**	**
	DO	**	**	**	**
	BOD	**	**	**	**

	TC	**	**	**	**
Handpump Sec-1 Near Shivalik Hotel	pH	**	**	8.57	**
	DO	**	**	8.0	**
	BOD	**	**	0.2	**
	TC	**	**	<1.8	**
Sukhana Nallah D/S WSS Kalka	pH	**	**	**	**
	DO	**	**	**	**
	BOD	**	**	**	**
	TC	**	**	**	**
River Satluj D/s Duttanagar	pH	8	7.99	**	**
	DO	8.9	**	**	**
	BOD	0.3	0.3	**	**
	TC	32	**	**	**
River Satluj D/s Landfillsite Rampur	pH	7.61	7.94	7.12	7.66
	DO	9.0	**	**	**
	BOD	0.3	0.3	0.3	0.3
	TC	38	**	**	**
River Satluj U/s Landfillsite Rampur	pH	7.70	7.88	7.15	7.69
	DO	9.0	**	**	**
	BOD	0.2	0.2	0.3	0.2
	TC	25	**	**	**
River Satluj D/s TRT OF NJPC	pH	7.39	7.91	6.66	7.48
	DO	9.1	**	**	**
	BOD	0.1	0.1	0.1	0.1
	TC	24	**	**	**
River Satluj U/s TRT OF NJPC	pH	7.52	7.61	6.95	7.68
	DO	9.2	**	**	**
	BOD	0.1	0.1	0.1	0.1
	TC	25	**	**	**
River Satluj U/s Confluence With Ganvi Khad	pH	7.75	7.85	7.04	7.72
	DO	9.2	**	**	**
	BOD	0.1	0.1	0.1	0.1
	TC	8.2	**	**	**
Ganvi Khad Before confluence with River Satluj	pH	7.53	7.87	7.08	7.32
	DO	8.8	**	**	**
	BOD	0.1	0.1	0.1	0.1
	TC	8.1	**	**	**
River Satluj D/s Confluence With Ganvi Khad	pH	7.20	7.89	7.07	7.60
	DO	9.2	**	**	**
	BOD	0.1	0.1	0.3	0.1
	TC	10	**	**	**
River Satluj U/s Confluence With Sorang Khad	pH	8.1	7.90	7.11	7.48
	DO	9.2	**	**	**
	BOD	0.3	0.3	0.3	0.3
	TC	8.3	**	**	**
River Satluj D/s Confluence With	pH	7.87	7.84	6.93	7.50

Sorang Khad	DO	9.2	**	**	**
	BOD	0.3	0.3	0.3	0.5
	TC	12	**	**	**
River Sorang Before confluence to River Satluj	pH	7.69	7.84	7.13	7.55
	DO	8.9	**	**	**
	BOD	0.2	0.2	0.2	0.2
	TC	8.2	**	**	**
River Tidong before Confluence with River Satluj	pH	7.80	7.60	6.72	7.58
	DO	9.1	**	**	**
	BOD	0.1	0.1	0.1	0.1
	TC	8.1	**	**	**
River Satluj U/s Confluence With River Tidong	pH	8.06	7.68	6.97	7.68
	DO	9.4	**	**	**
	BOD	0.3	0.3	0.3	0.3
	TC	17	**	**	**
River Satluj D/s Confluence With River Tidong	pH	8.09	7.67	6.78	7.68
	DO	9.4	**	**	**
	BOD	0.3	0.3	0.3	0.3
	TC	24	**	**	**
River Satluj D/s NJPC Dam At Nathpa	pH	8.01	7.85	7.13	7.58
	DO	8.9	**	**	**
	BOD	0.4	0.4	0.1	0.4
	TC	20	**	**	**
Baspa River at Baspa Project	pH	**	7.86	6.96	7.54
	DO	**	**	**	**
	BOD	**	0.1	0.1	0.1
	TC	**	**	**	**
River Baspa D/s Reservoir at Kuppa	pH	7.23	7.90	7.16	7.45
	DO	9.1	**	**	**
	BOD	0.1	0.1	0.2	0.2
	TC	8.2	**	**	**
River Baspa at HEP Baspa	pH	7.63	**	**	**
	DO	8.9	**	**	**
	BOD	0.2	**	**	**
	TC	4.0	**	**	**
U/S of wier site of WTP near Ashwani Khad	pH	7.81	7.65	6.82	7.80
	DO	7.8	7.8	8.0	8.1
	BOD	2.5	3.2	3.2	2.8
	TC	20	20	34	31
D/s Ashwani Khad	pH	7.98	7.81	6.9	7.84
	DO	7.2	7.7	4.5	7.5
	BOD	3.2	8.0	6.0	6.0
	TC	33	26	38	40
Lift Nallah D/s Hotel Combermere	pH	8.02	7.28	7.04	7.61
	DO	4.2	5.2	4.8	4.5
	BOD	4.5	24.0	10.0	10

	TC	540	920	210	220
Lift Nallah U/s Bridge at Bye Pass Road Near MC Waste Processing Site	pH	7.40	7.16	7.13	7.23
	DO	3.8	5.3	4.6	4.3
	BOD	6.0	26	12.0	12.0
River Pabbar D/s Chirgaon	TC	1600	>1600	350	920
	pH	8.02	7.36	7.48	7.95
	DO	8.5	8.6	8.8	7.9
	BOD	1.5	1.6	0.6	0.4
River Pabbar D/s Rohroo	TC	21	21	8.1	8.1
	pH	7.86	7.8	7.35	7.86
	DO	8.2	8.3	8.7	7.7
	BOD	1.0	2.4	2.0	2.0
River Pabbar U/s Hatkoti	TC	31	25.0	17	17
	pH	7.80	7.24	7.25	7.87
	DO	9.2	**	9.1	8.1
	BOD	0.4	2.8	0.6	0.6
River Pabbar D/s Hatkoti	TC	11	21	11	11
	pH	7.50	7.25	7.39	7.78
	DO	9.0	7.9	8.8	7.8
	BOD	0.8	6.4	2.0	2.0
Gummakhad U/s Chaila	TC	14	26	24	24
	pH	7.87	6.84	7.17	7.84
	DO	8.6	7.4	8.5	7.9
	BOD	1.0	6.6	2.8	2.8
Groundwater at Totu	TC	24	17	12	12
	pH	7.81	7.3	6.45	7.92
	DO	**	**	**	7.5
	BOD	0.4	0.8	0.2	0.1
D/S ACC Bar, River Satluj	TC	<1.8	3.6	<1.8	<1.8
	pH	7.97	7.96	8.11	8.13
	DO	8.7	9.5	9.5	10.3
	BOD	0.1	0.1	0.1	0.1
R. Suketi U/s of conf. of dregger outfall of SNR Balancing Reservoir	TC	210	170	240	140
	pH	7.97	7.31	8.17	8.55
	DO	8.5	6.9	7.9	8
	BOD	0.1	0.1	0.1	0.1
R. Suketi at Dadour Bridge	TC	170	180	140	120
	pH	7.88	7.99	7.66	8.49
	DO	4.1	7.0	7.1	7.2
	BOD	0.3	0.1	0.2	0.4
U/s Mandi Suketi Khad	TC	920	350	430	430
	pH	7.87	7.77	7.98	8.36
	DO	7.7	7.4	7.6	7.6
	BOD	0.1	0.1	0.1	0.2
U/s Darang, Salt Mine	TC	280	140	170	170
	pH	8.17	8.22	8.29	8.39

	DO	7.8	6.9	7.5	8.7
	BOD	0.1	0.1	0.1	0.1
	TC	94	79	94	84
D/s Darang, Salt Mine	pH	8.09	8.25	8.17	8.61
	DO	7.6	6.7	7.4	8.5
	BOD	0.1	0.1	0.1	0.1
	TC	110	110	110	130
R. Beas U/s of conf. of envisaged TRT of Uhal-III	pH	8.03	7.79	8.7	8.6
	DO	9.7	8.3	9.2	11.5
	BOD	0.1	0.1	0.1	0.1
	TC	140	130	120	150
R. Beas D/s of conf. of envisaged TRT of Uhal-III	pH	8.0	7.80	8.42	8.42
	DO	10.0	8.6	9.5	11.8
	BOD	0.1	0.1	0.1	0.2
	TC	170	170	150	170
R. Beas D/s of conf. of TRT of Largi HEP power House	pH	7.8	7.72	7.76	8.21
	DO	9.1	9.0	9	7.9
	BOD	0.1	0.1	0.1	0.2
	TC	220	210	210	210
R.Beas, U/s Fermenta Biodil	pH	7.64	7.83	8.13	8.45
	DO	8.8	8.9	8.9	8.4
	BOD	0.1	0.1	0.1	0.2
	TC	240	210	180	130
R.Beas, D/s Fermenta Biodil	pH	7.70	7.31	7.91	8.3
	DO	8.8	8.9	8.9	8.3
	BOD	0.1	0.1	0.2	0.4
	TC	350	430	280	350
R. Parvati U/s of Damsite of Parvati-II at Pulga	pH	7.39	7.51	7.64	7.87
	DO	9.1	9.0	9.2	8.8
	BOD	0.1	0.1	0.1	0.1
	TC	84	79	79	63
R. Parvati D/s of Damsite of Parvati-II at Pulga	pH	7.73	7.47	7.68	7.76
	DO	9.1	9.0	9.2	8.8
	BOD	0.1	0.1	0.1	0.1
	TC	120	84	84	70
River Beas, U/s WPF Manali	pH	7.74	7.77	7.96	8.04
	DO	9.1	9.1	9	10.3
	BOD	0.1	0.1	0.1	0.2
	TC	130	150	63	110
River Beas, D/s WPF Manali	pH	7.71	7.71	7.98	8.01
	DO	9.0	9.0	8.9	10.3
	BOD	0.1	0.1	0.2	0.4
	TC	280	350	170	210
River Beas, D/s of conf. with Allaign Nalla	pH	7.59	7.72	8.07	7.52
	DO	9.0	9.0	8.9	10.2
	BOD	0.1	0.1	0.1	0.1

	TC	150	70	94	170
Allaigh Nalla before conf. with R. Beas	pH	7.62	7.34	8.4	7.44
	DO	9.1	9.2	8.9	10.1
	BOD	NIL	0.1	0.1	0.1
	TC	130	110	70	130
River Beas, D/s of conf. with Dohangan Nalla	pH	7.51	7.75	8.29	7.59
	DO	9.0	9.0	8.9	10.4
	BOD	0.1	0.1	0.1	0.2
	TC	170	140	79	170
Dohangan Nalla before confluence to R. Beas	pH	7.57	7.40	7.94	7.62
	DO	9.2	9.2	8.9	10
	BOD	0.1	0.1	0.1	0.1
	TC	120	94	94	130
River Beas, U/s of conf. of R. Parvati	pH	7.78	7.73	7.88	8.15
	DO	9.4	9.3	9	8.5
	BOD	0.1	0.1	0.1	0.1
	TC	170	170	130	280
River Beas, D/s of conf. of R. Parvati	pH	8.09	7.74	7.02	8.12
	DO	9.5	9.4	9.1	8.4
	BOD	0.1	0.1	0.1	0.1
	TC	220	240	150	220
River Beas, U/s WPF Kullu	pH	8.73	7.88	7.87	8.24
	DO	9.5	9.4	9.1	8.6
	BOD	0.1	0.1	0.1	0.1
	TC	240	170	170	170
River Beas, D/s WPF Kullu	pH	7.96	7.90	7.91	8.22
	DO	9.4	9.3	9	8.5
	BOD	0.2	0.1	0.2	0.2
	TC	350	430	210	280
R. Sainj U/s Envisaged Power House Site of Parvati-II	pH	7.78	7.93	7.93	8.11
	DO	9.0	9.0	9.3	8.6
	BOD	0.1	0.1	0.1	0.1
	TC	120	170	220	120
R. Sainj D/s Envisaged Power House Site of Parvati-II	pH	7.99	7.83	7.7	8.12
	DO	9.0	8.8	9.3	8.5
	BOD	0.1	0.1	0.1	0.1
	TC	150	220	280	210
R. Sainj U/s Envisaged Power House Site of Parvati-III	pH	8.09	7.82	7.72	8.23
	DO	8.9	8.8	9.2	8.3
	BOD	0.1	0.1	0.1	0.1
	TC	130	150	170	130
R. Sainj D/s Envisaged Power House Site of Parvati-III	pH	7.84	7.72	7.91	8.26
	DO	8.9	8.8	9.2	8.3
	BOD	0.1	0.1	0.1	0.1
	TC	150	240	210	220
Spring Source ,Bheuli	pH	7.98	7.78	7.61	8.19

	DO	--	--	--	--
	BOD	NIL	NIL	NIL	NIL
	TC	<1.8	<1.8	<1.8	<1.8
Hand Pump SunderNagar	pH	7.41	7.31	8.02	7.89
	DO	--	--	--	--
	BOD	NIL	NIL	NIL	NIL
Hand Pump Ghumarvin Town	TC	<1.8	<1.8	<1.8	<1.8
	pH	7.97	7.34	7.61	8.26
	DO	--	--	--	--
Spring Source Sungal	BOD	NIL	NIL	NIL	NIL
	TC	<1.8	<1.8	<1.8	<1.8
	pH	8.0	7.82	7.99	8.46
Hand Pump Vill. Upper Badah	DO	--	--	--	--
	BOD	NIL	NIL	NIL	NIL
	TC	<1.8	<1.8	<1.8	<1.8
Hand Pump Raison	pH	7.74	7.88	8.10	8.50
	DO	--	--	--	--
	BOD	NIL	NIL	NIL	NIL
Hand Pump Rangree, opposite to Hotel River Crescent	TC	<1.8	<1.8	<1.8	<1.8
	pH	7.83	8.11	7.97	8.23
	DO	--	--	--	--
Ground Water of Tikker Boari	BOD	NIL	NIL	NIL	NIL
	TC	<1.8	<1.8	<1.8	<1.8
	pH	6.76	7.77	7.5	Sample not received
DO	--	--	--		
TC	<1.8	<1.8	<1.8		
River Ravi U/S Land Fill Site Chamba	pH	7.9	7.78	8.29	8.48
	DO	--	--	--	--
	BOD	NIL	NIL	NIL	NIL
River Ravi D/S Land Fill Site Chamba	TC	140.00	280.00	240	140
	pH	7.81	7.35	7.94	8.01
	DO	8.70	8.70	8.7	8.7
River Ravi before conf. with River Baira	BOD	0.40	0.20	0.2	0.1
	TC	150.00	350	280	150
	pH	7.88	8.02	8.05	7.98
Bhiral Khad D/S STP Palampur	DO	8.60	8.6	8.5	8.8
	BOD	0.60	0.3	0.3	0.2
	TC	150.00	350	280	150
	pH	7.86	7.52	7.78	7.86
	DO	8.70	8.3	8.7	8.7
	BOD	0.30	0.3	0.2	0.2
	TC	140.00	350	130	150
	pH	7.46	7.09	7.47	7.32
	DO	7.30	8.1	7.2	
	BOD	0.30	0.3	0.2	0.1

	TC	220.00	280		
Bhiral Khad U/S STP Palampur	pH	7.26	7.1	7.33	7.36
	DO	7.30	8.1	7.8	
	BOD	0.40	0.6	0.1	0.2
	TC		240		
River Ravi after conf. with Baira River	pH	7.61	7.84	8.37	6.98
	DO	8.60	8.7	8.6	8
	BOD	0.40	0.3	0.2	0.2
	TC	130.00	240	120	150
River Ravi D/S Dam of Chamera-I HEP	pH	7.64	7.46	8.42	7.34
	DO	8.70	8.7	8.7	8.7
	BOD	0.10	0.1	0.1	0.2
	TC	140.00	240	150	170
River Ravi D/S TRT Power House -I HEP	pH	7.68	7.34	8.47	7.48
	DO	8.80	8.6	8.8	8.8
	BOD	0.30	0.1	0.1	0.4
	TC	210.00	280	120	140
River Baira before conf. with River Ravi	pH	7.65	7.91	7.97	7.72
	DO	8.70	8.6	8.6	8.5
	BOD	0.30	0.2	0.2	0.1
	TC	140.00	220	150	150
Chouch Khad D/s Ind. Area Bain Attarian	pH	8.17	8.45	8.45	8.48
	DO	6.90	7.5	6.9	6.9
	BOD	0.20	0.2	0.4	0.4
	TC	350.00	350	240	
Chouch Khad U/s Ind. Area Bain Attarian	pH	7.73	8.42	8.48	8.45
	DO	7.20	7.6	7	6.8
	BOD	0.10	0.2	0.2	0.3
	TC	210.00	280	210	
River Satluj U/S Bhakhra	pH	8.21	7.42	8.41	7.4
	DO	7.00	6.7	7.5	7.5
	BOD	0.80	0.4	0.1	0.3
	TC	240.00	350	280	150
River Swan U/S MSW landfill Santokhgarh	pH	8.45	7.89	8.42	8.07
	DO	6.20	6.2	7.0	6.6
	BOD	1.40	1.3	0.2	0.3
	TC	280.00	350	280	210
River Swan D/S MSW land fill Santokhgarh	pH	8.09	7.94	8.37	8.14
	DO	6.10	6	7.0	6.5
	BOD	2.30	0.5	0.2	0.4
	TC	350.00	430	350	220
River Baira U/S of Dam on Baira siul HEP	pH	7.30	7.52	8.48	8.18
	DO	8.70	8.6	8.6	8.7
	BOD	0.60	0.3	0.1	0.2
	TC		280	140	140
River Baira D/S Dam on Bairasiul	pH	7.48	7.55	8.3	8.08

HEP	DO	8.80	8.6	8.7	8.7
	BOD	0.50	0.3	0.1	0.3
	TC		240	170	150
River Siul U/S Dam of Siul for BSHEP	pH	7.53	7.38	8.03	7.9
	DO	8.70	8.7	8.9	8.8
	BOD	0.40	0.2	0.1	0.5
	TC	140.00	220	120	140
River Siul D/S Dam of Siul for BSHEP	pH	7.61	7.3	8.07	7.95
	DO	8.70	8.6	8.9	8.8
	BOD	0.60	0.4	0.2	0.5
	TC	170.00	240	150	170
Baled Khad U/S of Dam on Baled for BSHEP	pH	7.44	7.08	8.45	8.01
	DO	8.90	8.6	8.8	8.8
	BOD	0.50	0.2	0.1	0.2
	TC		350	140	150
Bhaled Khad D/S Dam on Baled for BSHEP	pH	7.59	7.22	8.46	8.02
	DO	8.80	8.5	8.7	8.8
	BOD	0.20	0.4	0.2	0.4
	TC		280	170	140
River Baira before conf. of TRT of BSHEP	pH	7.51	7.39	8.37	8.02
	DO	8.70	8.4	8.9	8.6
	BOD	0.20	0.4	0.2	0.2
	TC	210.00	240	130	150
River Baira after conf. of TRT of BSHEP	pH	7.69	7.68	7.9	8.17
	DO	8.80	8.5	8.8	8.7
	BOD	0.50	0.2	0.2	0.3
	TC	150.00	280	140	140
River Ravi U/S Chamera -II	pH	7.84	7.62	8.04	7.54
	DO	8.80	8.6	8.8	8.7
	BOD	0.20	0.2	0.1	0.2
	TC	140.00	240	170	150
River Ravi D/S Chamera -II	pH	7.91	7.68	8.04	7.52
	DO	8.90	8.7	8.8	8.6
	BOD	0.30	0.1	0.1	0.2
	TC	130.00	220	170	150
River Ravi U/S of Conf. of Budhil Nallah	pH	8.06	7.31	8.37	7.69
	DO	8.70	8.8	8.9	8.6
	BOD	0.20	0.2	0.1	0.2
	TC	170.00	280	170	150
Budhil Nallah U/S Dam of Budhil HEP	pH	8.06	7.05	8.15	7.76
	DO	8.70	8.7	8.7	8.7
	BOD	0.20	0.3	0.1	0.2
	TC	170.00	240	240	150
Budhil Nallah D/S Dam of Budhil HEP	pH	8.02	7.4	8.1	7.72
	DO	8.60	8.6	8.8	8.8
	BOD	0.40	0.3	0.1	0.3

	TC	150.00	280	210	140
River Ravi D/S TRT of proposed Budhil HEP	pH	7.96	7.42	8.36	7.68
	DO	8.80	8.7	8.8	8.7
	BOD	0.50	0.4	0.2	0.3
	TC	140.00	280	220	140
River Beas U/S Pong Dam	pH	7.78	7.93	8.14	7.25
	DO	7.20	8.1	8.5	7.3
	BOD	0.20	0.1	0.2	0.2
	TC	170.00	280	220	150
U/S Swan Khad IA Sansarpur Terrace	pH		8.15		
	DO		6.2		
	BOD		0.2		
	TC		280		
D/S Swan Khad IA Sansarpur Terrace	pH	8.18	8.18	8.47	7.81
	DO	7.40	6.4	7.0	6.3
	BOD	0.60	0.2	0.2	0.5
	TC	350.00	350	350	220
Lund Khad U/s STP Jawalamukhi	pH	7.93	7.98	8.43	7.99
	DO	7.20	7.1	7.0	7
	BOD	0.90	0.3	0.2	0.2
	TC	140.00	280	170	
Lund Khad D/s STP Jawalamukhi	pH	7.90	7.95	8.4	8.16
	DO	7.40	7	7.0	7
	BOD	1.10	0.1	0.3	0.4
	TC	350.00	350	280	
Baner Khad U/s STP TMC	pH	7.76	7.23	8.37	7.43
	DO	7.30	8.5	7.4	8.7
	BOD	0.20	0.3	0.1	0.2
	TC	170.00	280	170	
Baner Khad D/s STP TMC	pH	7.62	7.18	8.18	7.61
	DO	7.20	8.5	7.3	8.7
	BOD	0.10	0.5	0.3	0.2
	TC	220.00	350	210	
Charan Khad U/S STP Dharamshala	pH	7.35	7.54	8.18	7.5
	DO	7.40	8.1	7.3	8.5
	BOD	0.10	0.4	0.1	0.1
	TC	170.00	430	170	
Charan Khad D/S STP Dharamshala	pH	7.52	7.37	8.07	8.5
	DO	7.20	8.1	7.2	0.3
	BOD	0.50	0.8	0.2	
	TC	240.00	540	220	
Dal Lake Naddi	pH	7.41	7.06	7.89	7.42
	DO	7.60	7.5	7.9	8
	BOD	0.60	0.2	0.2	0.3
	TC	350.00	430		
Swan River U/s Ind. Area Gagret	pH	8.04	7.98	8.32	8.25

	DO		6.1	7	7
	BOD	0.10	0.2	0.2	0.1
	TC	240.00	350	170	150
Swan River D/s Ind. Area Gagret	pH	7.64	7.94	8.42	8.25
	DO	6.00	6	7.1	6.9
	BOD	1.10	0.4	0.2	0.2
	TC	350.00	430	150	170