

WATER QUALITY OF MAJOR RIVERS IN HIMACHAL PARDESH MONITORED UNDER MINARS PROGRAMME DURING 2014-15

Results of Major Rivers (MINARS) Points from April 2014 to March 2015:

Name of location	Parameters	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15
River Pabbar U/s Dhambari	pH	7.68	7.09	7.06	--	6.16	7.55	6.57	7.71	6.77	6.80	6.20	7.06
	D.O. mg/l	8.9	9.0	9.0	--	9.8	9.3	9.0	9.0	9.8	9.8	9.7	9.5
	BOD mg/l	0.2	0.6	0.4	--	0.1	0.1	0.2	0.1	0.1	0.2	0.3	0.2
	TC	<2	3	14	--	2	16	<2	<2	<2	<2	<2	<2
River Pabbar U/s Rohru	pH	6.82	7.12	7.11	6.82	6.22	7.28	6.76	7.22	6.61	6.90	6.74	7.11
	D.O. mg/l	9.0	9.5	8.8	9.5	9.5	9.5	9.1	9.5	9.0	9.4	9.5	9.3
	BOD mg/l	0.1	0.1	0.1	0.1	0.1	0.2	0.8	0.4	0.1	0.7	0.5	0.4
	TC	3	<2	10	2	2	21	<2	<2	<2	<2	10	2
River Pabbar at Snail D/s of TRT of Swara Kuddu	pH	7.29	7.25	7.69	7.21	6.06	6.10	7.03	7.11	6.97	7.10	6.80	7.04
	D.O. mg/l	9.2	8.9	9.9	8.3	8.9	9.2	8.8	9.0	8.6	9.0	8.8	8.8
	BOD mg/l	0.1	0.2	0.3	0.2	0.2	0.1	0.2	1.0	0.4	0.7	0.7	1.0
	TC	<2	12	12	8	<2	10	<2	<2	2	<2	<2	<2
River Tons at H.P. Boundary	pH	6.88	7.01	7.41	7.88	6.12	7.49	7.52	7.05	6.87	6.88	6.94	7.01
	D.O. mg/l	9.2	9.0	9.5	8.4	8.9	9.1	8.9	8.9	8.4	9.0	8.9	8.7
	BOD mg/l	0.4	0.1	0.4	0.4	0.3	0.8	0.4	0.2	0.1	0.8	0.2	0.5
	TC	<2	<2	12	15	5	18	<2	4	5	<2	<2	<2
Ashwani khad U/s Yashwant Nagar	pH	7.93	7.88	7.81	6.71	7.30	7.83	7.13	7.37	7.69	7.92	7.34	8.04
	D.O. mg/l	8.1	10.4	7.2	7.7	7.2	8.1	7.2	6.1	8.2	8.7	8.7	8.5
	BOD mg/l	1.2	0.3	0.8	0.8	0.8	0.2	0.1	1.2	0.1	0.8	0.8	1.3
	TC	12	18	12	28	14	28	16	16	6	10	<2	9
Giri river D/s Yashwant Nagar	pH	7.02	7.89	7.84	6.82	7.53	7.64	7.32	7.20	7.28	7.71	7.56	7.94
	D.O. mg/l	7.2	8.7	7.5	8.1	7.4	7.9	7.8	6.2	8.4	7.8	9.0	8.9
	BOD mg/l	2.0	0.2	1.1	0.4	1.0	0.4	0.2	0.8	0.1	0.5	0.6	0.6
	TC	14	32	6	22	12	36	8	20	4	8	8	11
River	pH	6.87	7.17	7.72	6.80	6.64	7.80	6.80	7.29	7.26	7.41	7.21	7.27

Sukhna at Parwano	D.O. mg/l	0.0	5.6	2.4	5.8	4.6	4.3	6.0	2.4	4.3	6.7	3.6	2.6
	BOD mg/l	3.8	3.2	4.0	4.0	8.0	4.4	195.0	5.2	14.0	14.0	12.0	0.7
	TC	82	160	460	71	240	344	260	280	142	112	164	212
Lift Nala D/s MSW Processing Site, Shimla	pH	6.69	7.31	7.88	7.02	5.92	7.04	7.10	7.81	6.88	7.30	6.74	7.21
	D.O. mg/l	4.7	3.5	3.1	4.3	4.0	4.2	4.3	4.5	4.2	7.6	6.8	6.1
	BOD mg/l	12.0	4.4	7.6	1.8	2.0	12.0	4.0	0.8	3.8	3.2	2.4	2.8
	TC	74	44	124	77	68	168	28	42	56	14	10	32
River Sirsa U/s Sitomajri Nallah	pH	7.21	7.78	7.21	7.52	6.29	--	6.94	7.69	--	7.58	6.82	7.37
	D.O. mg/l	7.8	7.3	7.2	7.8	6.5	--	7.9	4.9	--	7.9	--	--
	BOD mg/l	0.5	1.8	1.6	0.5	1.4	--	1.2	0.8	--	1.2	1.2	1.8
	TC	--	--	--	--	--	--	--	--	--	--	--	--
River Sirsa D/s Nalagarh Bridge	pH	7.86	7.77	7.69	7.49	6.66	--	7.37	8.42	--	7.56	7.10	7.28
	D.O. mg/l	5.6	6.3	6.2	5.6	6.9	--	5.7	5.2	--	6	--	--
	BOD mg/l	3.0	1.6	1.8	0.8	1.8	--	4.0	1.6	--	2.6	1.8	2.1
	TC	--	--	--	--	--	--	--	--	--	--	--	--
River Sirsa D/s Nalagarh Town	pH	7.89	7.79	7.06	7.43	6.77	--	7.40	8.23	--	7.79	7.06	7.13
	D.O. mg/l	8.4	6.1	5.8	8.4	6.6	--	8.5	9.7	--	7	--	--
	BOD mg/l	0.6	1.2	3.6	0.4	1.4	--	1.1	2.4	--	1.8	1.4	2.3
	TC	--	--	--	--	--	--	--	--	--	--	--	--
Stream/Nallah at D/S of Solan MSW Dump site	pH	7.88	7.69	7.78	6.91	7.77	7.75	7.40	7.64	7.52	7.59	7.63	7.85
	D.O. mg/l	7.5	9.8	6.8	7.9	7.8	8.2	8.1	4.8	7.8	7.5	7.7	7.2
	BOD mg/l	1.8	1.1	1.6	2.0	0.8	0.6	2.4	1.2	0.2	1.0	0.8	0.7
	TC	14	24	20	48	12	48	10	18	8	4	4	4
River Yamuna U/s Paonta Sahib	pH	7.35	6.38	8.43	6.99	7.61	7.89	7.87	7.29	7.32	7.29	7.31	8.61
	DO	7.50	7.40	7.40	6.40	7.60	7.80	8.20	7.30	8.40	7.80	8.00	7.80
	BOD	1.20	1.20	0.80	1.20	1.00	1.20	1.60	1.00	1.00	1.40	1.20	1.20
	TC	19.00	20.00	18.00	19.00	20.00	21.00	19.00	18.00	20.00	17.00	18.00	20.00
River Yamuna D/s	pH	7.45	6.64	8.82	7.73	7.91	8.07	8.12	7.39	7.34	7.62	7.06	8.68
	DO	7.40	7.30	7.30	7.20	7.50	7.50	8.00	7.20	8.20	7.50	7.80	7.60

Paonta Sahib	BOD	1.50	1.00	1.20	1.60	1.60	1.60	1.80	1.20	1.80	1.60	1.60	1.40
	TC	22.00	22.00	22.00	20.00	21.00	19.00	22.00	20.00	22.00	20.00	20.00	22.00
River Bata U/s Paonta Sahib	pH	7.41	6.24	8.92	7.86	7.92	8.06	8.10	7.34	7.20	7.47	7.59	8.70
	DO	7.00	7.20	7.20	7.80	7.70	7.90	8.00	7.80	8.30	8.00	7.60	7.70
	BOD	1.60	1.20	1.00	1.20	1.00	1.00	1.20	1.10	1.00	1.00	1.20	1.60
	TC	15.00	25.00	26.00	24.00	18.00	18.00	14.00	20.00	16.00	20.00	19.00	24.00
River Bata at D/s of Paonta	pH	7.50	6.37	8.61	8.89	7.32	8.12	8.09	7.12	7.32	7.36	7.51	7.89
	DO	6.90	7.10	7.10	7.30	7.60	7.60	7.80	7.60	8.10	7.90	7.40	7.60
	BOD	1.40	1.60	1.40	1.60	1.40	1.20	1.40	1.00	1.20	1.20	1.60	1.40
	TC	14.00	28.00	27.00	25.00	12.00	19.00	16.00	18.00	18.00	24.00	21.00	26.00
River markand at Shambhu wala	pH	7.02	6.12	8.93	7.78	8.75	8.15	8.07	8.03	7.90	7.47	7.57	7.10
	DO	8.00	7.60	7.60	7.10	7.40	8.00	8.50	7.90	8.20	8.10	8.20	7.80
	BOD	1.20	1.20	1.20	1.60	1.20	0.80	1.40	1.20	1.40	1.60	1.60	1.40
	TC	18.00	20.00	21.00	18.00	8.00	16.00	14.00	16.00	14.00	28.00	25.00	24.00
River Markand a U/s Kala Amb	pH	7.42	6.48	8.13	7.96	8.15	8.08	8.15	7.36	7.94	7.43	7.76	8.38
	DO	8.30	7.80	7.80	7.30	7.50	7.90	8.00	7.70	8.30	8.40	8.50	8.00
	BOD	0.80	1.40	1.20	1.20	1.00	1.20	1.20	1.40	1.60	1.60	1.40	1.20
	TC	35.00	25.00	29.00	20.00	22.00	18.00	19.00	17.00	16.00	25.00	26.00	25.00
River M'kanda D/s Kala amb/Boundary of Haryana	pH	7.58	6.60	8.98	8.72	7.12	8.32	8.21	8.12	8.10	7.51	7.66	8.46
	DO	8.20	7.60	7.60	7.10	7.30	7.70	7.90	7.50	8.10	8.30	8.20	7.90
	BOD	1.50	1.40	1.60	1.40	1.20	1.60	1.80	1.80	1.80	1.60	1.40	1.40
	TC	29.00	26.00	25.00	20.00	14.00	22.00	22.00	18.00	20.00	29.00	28.00	26.00
River Giri U/s of CCI Mines	pH	7.54	6.18	8.13	7.52	7.14	8.73	8.16	7.29	7.20	7.88	7.64	8.42
	DO	7.60	8.40	8.40	7.80	7.70	8.20	8.20	8.20	8.50	8.00	8.20	8.00
	BOD	1.20	1.20	1.20	1.00	1.00	1.00	1.00	1.20	1.20	1.20	1.20	1.20
	TC	14.00	18.00	22.00	15.00	18.00	20.00	16.00	18.00	18.00	18.00	14.00	13.00
River Giri D/s of Sataun	pH	7.39	6.35	8.85	7.75	7.32	8.74	8.25	7.12	7.30	7.10	7.69	7.92
	DO	7.40	7.80	7.80	7.70	7.60	8.30	8.10	8.00	8.30	7.90	8.00	7.90
	BOD	1.60	1.60	1.60	1.20	1.20	1.40	1.20	1.60	1.40	1.40	1.40	1.60
	TC	14.00	16.00	15.00	16.00	16.00	19.00	18.00	20.00	20.00	15.00	16.00	16.00

Renuka Lake	pH	7.52	6.40	9.12	6.92	7.96	8.23	8.31	7.36	7.39	7.23	8.01	7.12
	DO	6.60	5.90	5.90	6.70	6.60	6.50	6.00	2.80	5.20	5.90	6.10	6.20
	BOD	1.60	1.80	2.00	1.80	1.60	2.00	2.40	5.40	2.50	2.40	2.00	2.00
	TC	27.00	36.00	34.00	22.00	18.00	26.00	25.00	30.00	24.00	14.00	44.00	36.00
U/S Slapper, River Satluj	pH	8.46	7.34	8.02	8.34	8.06	8.4	7.51	8.2	7.76	8.4	8.36	8.29
	DO	9.2	9.5	8.9	9.2	9.4	9	9.6	8.9	9.5	8	9.2	9.7
	BOD	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	280	170	280	130	280	240	170	220	180	240	130	180
D/S Slapper, Satluj River after Conf. with River Beas	pH	8.54	7.65	8.14	8.08	8.4	8.09	7.56	8.11	7.7	8.6	8.1	7.85
	DO	9.4	9.6	9	9.2	9.6	9	9.5	8.7	9	8	9.2	9.8
	BOD	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
	TC	240	180	180	180	350	280	240	280	170	280	170	240
Exit of Dehar Power House, Beas River	pH	8.46	8.05	7.68	8.24	8.44	8.26	6.78	8.53	7.81	8.95	8.2	8.2
	DO	9.1	9.0	9.3	9.4	9.4	9.1	9.9	9.2	8.7	9.1	9.2	9.9
	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	140	110	70	170	140	130	180	130	220	110	130
D/s Bilaspur at Govindsagar	pH	8.46	8.11	8.19	8.3	8.31	7.93	8.01	8.1	7.8	8.44	8.11	7.35
	DO	9.1	9.3	8.7	9.4	9.2	8.9	9.7	8.9	9.2	8.7	9	9.6
	BOD	0.5	0.4	0.7	0.2	0.1	0.1	0.3	0.3	0.1	0.3	0.3	0.2
	TC	350	350	540	350	540	350	350	540	280	540	350	350
U/s Mandi, Beas River)	pH	8.23	8.43	7.68	7.96	8.17	8.04	7.86	8.08	7.5	8.15	8.33	7.65
	DO	9.5	8.8	8.7	10.2	9.2	9.9	9	9.7	11.4	11.2	11.1	9.4
	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	920	280	130	130	220	180	140	170	130	140	94	110
D/s Mandi, Beas River	pH	8.08	8.47	7.38	7.63	8.08	7.98	7.97	8.1	7.42	7.54	8.26	8.73
	DO	9.4	9.1	7.8	10.5	8.4	10	9.5	9.8	12.2	11.1	8.9	9.8
	BOD	0.5	0.3	0.4	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.2
	TC	920	350	170	220	280	350	180	220	180	240	170	350
Rewalsar	pH	8.20	7.30	7.25	7.55	7.26	7.34	6.86	8.03	7.84	7.75	8.17	7.64

Lake	DO	5.6	3.1	2.7	6.2	2.8	2.4	5.6	7.6	5.1	6.2	3.8	4.2
	BOD	12	4	8	5.6	11	1.8	12	39.5	5.2	4	3	0.8
	TC	1600	920	1600	920	920	920	1600	≥2400	1600	920	540	540
D/s Mandi, Suketi Khudd (2607)	pH	8.56	8.06	8.37	7.62	7.94	7.84	8.29	8.07	8.15	8.46	8.59	8.18
	DO	8.5	7.0	7.4	7.6	7.3	8.4	8.4	10.1	11.2	10.6	10.2	8.8
	BOD	0.3	0.4	0.9	0.6	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.3
	TC	1600	540	1600	280	540	540	540	280	130	240	280	350
R.Beas, U/s Pandoh Dam	pH	8.13	7.88	7.7	7.55	7.89	8.19	7.69	8.26	7.73	8.13	8.09	7.86
	DO	9.7	9.0	8.7	10.3	9.1	9.1	9.8	10.3	9.5	11.4	10.6	8.6
	BOD	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	280	180	170	140	220	180	140	140	140	140	130	110
R.Beas, D/s Pandoh Dam	pH	8.18	7.88	7.76	7.41	7.9	8.2	7.64	8.12	7.49	8.04	8.45	7.68
	DO	9.8	8.4	8.1	9.7	7.9	9.6	10	10.2	11.2	11.3	11.2	9.2
	BOD	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	1600	280	240	170	280	240	280	170	170	170	180	140
R.Beas, D/s Aut	pH	8.15	7.79	7.7	7.91	7.95	7.99	7.65	8.17	7.51	7.89	8.23	7.82
	DO	9.0	9.1	9.9	8.8	9	8.7	8.9	8.1	11	9.3	9.3	8.9
	BOD	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
	TC	180	130	94	110	140	140	110	130	110	130	110	180
R.Sainj, D/s Largi	pH	8.1	7.82	7.78	7.85	8.23	7.85	8.16	7.74	7.14	7.53	8.23	7.81
	DO	8.9	9.4	9.8	9	9.2	8.5	8.7	7.8	10.9	9.8	8.9	8.7
	BOD	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1
	TC	220	170	110	94	180	170	130	180	140	140	130	170
River Parvati, U/s Manikaran	pH	8.13	7.53	8.1	8.02	8.1	7.41	8.01	8.06	7.83	7.5	8.16	8.27
	DO	9.3	9.8	9.6	9.3	9.1	9.6	9.7	9.1	10.2	9.5	9.3	9.5
	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	140	110	94	63	140	110	94	130	79	70	49	63
River Parvati, D/s Manikaran	pH	8.03	7.55	7.61	7.91	8.39	7.47	7.76	7.8	7.7	7.82	8.08	7.92
	DO	9.2	9.6	9.2	9.5	9	9.6	9.7	8.9	10.3	9.4	9.2	9.4
	BOD	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1

	TC	170	130	130	79	170	130	130	140	94	130	79	110
River Beas, U/s Manali	pH	8.28	7.73	7.98	7.87	8.16	7.79	7.9	8.09	7.21	7.56	8.02	7.68
	DO	8.9	9.2	9.8	8.5	7.5	8.3	8.9	8.8	11	10.6	10	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	130	140	140	130	240	94	110	130	94	63	63	63
River Beas, D/s Manali	pH	8.0	7.71	7.8	7.71	7.89	7.64	7.97	8.03	7.17	7.86	7.78	7.47
	DO	8.8	9.1	9.7	8.6	7.9	8.5	8.9	8.6	11	10.6	9.9	8.8
	BOD	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.2
	TC	220	240	350	280	350	180	180	180	140	170	79	130
River Beas, U/s Kullu	pH	8.18	8.17	7.78	7.83	8.03	7.81	7.26	7.93	8.18	8.12	7.79	8.28
	DO	9.0	9.6	9.1	8.5	7.6	8.7	9.1	8.6	11.2	8.9	9.9	9.5
	BOD	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.1	0.2	0.1	0.1
	TC	220	220	220	140	220	170	280	220	170	130	140	170
River Beas, D/s Kullu	pH	8.22	8.02	7.52	7.84	7.8	7.61	8.16	8.33	7.95	8.16	7.83	8.17
	DO	9.1	9.6	9.1	8.3	7.5	8.6	8.9	8.5	11.2	8.9	9.8	9.4
	BOD	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2
	TC	350	350	280	240	280	280	350	350	240	180	180	180
Parvati River, before confluence to R. Beas at Bhunter	pH	7.26	7.68	7.49	7.52	8.18	6.84	7.63	8.01	7.85	7.78	8.2	7.8
	DO	9.4	9.4	9	9.1	9.4	9.5	8.3	8.6	10.2	8.3	8.5	9.1
	BOD	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
	TC	240	220	170	220	180	220	220	280	220	170	130	180
River Satluj U/s Tattapani	pH	8.46	8.08	8.2	7.6	8.44	7.82	7.43	7.79	7.76	8.58	7.88	8.31
	DO	9.2	9.2	9.3	9.5	9.3	9.4	9.4	9.3	9.4	9.3	9.2	9.3
	BOD	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
	TC	280	180	240	180	350	240	--	--	--	--	--	--
River Satluj U/s Rampur	pH	8.07	8.06	8.18	7.59	7.59	8.15	8.19	8.51	7.84	8.63	8.14	8.05
	DO	9.3	9.3	9.4	9.1	9.2	9.3	9.6	9.4	9.5	9.6	9.5	9.4
	BOD	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
	TC	110	280	280	170	350	350	--	--	--	--	--	--
River	pH	8.33	8.15	8.25	7.7	8.2	8.02	8.09	8.07	7.49	8.52	8.09	8.15

Satluj D/s Rampur	DO	9.3	9.3	9.4	9.3	9.2	9.2	9.6	9.3	9.4	9.6	9.4	9.4
	BOD	0.3	0.3	0.2	0.1	0.4	0.3	0.1	0.1	0.1	0.2	0.1	0.2
	TC	540	350	350	280	540	350	--	--	--	--	--	--
Wangtu Bridge (Satluj at Nathpa Jhakri)	pH	8.65	8.26	8.2	8.07	8.64	8.05	7.87	8.08	7.61	8.07	8.08	8.17
	DO	9.6	9.5	9.6	9.6	9.5	9.5	9.6	9.7	9.3	9.6	9.6	9.6
	BOD	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1
	TC	170	170	110	140	240	170	--	--	--	--	--	--
River Baspa U/s reservoir at Kuppa	pH	8.36	8.04	8.34	8.06	7.75	7.65	8	8.1	7.68	8.25	7.94	7.84
	DO	9.4	9.4	9.3	8.6	8.5	8.9	9.8	9.6	9.7	9.3	9.6	9.7
	BOD	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	TC	140	140	140	130	180	220	--	--	--	--	--	--
River Satluj before conf. with River Spiti at Khab	pH	8.66	8.09	8.21	7.76	8.6	7.98	8.35	8.14	7.91	--	8.2	8.66
	DO	9.8	9.9	9.8	9.7	9.6	9.8	10.1	9.9	10.1	--	9.8	9.8
	BOD	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	--	0.1	0.2
	TC	130	110	130	180	280	180	--	--	--	--	--	130
River Spiti before conf. with River Satluj at Khab	pH	8.72	8.11	8.15	7.18	8.75	7.73	7.79	8.37	7.85	--	8.27	8.72
	DO	9.8	9.9	9.8	9.9	9.8	9.9	10	10	10.2	--	9.9	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
	TC	79	70	70	94	110	63	--	--	--	--	--	79
River Satluj after conf. with River Spiti at Khab	pH	8.69	8.13	8.18	7.65	8.76	7.89	8.31	7.68	8.06	--	8.29	8.69
	DO	9.8	9.9	9.8	9.8	9.6	9.8	10.1	9.9	10.1	--	9.9	9.8
	BOD	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	--	0.1	0.2
	TC	110	130	110	170	180	79	--	--	--	--	--	110
River Ravi D/S Chamba	pH	--	7.83	7.84	7.93	8.21	6.57	8.64	8.63	8.54	7.35	8.05	8.45
	DO	--	8.9	8.8	7.9	8.8	8.5	8.6	8.6	8.8	9.1	8.7	8.6
	BOD	--	0.3	0.2	0.4	0.3	0.9	0.5	0.6	0.3	0.5	0.4	0.3
	TC	--	--	--	--	--	--	--	--	--	--	--	--
River Ravi U/S Chamba	pH	7.87	7.8	7.39	8.15	8.95	8.67	8.73	8.55	7.26	7.71	8.32	8.42
	DO	9.0	8.7	7.8	8.6	8.6	8.7	8.5	8.7	9	8.6	8.7	8.6
	BOD	0.3	0.1	0.6	0.2	0.8	0.3	0.5	0.2	0.7	0.3	0.3	0.3

	TC	--	--	--	--	--	--	--	--	--	--	--	--
River Siul D/S Surgani	pH	8.63	7.89	8.11	8.41	8.48	8.55	8.92	8.96	7.96	8.15	8.37	7.64
	DO	8.6	8.7	7.5	8.1	8.8	8.1	8.1	8.3	8.4	8.6	10	8.8
	BOD	0.8	0.1	0.3	0.1	0.4	0.2	0.5	0.2	0.3	0.3	0.7	0.5
	TC	--	--	--	--	--	--	--	--	--	--	--	--
Chamera Reservoir stage -I	pH	7.98	7.78	8.21	8.73	8.06	8.19	8.6	8.72	7.78	7.16	8.16	7.38
	DO	8.1	8.8	7.9	8.1	8.6	8.6	8.2	8.6	8.5	8.5	8.9	8.7
	BOD	0.4	0.2	0.2	0.6	0.5	0.3	0.6	0.5	0.4	0.4	0.4	0.7
	TC	--	--	--	--	--	--	--	--	--	--	--	--
Madhopu r Head Works River Ravi	pH	7.71	7.51	7.97	8.75	8.4	8.46	8.3	8.95	7.65	8.15	8.25	8.34
	DO	7.8	7.2	7.8	7.8	7	6.9	7.2	8.7	7.9	9.2	7.8	7.9
	BOD	0.2	0.5	0.3	0.2	0.3	5.5	0.3	0.3	0.5	0.2	0.3	0.3
	TC	--	--	--	--	--	--	--	--	--	--	--	--
Khajiar Lake	pH	7.36	6.62	7.14	7.27	8.62	7.92	7.76	7.26	7.16	6.6	7.12	6.45
	DO	7.5	6.1	6.7	7.1	7.1	6.6	6.4	6.6	6.6	6.6	6.9	6.8
	BOD	18.0	65.0	18.0	26.0	5.5	3.0	32.0	18.0	8.0	9	14	4
	TC	--	--	--	--	--	--	--	--	--	--	--	--
Pong Dam Lake at Pong Village	pH	8.40	8.86	8.58	9.25	8.95	8.38	8.38	8.34	7.9	7.74	8.24	8.35
	DO	7.8	8.2	7.9	6.8	7.5	8.9	6.8	7.3	7.5	6.7	7.1	7.4
	BOD	1.0	0.5	1.4	0.8	1.8	0.4	0.6	0.2	0.3	0.4	1.0	0.6
	TC	--	--	--	--	--	--	--	--	--	--	--	--
D/S Pong Dam R. Beas	pH	8.28	8.86	8.08	8.02	8.39	8.46	8.38	7.84	7.55	8.03	8.06	8.85
	DO	7.9	8.5	7.6	7.2	7.2	8.6	7.1	7.2	5.6	7.1	7.9	7.1
	BOD	0.5	0.2	0.5	0.3	0.6	0.4	0.8	0.3	0.4	0.2	0.8	0.6
	TC	--	--	--	--	--	--	--	--	--	--	--	--
D/S Dehra River Beas	pH	8.14	8.35	8.40	7.88	8.60	8.34	8.44	8.49	8.22	6.65	8.28	8.65
	DO	7.2	7.8	7.9	8.3	7.8	7.5	7.6	7.7	7.8	8.2	7.9	7.6
	BOD	0.5	0.3	0.5	2	0.8	0.8	0.4	0.6	1.8	1.2	0.8	1
	TC	--	--	--	--	--	--	--	--	--	--	--	--
D/S	pH	8.65	8.45	7.64	8.57	8.84	8.45	7.57	8.39	8.5	8.85	7.42	8.84

Water Quality of major rivers in HP monitored under SWQM during 2014-15

April 2014				
Name of Sampling location	pH	D.O. mg/l	BOD mg/l	TC MPN/SPC per 100ml
Kaushlya River U/s Parwanoo Town	7.79	7.5	0.8	16
D/s Intake Channel of WSS	7.20	5.4	1.2	27
U/s WSS Sector –4, Parwanoo	7.01	6.10	1.4	10
U/S Sukhana Nallah	7.01	4.8	1.0	32
D/S Sukhana Nallah	6.85	2.3	1.6	162
U/s Morepan Lab	7.26	5.0	0.8	4
D/s Morepan Lab	6.01	4.2	3.4	148
Handpump Near Dhaggar, Market	6.45	–	0.1	<2
Barrier Near Taksal, Shiv Mandir	6.72	–	0.1	<2
Handpump near Total Health Care, Parwanoo	6.32	–	0.1	<2
Handpump Sec-1 Near Shivalik Hotel	7.95	–	0.1	<2
D/S WSS Kalka	6.80	0.0	4.8	148
U/s Lift Nallah before conf. to Ashwani Khad	7.15	8.2	6	42
D/s Ashwani Khad	6.39	7.1	1.8	38
Lift Nallah D/s Hotel Combermere, Shimla	7.69	5.1	10	52
Lift Nallah U/s Bridge at Bye Pass Road Near MC Waste Processing Site	6.87	4.8	14	22
D/s Chirgaon	7.76	9.2	0.1	<2
D/s Rohroo	7.44	9.1	0.3	<2
U/s Hatkoti	7.32	8.9	0.2	<2
D/s Hatkoti	6.87	9.3	0.6	6
Gummakhad U/s Chaila	7.09	8.8	0.4	<2
Groundwater at Totu	6.88	–	0.1	<2
River Sirsa D/s Sitomajri Nallah	7.17	6.7	3.2	--
River Bald U/s Land fill site at Baddi	6.86	5.1	4.2	--
River Bald D/s Landfill site at Baddi	7.07	7.1	4.8	--
River Sirsa U/s Sandholi Nallah	7.36	5.8	1.2	--
Sandholi Nallah	7.91	0.0	42.0	--

River Sirsa D/s Sandholi Nallah	7.90	5.8	2.4	--
River Sirsa U/s Housing Board Nalla	7.13	3.3	4.0	--
River Sirsa D/s Housing Board Nalla	7.53	4.6	16.0	--
Housing Board Nallah	7.46	0.1	80.0	--
River Ratta Before Conf. to River Sirsa	7.93	7.1	0.2	--
River Sirsa U/s River Ratta	7.32	6.4	7.2	--
River Sirsa D/s River Ratta	7.09	6.3	1.4	--
U/s TSDF Site at Majra (Well)	7.29	8.7	12.0	--
D/s TSDF Site at Majra (Well)	6.95	8.2	10.5	--
Gullerwala Nallah	7.16	5.2	1.2	--
D/s ACC Bar., Satluj River	8.47	8.9	0.1	180
R. Suketi U/s of conf. of dredger outfall of SNR Balancing reservoir	8.73	8.7	0.2	130
River Suketi at Dadour bridge	8.10	8.1	0.3	920
U/s Mandi, Suketi Khudd	8.42	8.0	0.1	280
U/s Darang Salt Mine	8.95	8.6	0.4	31
D/s Darang Salt Mine	8.98	7.8	1.0	110
River Beas, U/s of conf. of envisaged TRT of UHL-III	8.71	10.4	0.1	140
River Beas, D/s of conf. of envisaged TRT of UHL-III	8.63	10.1	0.1	180
R.Beas, D/s of conf.of TRT of Largi HEP power house.	8.12	8.7	0.1	130
River Beas, U/s Fermenta Biodil.	8.34	9.2	0.1	240
River Beas, D/s Fermenta Biodil.	8.18	9.0	0.2	350
R. Parvati U/s of Dam site of Parvati-II at Pulga	8.01	9.0	0.1	27
R. Parvati D/s of Dam site of Parvati-II at Pulga	7.92	9.0	0.1	33
R.Beas, U/s Waste processing facility, Manali.	8.07	9.1	0.2	280
R.Beas, D/s Waste processing facility, Manali.	7.95	9.1	0.3	540
R.Beas, D/s of confluence with Allaign Nalla.	8.25	8.9	0.1	180
Allaign Nalla before confluence with R.Beas	8.80	8.4	0.1	110
R.Beas, D/s confluence with Duhangan Nalla.	8.03	9.0	0.1	170
Duhangan Nalla before confluence with R.Beas	8.09	8.6	0.1	130
R.Beas, U/s of confluence of R.Parvati	7.98	9.2	0.1	350
R.Beas, D/s of confluence of R.Parvati	7.97	9.5	0.2	540
R.Beas, U/s Waste processing facility Kullu.	8.55	9.3	0.2	540
R.Beas, D/s Waste processing facility Kullu.	8.05	9.2	0.2	920
R.Sainj, U/s envisaged power house site of Parvati-II.	8.16	9.9	0.1	110

R.Sainj, D/s envisaged power house site of Parvati-II.	8.27	9.1	0.1	130
R.Sainj, U/s envisaged power house site of Parvati - III.	8.65	10.0	0.1	140
R.Sainj,, D/s envisaged power house site of Parvati - III.	8.38	9.3	0.1	180
River Satluj U/s Landfill Site Rampur	8.42	9.4	0.2	280
River Satluj D/s Landfill Site Rampur	8.49	9.4	0.3	350
R. Satluj D/s Duttanagar, D/s envisaged conf. of TRT of RHEP	8.38	9.2	0.1	240
River Satluj U/s TRT of Nathpa Jhakri Project	7.82	9.4	0.1	180
River Satluj D/s TRT of Nathpa Jhakri Project	8.01	9.4	0.2	240
River Satluj U/s confluence with Ganvi Khad	8.38	9.3	0.1	240
River Satluj D/s confluence with Ganvi Khad	7.69	9.3	0.3	220
Ganvi Khad before confluence to River Satluj	8.01	9.2	0.1	170
River Satluj D/s NJPC Dam Nathpa	8.21	9.5	0.1	140
River Satluj U/s confluence with Sorang Khad	8.50	9.5	0.1	220
River Satluj D/s confluence with Sorang Khad	8.40	9.5	0.2	180
River Sorang before confluence to River Satluj	8.42	9.2	0.1	140
Karcham Dam	8.56	9.7	0.2	280
Baspa River Baspa Project	7.78	9.3	0.1	240
River Baspa D/s reservoir at Kuppa	7.94	9.7	0.2	180
River Tidong before conf. to River Satluj	8.61	9.4	0.1	170
River Satluj U/s conf. with River Tidong	8.38	9.6	2.0	220
River Satluj D/s conf. with River Tidong	8.13	9.6	2.0	180
Spring Source, Bheuli	8.18	--	Nil	>2
Hand Pump SunderNagar	8.7	--	Nil	>2
Hand Pump at Ghumarvin Town	8.49	--	Nil	>2
Spring Source at Sungal	7.58	--	Nil	>2
Hand Pump at vill. Upper Badah	8.59	--	Nil	>2
Hand Pump at Raison	8.6	--	Nil	>2
Hand Pump Rangree, opposite to Hotel River Crescent	7.48	--	Nil	>2
Ground water of Tikker Boari	8.66	--	Nil	>2
Well at Jaisinghpur	6.49	--	0.10	--
Well at Sai	5.54	--	1.20	--
Well at Khaira	6.71	--	0.60	--
Well at Paprola	7.47	--	0.10	--
Well at Baijnath	7.28	--	0.30	--

Bhiral Khad D/S STP Palampur	7.72	7.1	0.40	–
Bhiral Khad U/S STP Palampur	8.24	7.4	0.20	–
Well at Rajiana	7.20	–	0.40	–
River Ravi U/S Land Fill Site Chamba	7.96	9.1	0.50	–
River Ravi D/S Land Fill Site Chamba	8.03	9.0	0.40	–
River Baira before conf. with River Ravi	7.72	8.7	0.60	–
River Baira after conf. with River Ravi	7.29	8.0	0.20	–
River Siul U/S Dam of Siul for BSHEP	8.89	9.0	0.20	–
River Siul D/S Dam of Siul for BSHEP	8.74	8.9	0.80	–
River Ravi U/S Chamera -II	7.87	8.8	0.60	–
River Ravi D/S Chamera -II	7.67	8.9	0.40	–
River Ravi U/S of Conf. of Budhil Nallah	7.64	8.9	0.20	–
River Ravi D/S TRT of proposed Budhil HEP	7.49	9.0	0.60	–
Budhil Nallah U/S Dam of Budhil HEP	7.46	8.8	3.00	–
Budhil Nallah D/S Dam of Budhil HEP	7.33	8.7	4.00	–
River Ravi D/S Dam of Chamera-I HEP	7.58	8.5	0.80	–
River Ravi D/S TRT Power House -I HEP	7.78	8.5	0.50	–
Chouch Khad U/s Ind. Area Bain Attarian	8.40	7.2	1.00	–
Chouch Khad D/s Ind. Area Bain Attarian	8.45	7.0	0.60	–
River Satluj U/S Bhakhra	7.83	9.3	0.40	–
River Swan U/S MSW landfill Santokhgarh	8.05	6.5	1.00	–
River Swan D/S MSW land fill Santokhgarh	8.05	6.2	2.50	–
Well at Ind. Area Gagret	8.15	–	0.40	–
Well at Ind. Area Amb	7.86	–	1.60	–
Swan River U/S I.A. Gagret	8.23	6.7	0.60	–
Swan River D/S I.A. Gagret	8.22	6.5	0.30	–
River Ravi before conf. with River Baira	8.46	8.8	1.00	–
Bhaled Khad D/S Dam on Baled for BSHEP	8.47	9.0	0.20	–
River Baira D/S Dam on Baira for BSHEP	8.28	8.7	0.20	–
River Baira U/S Dam on Baira for BSHEP	8.15	8.8	0.10	–
River Baira after conf. of TRT of Power House of BSHEP	8.19	8.6	0.20	–
River Baira before conf. of TRT of Power House of BSHEP	8.36	8.7	0.30	–
River Beas U/S Pong Dam	8.48	7.5	0.80	–
U/S Swan Khad	8.04	6.9	0.40	–

D/S Swan Khad	7.73	6.7	0.30	–
Baled Khad U/S of Dam on Baled for BSHEP	7.88	8.8	0.30	–
Dal Lake Naddi	7.20	6.6	4.20	–
Charan Khad U/S STP Dharamshala	8.05	6.7	0.30	–
Charan Khad D/S STP Dharamshala	8.17	6.8	0.50	–
Well at Khouli	7.46	–	0.20	–
Baner Khad U/s STP TMC	7.93	7.6	0.30	–
Baner Khad D/s STP TMC	7.95	7.8	0.40	–
Well at Purana Kangra	7.35	–	0.20	–
Well at Jawalaji	7.27	–	0.40	–
Lund Khad U/s STP Jawalamukhi	7.96	6.1	9.00	–
Lund Khad D/s STP Jawalamukhi	8.15	6.2	9.50	–
River Yamuna U/stream of Ranbaxy, Paonta Sahib	7.28	7.2	1.2	21.0
River Yamuna D/stream of Ranbaxy, Paonta Sahib	7.37	7.1	1.5	20.0
River Yamuna U/stream of Land Fill Site, Paonta Sahib	7.25	5.8	1.3	28.0
River Yamuna D/stream of Land Fill Site, Paonta Sahib	7.20	6.2	1.6	24.0
River Markanda U/stream of Markanda bridge, Kala Amb	7.50	8.4	1.4	30.0
River Markanda U/stream of Jattan Walla Nullah	7.63	8.2	1.6	25.0
Jattan Wala Nullah	6.67	Int.	90.0	62.0
D/stream of Jattan Wala Nullah	6.55	Int.	60.0	49.0
July 2014				
Kaushlya River U/s Parwanoo Town	6.65	7.3	0.1	24
D/s Intake Channel of WSS	7.21	7.8	0.6	48
U/s WSS Sector –4, Parwanoo	6.99	7.9	0.8	68
D/s WSS Kalka	7.29	5.9	18.0	210
U/S Sukhana	7.18	6.7	1.6	28
D/s Sukhana	7.20	7.2	10.0	32
U/s Morepan Lab	6.87	6.6	0.8	16
D/s Morepan Lab	7.15	9.5	12.0	38
River Sirsa D/s Sitomajri Nallah	7.28	6.7	0.2	–
River Bald U/s Land fill site at Baddi	7.26	5.1	1.6	–
River Bald D/s Landfill site at Baddi	7.12	7.1	2.0	–
River Sirsa U/s Sandholi Nallah	6.96	5.8	0.8	–
Sandholi Nallah	6.25	0.0	8.0	–
River Sirsa D/s Sandholi Nallah	6.95	5.8	1.2	–
River Sirsa U/s Housing Board Nalla	7.11	3.3	1.2	–
River Sirsa D/s Housing Board Nalla	7.07	4.6	1.4	–
Housing Board Nallah	7.28	0.1	10.0	–
River Ratta Before Conf. to River Sirsa	7.16	7.1	10.5	–

River Sirsa U/s River Ratta	6.66	6.4	2.4	–
River Sirsa D/s River Ratta	6.54	6.3	1.4	–
River Sirsa U/s Manpura Nallah	6.91	6.1	1.2	–
River Sirsa D/s Manpura Nallah	7.06	6.3	1.4	–
River Sirsa U/s Khera Nallah	7.20	5.9	2.2	–
Khera Nallah	7.00	7.1	12.0	–
River Sirsa D/s Khera Nallah	7.40	6.8	1.0	–
Gullerwala Nallah	7.09	5.2	4.0	–
Manpura Nallah	6.73	5.6	4.8	–
Lift Nallah D/s Hotel Combermere, Shimla	6.93	4.6	14.0	110
Lift Nallah U/S Bridge at bye pass Road near waste processing site Shimla U/s MC shimla	7.09	4.4	8.0	94
U/s Lift Nallah before Conf. to Ashwani Khad	6.85	7.6	1.6	39
D/s of Ashwani Khad (after.conf.of lift nallah)	6.69	7.0	1.2	42
Ground water of Totu	6.79	5.5	0.1	4
River Pabbar D/s Rohru	6.70	9.3	0.4	10
River Pabbar U/s Hatkoti	6.65	8.0	0.3	10
River Pabbar D/s Hatkoti	7.11	7.8	0.6	12
River Pabbar U/s Chailla	6.86	7.2	0.3	18
River Satluj U/S Bhakhra	9.54	7.7	0.40	–
River Swan U/S MSW Landfill site at Santokhgarh	9.52	6.2	0.70	–
River Swan D/S MSW Landfill site at Santokhgarh	9.13	6.0	0.70	–
Well at Ind. Area Amb	9.01	–	0.30	–
Swan River U/S I.A Gagret	9.33	5.7	0.50	–
Swan River D/S I.A Gagret	9.29	5.5	0.60	–
Well at Ind. Area gagret	8.57	–	1.00	–
River Beas U/S Pong Dam	9.62	6.9	0.60	–
Swan Khad U/S Suraj Ind.	8.57	6.8	14.00	–
Swan Khad D/S Suraj Ind.	8.34	6.5	34.00	–
R. Ravi U/s landfill Chamba	8.26	8.7	0.30	–
R. Ravi D/s landfill Chamba	8.02	8.5	0.40	–
River Ravi U/S Dam Chamera-II HEP	8.25	8.9	0.20	–
River Ravi D/S Dam Chamera II HEP	8.30	8.8	0.20	–
Baira River U/S Dam on Baira Siul HEP	8.30	8.6	0.30	–
Baira River D/S Dam on Baira Siul HEP	8.39	8.5	0.10	–
Siul River U/S Dam of Siul of Baira Siul HEP	8.46	8.7	0.50	–
Siul River U/S Dam of Siul of Baira Siul HEP	8.52	8.6	0.40	–
Bhaled Khad U/S Dam on Bhaled on Baira Siul HEP	8.21	8.2	0.20	–
Bhaled Khad D/S Dam on Bhaled on Baira Siul HEP	8.44	8.0	0.20	–
Baira River before conf. of TRT of Baira Siul HEP	8.63	8.5	0.60	–
Baira Riverafter conf. of TRT of Baira Siul HEP	8.34	8.2	0.20	–
River Ravi before conf. with Baira River	8.38	8.4	0.50	–
River Ravi after conf. with Baira River	8.64	7.9	0.20	–
Baira River before conf. with River Ravi	8.44	8.0	0.30	–
River Ravi D/S Dam Chamera-I HEP	8.84	8.3	0.70	–

River Ravi D/S TRT Power House -I HEP	8.71	8.2	0.40	–
Well at Paprola	8.59	–	0.30	–
Well at Baijnath	7.72	–	0.30	–
Bhiral Khad D/S STP Palampur	7.64	7.0	9.20	–
Bhiral Khad U/S STP Palampur	8.16	7.0	2.00	–
Dal Lake Naddi	7.71	6.2	3.20	–
Charan Khad U/S STP D/sala	8.56	7.2	0.40	–
Charan Khad D/S STP D/sala	8.61	7.1	2.80	–
Well at Rajiana	7.42	–	0.20	–
Well at Khouli	6.69	–	0.20	–
Baner Khad U/S STP Tanda	7.87	7.0	0.2	–
Baner Khad D/S STP Tanda	8.08	6.9	0.30	–
Well at Purana Kangra	7.60	–	0.30	–
Well at Sai	6.46	–	0.10	–
Well at Jaisinghpur	7.50	–	0.30	–
Well at Khaira	8.16	–	0.30	–
River Ravi U/S of Conf. of Budhil Nallah	8.12	8.2	0.60	–
River Ravi D/S TRT of Budhil Nallah	8.67	8.4	0.60	–
Budhil Nallah U/S Budhil HEP	8.77	8.1	3.00	–
Budhil Nallah D/S Budhil HEP	8.64	8.2	1.00	–
Lund Khad U/S STP J/mukhi	7.53	8.1	0.80	–
Lund Khad D/S STP J/mukhi	7.84	7.9	0.50	–
Well at Jawalamukhi	7.60	–	0.30	–
D/s ACC Bar., Satluj River	7.86	9.2	0.1	240
R. Suketi U/s of conf. of dregger outfall of SNR Balancing reservior	8.02	7.4	0.2	220
River Suketi at Dadour bridge	7.58	10.2	0.5	350
U/s Mandi, Suketi Khudd	7.74	7.2	0.2	280
U/s Darang Salt Mine	7.78	6.5	0.1	79
D/s Darang Salt Mine	8.06	7.3	0.1	110
River Beas, U/s of conf. of envisaged TRT of UHL-III	8.13	7.6	0.1	70
River Beas, D/s of conf. of envisaged TRT of UHL-III	8.24	7.3	0.1	79
R.Beas, D/s of conf.of TRT of Largi HEP power house.	7.65	9.1	0.2	130
River Beas, U/s Fermenta Biodil.	7.39	8.7	0.1	240
River Beas, D/s Fermenta Biodil.	7.79	8.7	0.1	350
R. Parvati U/s of Dam site of Parvati-II at Pulga	7.47	9.0	0.1	63
R. Parvati D/s of Dam site of Parvati-II at Pulga	7.20	9.0	0.1	70
R.Beas, U/s Waste processing facility, Manali.	7.12	8.7	0.1	280
R.Beas, D/s Waste processing facility, Manali.	7.27	8.7	0.1	540
R.Beas, D/s of confluence with Allaign Nalla.	7.67	8.7	0.1	180
Allaign Nalla before confluence with R.Beas	7.74	8.8	0.1	46
R.Beas, D/s confluence with Duhangan Nalla.	8.23	8.8	0.1	140
Duhangan Nalla before confluence with R.Beas	7.52	8.6	0.1	49
R.Beas, U/s of confluence of R.Parvati	7.94	8.5	0.2	170

R.Beas, D/s of confluence of R.Parvati	7.25	8.4	0.2	220
R.Beas, U/s Waste processing facility Kullu.	8.16	8.4	0.2	280
R.Beas, D/s Waste processing facility Kullu.	8.30	8.4	0.2	350
R.Sainj, U/s envisaged power house site of Parvati-II.	8.09	8.7	0.1	130
R.Sainj, D/s envisaged power house site of Parvati-II.	7.59	8.6	0.1	180
R.Sainj, U/s envisaged power house site of Parvati - III.	7.52	8.5	0.1	170
R.Sainj,, D/s envisaged power house site of Parvati - III.	7.60	8.6	0.2	220
River Satluj U/s Landfill Site Rampur	7.92	9.2	0.1	350
River Satluj D/s Landfill Site Rampur	7.97	9.4	0.1	540
R. Satluj D/s Duttanagar, D/s envisaged conf. of TRT of RHEP	7.82	9.1	0.1	350
River Satluj U/s TRT of Nathpa Jhakri Project	7.48	9.1	0.1	280
River Satluj D/s TRT of Nathpa Jhakri Project	7.9	9.0	0.1	280
River Satluj U/s confluence with Ganvi Khad	8.36	9.3	0.1	170
River Satluj D/s confluence with Ganvi Khad	8.25	9.3	0.1	140
Ganvi Khad before confluence to River Satluj	8.17	9.2	0.1	130
River Satluj D/s NJPC Dam Nathpa	8.3	9.4	0.1	180
River Satluj U/s confluence with Sorang Khad	7.15	9.4	0.1	70
River Satluj D/s confluence with Sorang Khad	7.84	9.4	0.1	79
River Sorang before confluence to River Satluj	7.54	9.3	0.1	63
River Satluj U/s Baspa TRT	A	P	E	N
Karcham Dam	7.53	9.4	0.1	170
Baspa River Baspa Project	7.52	8.7	0.1	180
River Baspa D/s reservoir at Kuppa	7.23	8.6	0.1	220
River Tidong before conf. to River Satluj	7.56	9.6	0.1	49
River Satluj U/s conf. with River Tidong	7.39	9.30	0.1	70
River Satluj D/s conf. with River Tidong	8.02	9.3	0.2	94
Spring Source, Bheuli	7.99	--	0.1	>2
Hand Pump SunderNagar	7.21	--	0.2	>2
Hand Pump at Ghumarvin Town	7.76	--	NIL	>2
Spring Source at Sungal	7.75	--	NIL	>2
Hand Pump at vill. Upper Badah	7.55	--	NIL	>2
Hand Pump at Raison	7.69	--	0.1	>2
Hand Pump Rangree, opposite to Hotel River Crescent	7.61	--	NIL	>2
Ground water of Tikker Boari	8.08	--	NIL	>2
River Yamuna U/stream of Ranbaxy,Paonta Sahib	6.78	7.20	1.20	20
River Yamuna D/stream of Ranbaxy, Paonta Sahib	6.89	7.10	1.40	21
River Yamuna U/stream of Land Fill Site, Paonta Sahib	8.50	8.00	1.20	18
River Yamuna D/stream of Land Fill Site, Paonta Sahib	7.74	7.80	1.40	21

River Markanda U/stream of Markanda bridge, Kala Amb	8.41	7.20	1.60	21
River Markanda U/stream of Jattan Walla Nullah	6.56	7.00	1.40	22
Jattan Wala Nullah	7.16	1.90	58.00	60
D/stream of Jattan Wala Nullah	8.72	4.90	15.00	41
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D/s ACC Bar., Satluj River	7.95	9.5	0.1	280
R. Suketi U/s of conf. of dregger outfall of SNR Balancing reservior	7.66	8.4	0.1	140
River Suketi at Dadour bridge	8.08	8.6	0.1	350
U/s Mandi, Suketi Khudd	8.54	8.4	0.2	280
U/s Darang Salt Mine	8.72	7.9	0.2	63
D/s Darang Salt Mine	8.84	7.7	0.2	70
River Beas, U/s of conf. of envisaged TRT of UHL-III	8.16	9.8	0.1	130
River Beas, D/s of conf. of envisaged TRT of UHL-III	8.15	10.2	0.1	140
R.Beas, D/s of conf.of TRT of Largi HEP power house.	8.14	9.2	0.1	180
River Beas, U/s Fermenta Biodil.	7.75	9.0	0.1	220
River Beas, D/s Fermenta Biodil.	7.87	9.0	0.2	280
R. Parvati U/s of Dam site of Parvati-II at Pulga	7.51	9.5	0.1	79
R. Parvati D/s of Dam site of Parvati-II at Pulga	7.88	9.5	0.2	94
R.Beas, U/s Waste processing facility, Manali.	7.58	9.1	0.2	180
R.Beas, D/s Waste processing facility, Manali.	7.68	9.1	0.2	280
R.Beas, D/s of confluence with Allaign Nalla.	7.41	9.0	0.1	130
Allaign Nalla before confluence with R.Beas	8.40	8.7	0.1	63
R.Beas, D/s confluence with Duhangan Nalla.	7.68	8.6	0.1	140
Duhangan Nalla before confluence with R.Beas	7.73	8.6	0.1	49
R.Beas, U/s of confluence of R.Parvati	7.80	8.4	0.1	170
R.Beas, D/s of confluence of R.Parvati	7.59	8.3	0.1	180
R.Beas, U/s Waste processing facility Kullu.	7.27	8.6	0.1	220
R.Beas, D/s Waste processing facility Kullu.	7.66	8.6	0.1	350
R.Sainj, U/s envisaged power house site of Parvati-II.	7.97	8.6	0.1	110
R.Sainj, D/s envisaged power house site of Parvati-II.	7.44	8.6	0.1	140
R.Sainj, U/s envisaged power house site of Parvati - III.	8.31	8.3	0.1	110
R.Sainj,, D/s envisaged power house site of Parvati - III.	8.33	8.3	0.1	130
River Satluj U/s Landfill Site Rampur	8.01	9.6	0.1	–
River Satluj D/s Landfill Site Rampur	8.11	9.6	0.1	–
R. Satluj D/s Duttanagar, D/s envisaged conf. of TRT of RHEP	7.89	9.4	0.1	–
River Satluj U/s TRT of Nathpa Jhakri Project	8.12	9.7	0.1	–
River Satluj D/s TRT of Nathpa Jhakri Project	7.95	9.7	0.1	–
River Satluj U/s confluence with Ganvi Khad	8.02	9.5	0.2	–
River Satluj D/s confluence with Ganvi Khad	7.87	9.5	0.2	–
Ganvi Khad before confluence to River Satluj	7.61	9.3	0.1	–

River Satluj D/s NJPC Dam Nathpa	7.84	9.6	0.1	–
River Satluj U/s confluence with Sorang Khad	8.19	9.6	0.1	–
River Satluj D/s confluence with Sorang Khad	8.24	9.6	0.1	–
River Sorang before confluence to River Satluj	8.67	9.4	0.1	–
Karcham Dam	8.41	9.8	0.2	–
Baspa River Baspa Project	8.08	9.7	0.1	–
River Baspa D/s reservoir at Kuppa	7.83	9.7	0.1	–
River Tidong before conf. to River Satluj	7.78	9.6	0.1	–
River Satluj U/s conf. with River Tidong	8.39	9.8	0.1	–
River Satluj D/s conf. with River Tidong	8.43	9.8	0.2	–
Spring Source, Bheuli	8.23	--	0.1	>2
Hand Pump SunderNagar	7.86	--	0.1	>2
Hand Pump at Ghumarvin Town	7.09	--	Nil	>2
Spring Source at Sungal	7.84	--	Nil	>2
Hand Pump at vill. Upper Badah	8.53	--	Nil	>2
Hand Pump at Raison	8.30	--	0.1	>2
Hand Pump Rangree, opposite to Hotel River Crescent	7.94	--	Nil	>2
Ground water of Tikker Boari	8.27	--	Nil	>2
Bhiral Khad D/S STP Palampur	7.96	7.9	0.90	–
Well at Baijnath	8.02	–	0.40	–
Well at Paprola	7.23	–	0.40	–
Dal Lake Naddi	7.78	6.7	0.80	–
Charan Khad U/S STP D/sala	8.35	7.2	0.80	–
Charan Khad D/S STP D/sala	8.5	7.2	1.20	–
Well at Rajiana	8.41	–	0.60	–
Well at Khouli	7.91	–	0.20	–
Baner Khad U/S STP TMC	8.75	7.3	0.30	–
Baner Khad D/S STP TMC	8.3	7.4	0.50	–
Well at Purana Kangra	6.87	–	0.30	–
River Satluj U/S Bhakhra	9.8	6.6	0.20	–
River Swan U/S MSW landfill Santokhgarh	9.47	6.0	0.50	–
River Swan D/S MSW land fill Santokhgarh	8.7	6.0	0.30	–
Well at Ind. Area Amb	8.7	–	0.40	–
Swan River D/S I.A. Gagret	8.69	6.5	0.20	–
Swan River U/S I.A. Gagret	8.56	6.3	0.20	–
Well at Ind. Area Gagret	7.93	–	0.10	–
Well at Jaisinghpur	8.46	–	2.00	–
Well at Khaira	9.6	–	0.30	–
Well at Sai	9.2	–	0.30	–
Lund Khad U/S STP J/mukhi	8.49	6.8	1.50	–
Lund Khad D/S STP J/mukhi	7.78	6.8	2.00	–
Well at Jawalamukhi	8.68	–	0.50	–
River Beas U/S Pong Dam	8.95	6.8	0.80	–
Swan Khad U/S Ind. Area Sansarpur Terrace	8.58	5.8	0.40	–
Swan Khad D/S Ind. Area Sansarpur Terrace	8.02	5.2	12.0	–
Chouch Khad U/s Ind. Area Bain Attarian	8.82	7.3	0.6	–
Chouch Khad D/s Ind. Area Bain Attarian	8.54	6.8	8.0	–

River Ravi U/S Land Fill Site Chamba	8.28	8.6	0.4	–
River Ravi D/S Land Fill Site Chamba	8.72	8.5	0.7	–
River Ravi U/s conf. of Baira River	8.75	8.7	0.3	–
River Ravi D/s of its conf. with Baira River	8.24	8.2	0.4	–
Bhaled Khad D/S Dam on Baled for Baira Siul HEP	8.48	8.6	0.2	–
Bhaled Khad U/S Dam on Baled for Baira Siul HEP	8.67	8.5	0.4	–
River Baira U/S Dam on Baira of BSHEP	8.68	8.4	0.2	–
River Baira U/S Dam on Baira of BSHEP	8.53	8.3	0.4	–
River Baira before conf. of TRT of power House	8.98	8.0	0.6	–
River Baira after conf. of TRT of power House	8.97	8.3	0.4	–
River Baira befor conf. ofRiver Ravi	8.72	8.6	0.3	–
River Siul U/S Dam on Siul for Baira Siul HEP	8.8	8.6	0.2	–
River Siul D/S Dam on Siul for Baira Siul HEP	8.79	8.5	0.3	–
River Ravi D/S Dam Chamera-I	8.95	8.0	0.5	–
River Ravi D/S TRT Power House Stage-I	8.96	8.4	0.5	–
River Ravi U/S of Conf. of Budhil Nallah	7.99	8.7	0.6	–
River Ravi D/S TRT of Budhil HEP	8.46	8.6	0.1	–
Budhil Nallah U/S of dam of proposed Budhil HEP	8.42	8.5	0.6	–
River Ravi U/S Dam Chamera-II HEP	8.64	8.8	0.1	–
River Ravi D/S Dam Chamera II HEP	8.53	8.2	0.1	–
River Yamuna U/stream of Ranbaxy,Paonta Sahib	8.06	8.2	1.2	20
River Yamuna D/stream of Ranbaxy, Paonta Sahib	8.13	8.0	1.6	19
River Yamuna U/stream of Land Fill Site, Paonta Sahib	7.88	8.3	1.2	23
River Yamuna D/stream of Land Fill Site, Paonta Sahib	8.26	8.1	1.5	19
River Markanda U/stream of Markanda bridge, Kala Amb	8.15	7.9	1.5	19
River Markanda U/stream of Jattan Walla Nullah	8.33	6.9	1.6	23
Jattan Wala Nullah	8.51	Int.	120.0	58
D/stream of Jattan Wala Nullah	8.36	2.9	25.0	45
River Sirsa D/s Sitomajri Nallah	6.98	6.9	1.6	–
River Bald U/s Land fill site at Baddi	6.55	5.3	0.2	–
River Bald D/s Landfill site at Baddi	6.61	7.3	0.4	–
River Sirsa U/s Sandholi Nallah	7.11	5.9	0.4	–
Sandholi Nallah	6.66	0.1	112.5	–
River Sirsa D/s Sandholi Nallah	6.88	5.9	2.0	–
River Sirsa U/s Housing Board Nalla	7.27	3.4	1.6	–
River Sirsa D/s Housing Board Nalla	7.10	4.7	2.4	–
Housing Board Nallah	7.14	0.1	27.5	–
River Ratta Before Conf. to River Sirsa	7.31	7.2	2.2	–
River Sirsa U/s River Ratta	7.07	6.5	1.0	–
River Sirsa D/s River Ratta	7.04	6.40	0.6	–
U/s TSDF Site at Majra (Well)	7.31	6.9	0.1	–

D/s TSDF Site at Majra (Well)	7.26	6.9	0.2	–
River Sirsa U/S Manpura Nallah	7.03	6.2	1.8	–
Manpura Nallah	6.78	5.8	2.8	–
River Sirsa D/S Manpura Nallah	7.03	6.4	2.0	–
Handpump at house of Sh Guru Bhaksh	6.83	–	0.1	–
Well at house of Sh Rana Village	6.87	–	0.1	–
Well at house of Sh Gurudyal	7.52	–	0.1	–
Handpump at house of Sh Balvinder	7.49	–	0.1	–
River Sirsa U/S Khera Nallah	7.05	6.0	0.6	–
River Sirsa D/S Khera Nallah	7.04	6.9	4.0	–
Kaushlya River U/s Parwanoo Town	7.66	8.8	0.8	10
Kaushalya River D/s Intake Channel of WSS	7.30	9.1	1.1	12
Sukhana Nallah U/s WSS Sector –4, Parwanoo	7.36	7.6	0.2	12
Sukhana Nallah U/S Sukhana Nallah	6.91	7.8	1.0	14
Sukhana Nallah D/S Sukhana Nallah (DSS WSS kalka)	6.75	6.2	4.0	42
Masulkhana Nallah U/s Morepan Lab	7.55	7.9	0.2	<2
Masulkhana Nallah D/s Morepan Lab	6.89	5.7	2.1	48
Handpump Near Dhaggar, Market	8.67	–	0.1	<2
Handpump near Total Health Care, Parwanoo	8.54	–	0.1	<2
Handpump Sec-1 Near Shivalik Hotel	8.78	–	0.1	Nil
U/s Lift Nallah before conf. to Ashwani Khad	7.06	8.9	2.0	12
D/s Ashwani Khad	6.81	8.2	3.2	20
Lift Nallah D/s Hotel Combermere, Shimla	7.13	4.5	4.4	18
Lift Nallah U/s Bridge at Bye Pass Road Near MC Waste Processing Site	7.10	4.3	3.8	22
River Pabbar D/s Chirgaon	6.80	8.5	0.4	<2
River Pabbar D/s Rohroo	6.15	8.4	0.8	<2
River Pabber U/s Hatkoti	7.46	8.6	2.0	<2
River Pabber D/s Hatkoti	7.60	8.7	0.4	<2
Gummakhad U/s Chaila	7.56	8.4	1.0	<2
Groundwater at Totu	7.33	4.1	0.1	Nil
January 2015				
D/s ACC Bar., Satluj River	8.94	8.2	1.3	280
R. Suketi U/s of conf. of dregger outfall of SNR Balancing reservior	8.56	8.7	0.1	130
River Suketi at Dadour bridge	8.48	10.2	0.1	350
U/s Mandi, Suketi Khudd	8.16	9.7	0.1	220
U/s Darang Salt Mine	8.18	8.4	0.1	140
D/s Darang Salt Mine	8.55	8.7	0.1	180
River Beas, U/s of conf. of envisaged TRT of UHL-III	8.52	12.3	0.1	130
River Beas, D/s of conf. of envisaged TRT of UHL-III	8.44	12.5	0.1	140
R.Beas, D/s of conf.of TRT of Largi HEP power house.	8.17	9.4	0.1	180
River Beas, U/s Fermenta Biodil.	7.71	9.5	0.1	220

River Beas, D/s Fermenta Biodil.	7.94	9.4	0.2	280
R.Beas, U/s Waste processing facility, Manali.	7.65	10.7	0.1	350
R.Beas, D/s Waste processing facility, Manali.	7.46	10.7	0.1	540
R.Beas, D/s of confluence with Allaign Nalla.	7.69	10.8	0.1	170
Allaign Nalla before confluence with R.Beas	7.49	10.4	0.1	63
R.Beas, D/s confluence with Duhangan Nalla.	7.54	10.7	0.1	180
Duhangan Nalla before confluence with R.Beas	7.63	10.3	0.1	49
R.Beas, U/s of confluence of R.Parvati	8.13	8.4	0.1	180
R.Beas, D/s of confluence of R.Parvati	7.90	8.3	0.1	220
R.Beas, U/s Waste processing facility Kullu.	7.78	8.5	0.1	280
R.Beas, D/s Waste processing facility Kullu.	8.02	8.5	0.1	350
R.Sainj, U/s envisaged power house site of Parvati-II.	8.17	9.5	0.1	140
R.Sainj, D/s envisaged power house site of Parvati-II.	7.96	9.5	0.1	170
R.Sainj, U/s envisaged power house site of Parvati - III.	8.14	9.6	0.1	130
R.Sainj,, D/s envisaged power house site of Parvati - III.	7.98	9.6	0.1	140
River Satluj U/s Landfill Site Rampur	8.23	9.7	0.1	--
River Satluj D/s Landfill Site Rampur	8.39	9.7	0.2	--
R. Satluj D/s Duttanagar, D/s envisaged conf. of TRT of RHEP	8.30	9.4	0.1	--
River Satluj U/s TRT of Nathpa Jhakri Project	8.44	9.7	0.1	--
River Satluj D/s TRT of Nathpa Jhakri Project	8.32	9.6	0.1	--
River Satluj U/s confluence with Ganvi Khad	8.04	9.4	0.1	--
River Satluj D/s confluence with Ganvi Khad	8.15	9.4	0.1	--
Ganvi Khad before confluence to River Satluj	8.22	9.0	0.1	--
River Satluj D/s NJPC Dam Nathpa	8.16	9.6	0.1	--
River Satluj U/s confluence with Sorang Khad	8.12	9.5	0.1	--
River Satluj D/s confluence with Sorang Khad	8.18	9.5	0.1	--
River Sorang before confluence to River Satluj	8.36	9.6	0.1	--
<u>Karcham Dam</u>	7.91	9.6	0.1	--
Baspa River Baspa Project	8.31	9.2	0.1	--
River Baspa D/s reservoir at Kuppa	8.22	9.3	0.1	--
Spring Source, Bheuli	8.28	--	0.1	>2
Hand Pump SunderNagar	7.97	--	0.1	>2
Hand Pump at Ghumarvin Town	8.99	--	0.1	>2
Spring Source at Sungal	8.53	--	0.1	>2
Hand Pump at vill. Upper Badah	7.54	--	0.1	>2
Hand Pump at Raison	8.05	--	0.1	>2
Hand Pump Rangree, opposite to Hotel River Crescent	7.71	--	0.1	>2
Ground water of Tikker Boari	8.14	--	0.1	>2
River Yamuna U/stream of Ranbaxy,Paonta Sahib	7.28	7.50	1.20	19

River Yamuna D/stream of Ranbaxy, Paonta Sahib	7.78	7.40	1.60	17
River Yamuna U/stream of Land Fill Site, Paonta Sahib	7.89	7.60	1.20	16
River Yamuna D/stream of Land Fill Site, Paonta Sahib	7.36	7.40	1.60	21
River Markanda U/stream of Markanda bridge, Kala Amb	7.57	8.50	1.40	28
River Markanda U/stream of Jattan Walla Nullah	7.73	8.30	1.60	30
Jattan Wala Nullah	7.37	Interference	112.00	86
D/stream of Jattan Wala Nullah	7.68	4.10	16.00	58
River Sirsa D/s Sitomajri Nallah	7.61	7.2	1.4	–
River Bald U/s Land fill site at Baddi	7.45	7.1	2.2	–
River Bald D/s Landfill site at Baddi	7.49	6.4	3.2	–
River Sirsa U/s Sandholi Nallah	7.18	6.9	2.8	–
Sandholi Nallah	6.45	0.2	124.0	–
River Sirsa D/s Sandholi Nallah	7.22	4.2	36.0	–
River Sirsa U/s Housing Board Nalla	7.34	6.1	5.8	–
River Sirsa D/s Housing Board Nalla	7.38	5.1	20.0	–
Housing Board Nallah	7.80	0.0	88.0	–
River Ratta Before Conf. to River Sirsa	7.11	6.6	4.2	–
River Sirsa U/s River Ratta	7.21	6.6	2.8	–
River Sirsa D/s River Ratta	7.87	6.2	3.4	–
River Sirsa U/s Manpura Nallah	7.39	6.3	2.1	–
Manpura Nallah	7.42	5.7	5.1	–
River Sirsa D/s Manpura Nallah	7.35	6.1	3.2	–
River Sirsa U/s Khera Nallah	7.56	6.1	2.2	–
Khera Nallah	7.83	6.4	6.8	–
River Sirsa D/s Khera Nallah	7.79	6.2	4.2	–
Kaushlya River U/s Parwanoo Town	7.87	8.4	0.3	10
Kaushlya river D/s Intake Channel of WSS	7.81	8.0	0.8	5
Sukhana Nallah U/s WSS Sector –4, Parwanoo	7.85	6.9	0.4	4
Sukhana Nallah D/s WSS Kalka	7.12	2.6	8.0	140
Sukhana Nallah U/S Landfill Site Sec-V Parwanoo	7.69	9.6	1.4	18
Sukhana Nallah D/S Landfill Site Sec-V Parwanoo	7.46	4.2	5.0	36
Maaualkhana Nallah U/s Morepan Lab	7.75	7.0	0.8	8
Maaualkhana Nallah D/s Morepan Lab	6.67	6.0	18.0	124
Lift Nallah D/s Hotel Combermere, Shimla	7.27	8.0	4.0	18
Lift Nallah U/S Bridge at bye pass Road near waste processing site Shimla U/s MC shimla	7.33	7.8	4.8	22
U/s Lift Nallah before Conf. to Ashwani Khad	7.18	9.5	0.4	24
D/s of Ashwani Khad (after.conf.of lift nallah)	7.24	8.8	0.8	10
River Pabbar D/s Chirgaon	6.93	9.5	0.2	<2
River Pabbar D/s Rohru	7.01	8.8	0.8	6
River Pabbar U/s Hatkoti	7.08	9.2	0.8	<2
River Pabbar D/s Hatkoti	7.21	9.1	1.0	<2
River Pabbar U/s Chailla	7.19	8.5	0.6	<2

Ground water of Totu	7.35	6.5	0.1	<2
River Ravi U/S MSW site Chamba	8.19	8.5	0.2	–
River Ravi D/S MSW site Chamba	8.10	8.4	0.4	–
River Ravi before conf. with Baira river	7.05	8.6	0.2	–
River Ravi after conf. with Baira River	7.70	8.5	0.3	–
River Ravi D/s Dam of Chamera-I	8.10	8.4	0.2	–
R.Ravi D/S TRT Power House Chamera-I HEP	8.02	8.5	0.1	–
Baira River before conf. with river Ravi	8.04	8.6	0.2	–
River Ravi U/s Dam Chamera-II HEP	8.12	8.6	0.3	–
River Ravi D/s Dam Chamera-II HEP	8.50	8.4	0.2	–
River Ravi U/S at Conf. of Budhil Nallah	8.19	8.5	0.4	–
Budhil Nallah U/s Dam of proposed Budhil HEP (U/s of Dam of Budhil)	8.15	8.7	0.2	–
Budhil Nallah D/s Dam of proposed Budhil HEP (D/s of Dam of Budhil)	8.20	8.6	0.4	–
River Ravi D/s TRT of proposed Budhil HEP	8.25	8.7	0.2	–
Well at Purana Kangra	8.13	-	0.1	–
Baner Khad D/s STP TMC	8.48	6.9	0.4	–
Baner Khad U/s STP TMC	7.58	6.9	0.3	–
Well at Rajiana	6.40	-	0.1	–
Well at Upper Khouli	6.20	-	0.2	–
U/s Pong Dam	8.06	6.9	0.3	–
Swan Khad U/S Suraj Ind	8.13	7.2	0.3	–
Swan Khad D/S Suraj Ind	7.85	7.2	0.6	–
River Satluj U/s Bhakhra	8.48	5.2	0.4	–
Swan River U/S MSW Site Santokhgarh	8.59	5.6	0.4	–
Swan River D/s MSW site Santokhgarh	8.81	5.5	0.6	–
Swan River U/S Gagret	8.72	5.6	0.4	–
Swan River D/s I.A Gagret	8.83	5.5	0.4	–
Dal Lake Naddi	6.32	7.5	1.6	–
Charan khad U/S STP Dharamshala	7.36	7.1	0.3	–
Charan khad D/S STP Dharamshala	7.36	7.2	0.3	–
Baira River U/S Dam on Baira Siul HEP	8.26	8.6	0.2	–
Baira River D/s dam on Baira Siul HEP	8.54	8.7	0.4	–
Siul River U/s Dam on Siul of Baira Siul HEP	8.46	8.6	0.2	–
Siul River D/s Dam on Siul of Baira Siul HEP	7.48	8.7	0.3	–
Bhaled Khad U/s Dam on Bhaled for Baira Siul HEP	8.04	8.8	0.1	–
Bhaled Khad D/s Dam on Bhaled for Baira Siul HEP	8.23	8.7	0.2	–
Baira River before conf. of TRT of Baira Siul HEP	8.03	8.5	0.3	–
Baira River after conf. of TRT of Baira Siul HEP	8.18	8.6	0.3	–
Well at Jawalaji	6.86	-	0.2	–
Lund Khad U/s STP Jawalamukhi	6.55	7.4	0.4	–
Lund Khad D/s STP Jawalamukhi	6.75	7.1	0.8	–

Chouch Khad D/s IA Bain Attarian	8.52	7.5	0.3	–
Chouch Khad U/s IA Bain Attarian	8.68	7.6	0.3	–
Well At Jaisinghpur	7.47	-	0.3	–
Well at Khaira	7.91	-	0.2	–
Well at Sai	6.44	-	0.3	–
Bhiral Khad U/S STP Palampur	7.91	8.8	0.4	–
Bhiral Khad D/S STP Palampur	7.48	8.9	0.4	–
Well at Paprola	8.61	-	0.2	–
Well at Baijnath	6.28	-	0.2	–
Hand pump at Chamunda Devi	6.86	-	0.3	–