

Analysis results of Surface water monitoring under NWMP for the month of April, 2017

S. N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) ^o C	DO mg/l	Cond μ s/Cm	TD S mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Alkn mg/l	TH mg/l	Ca mg/l	Mg mg/l	Cl mg/l	SO ₄ Mg/l	NO ₃ -N mg/l	F mg/l	PO ₄ as P mg/l	AmnN mg/l	TKN mg/l	T.Coli MPN/100ml	F.Coli MPN/100ml	Na mg/l	K mg/l	Boro n mg/l	S.I.	D.I.	WQI	DBU
1	River Satluj, U/S Nangal	1017	7.73	36/20	8.0	285	177	168	1.2	BDL	6	4	45	50	14	3.6	17	10	0.2	0.2	0.8	0.2	1.8	320	130	22	4	BDL	5.5	0.4	S	B
2	River Satluj D/S NFL	1380	7.87	36/24	7.6	298	194	186	2.2	BDL	11	7	50	70	18	6	24	16	0.4	0.4	1.0	0.4	1.4	580	230	21	6	BDL	2.6	0.4	S	C
3	100m D/s PACL Nangal	2915	7.72	36/24	7.6	415	260	246	4.6	1.0	13	13	80	95	24	8.4	36	28	1.0	0.4	1.6	0.8	1.6	700	220	28	24	BDL	2.5	0.3	S	C
4	River Satluj D/s Nangal	1018	7.84	36/19	7.9	309	186	171	3.7	1.0	10	9	60	90	22	8.4	30	18	0.6	0.4	1.4	0.4	1.8	490	220	20	3	BDL	-	-	S	B
5	River Satluj at Kiratpur Sahib	1814	7.86	39/22	7.6	304	312	294	5.2	BDL	19	8	52	104	25.6	9.84	30	18	1.6	0.8	1.8	1.6	4.0	2400	790	24	4.2	BDL	-	-	S	C
6	Ropar Head-Works	1019	7.82	38/24	7.4	296	204	186	8.0	BDL	20	8	50	72	17.6	6.88	32	16	0.8	0.6	0.6	1.0	2.2	1400	230	27	2.2	BDL	4.6	0.4	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.83	39/27	7.6	312	216	294	12	2.0	20	14	50	80	20	7.38	30	20	0.6	1.0	0.6	1.2	2.8	1500	490	30	2.2	BDL	-	-	S	C
8	River Satluj U/S Buddha Nallah	1690	7.33	38/24	7.0	564	388	378	16	2.0	16	15	72	104	25.6	9.72	46	32	0.6	0.8	1.0	0.8	1.4	3500	940	38	4.7	BDL	-	-	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.17	38/30	2.6	1694	976	862	384	105	84	48	196	226	56	20.89	102	76	4.2	2.0	3.6	6.4	12.0	94000	46000	49	9.5	0.10	-	-	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.58	37/29	4.8	1180	881	862	92	25	68	36	126	182	44	17.49	82	60	1.6	1.8	1.8	3.6	6.2	70000	23000	54	10.2	0.15	-	-	N	D
11	Satluj at D/s east Bein	1381	7.0	38/27	BDL	710	380	266	80	22	88	40	190	170	49	9.7	34	48	1.8	0.12	1.0	6.5	11.5	2200	1100	48	5.5	BDL	-	-	N	E
12	Satluj at harike	1022	6.9	38/26	4.1	390	250	180	30	4.1	66	28	124	140	42	8.7	26	28	2.6	0.14	0.6	3.0	5.2	1100	700	21	2.2	BDL	-	-	N	D
13	Harike Lake D/S from canal	1382	7.0	38/26	6.0	348	210	170	24	2.4	60	30	136	124	37	7.7	18	16	2.0	0.16	0.4	0.9	1.7	790	330	18	2.2	BDL	3.0	0.3	S	C
14	D/S Harike	1297	7.2	37/26	6.3	356	214	176	22	2.2	58	28	128	132	38	8.7	20	24	1.1	0.12	0.5	1.0	1.8	580	230	17	2.3	BDL	3.3	0.3	S	C
15	U/S Hussainiwala H/W Ferozepur	1691	7.47	36/22	7.4	396	248	238	10	BDL	18	12	56	68	16.8	6.32	24	18	0.6	0.6	0.8	1.0	3.0	2200	790	23	2.9	BDL	-	-	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.58	36/24	7.2	420	260	248	12	BDL	22	16	66	74	18.4	6.80	28	20	0.8	0.8	1.2	1.2	3.2	2200	940	25	3.5	BDL	-	-	S	C

Note. 1. BDL means Below Method Detection Limit

2. WQI means Water Quality Index (S means Satisfactory, N means not Satisfactory).

3. DBU means Designated Best Use (Class A,B,C, D &E)

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S.N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) ⁰ C	DO mg/l	Cond μ s/Cm	TDS mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Alkn mg/l	TH mg/l	Ca mg/l	Mg mg/l	Cl mg/l	SO ₄ Mg/l	NO ₃ -N mg/l	F mg/l	PO ₄ P mg/l	AmnN mg/l	TKN mg/l	T.Coli MPN/100ml	F.Coli MPN/100ml	Na mg/l	K mg/l	B mg/l	S.I.	D.I.	W QI	DB U
17	Beas at Talwara H/W	1693	7.3	37/25	8.0	228	138	114	BDL	BDL	11	05	56	88	22	7.7	16	18	0.8	BDL	BDL	BDL	BDL	110	70	12	1.7	BDL	5.0	0.52	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.1	37/25	7.7	256	154	124	14	1.3	20	12	64	120	32	9.7	14	14	1.0	0.11	0.30	0.3	1.0	170	70	17	4.5	BDL	4.0	0.4	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.4	36/26	5.2	324	194	160	20	2.4	28	14	96	124	35	8.7	12	16	1.6	0.13	0.5	0.8	1.5	580	230	19	3.2	BDL	-	-	S	B
20	U/S Pathankot	1694	7.0	37/26	7.8	280	168	136	10	1.0	90	32	108	112	32	7.7	16	10	1.2	BDL	0.16	BDL	BDL	170	70	18	3.6	BDL	3.8	0.4	S	B
21	D/S Pathankot	1695	7.1	37/26	7.7	268	162	130	12	1.3	102	36	92	116	37	5.8	14	16	1.4	0.10	0.3	0.5	1.0	210	84	20	3.9	BDL	-	-	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.3	37/26	7.8	286	172	140	14	1.4	32	16	88	128	35	9.7	14	18	1.8	0.18	0.31	0.6	1.0	220	110	25	2.9	BDL	3.8	0.35	S	B
23	U/s Goindwal	1696	7.4	38/27	7.7	292	176	144	18	1.6	112	44	96	136	37	10.6	18	12	1.1	0.12	0.24	0.4	0.9	220	110	22	2.2	BDL	3.0	0.3	S	B
24	D/s Goindwal	1012	7.1	38/26	7.7	272	164	134	16	1.3	90	32	104	132	34	11.6	16	18	1.4	0.14	0.32	0.5	1.1	220	110	29	2.4	BDL	3.5	0.3	S	B
25	Beas at Harike	1697	7.2	37/25	7.8	288	174	136	18	1.6	34	19	112	140	38	10.6	16	16	1.6	0.10	0.22	0.6	1.2	210	84	19	2.6	BDL	3.0	0.3	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.5	36/23	7.2	136	82	68	10	1.0	14	10	48	56	13	5.8	16	18	0.6	BDL	BDL	BDL	BDL	110	70	6	2.0	BDL	4.8	0.45	S	B
27	Ghaggar at Mubarikpur Rest House	1023	7.4	32/27	5.0	570	348	282	36	6.0	840	2000	175	205	48	21	32	91	1.38	0.28	0.24	1.2	1.8	14000	2100	25	8.8	BDL	-	-	S	D
28	Ghaggar at Bhankarpur	1295	7.0	32/26	4.2	664	398	318	68	17	497	880	123	234	65	17	49	112	0.28	0.31	1.35	2.6	3.5	21000	3100	30	1.4	BDL	-	-	N	D
29	Ghaggar at Chattbir	1698	7.6	31/25	4.3	735	455	359	52	10	296	440	242	286	72	26	55	56	0.90	0.37	0.94	2.2	3.3	22000	3200	47	12.2	0.10	-	-	N	D
30	U/s Jharmal Nadi	1702	7.5	31/25	2.8	752	466	365	66	14	241	400	231	305	79	26	52	70	0.40	0.30	0.62	2.8	3.9	15000	2600	33	10.1	0.12	-	-	N	E
31	D/s Jharmal Nadi	1701	7.6	33/26	1.6	980	588	465	80	20	301	440	266	309	86	23	103	102	1.33	0.28	0.87	4.9	6.2	17000	2700	61	13.4	0.16	-	-	N	E
32	U/s Dhakanshu Nallah	1699	7.7	30/23	2.6	891	544	440	52	10	37	75	294	312	80	27	119	41	1.21	0.65	0.72	3.6	5.1	21000	3100	35	17	0.17	-	-	N	E
33	D/s Dhakanshu Nallah	1700	7.6	31/24	2.1	782	476	372	63	13	48	95	220	252	60	25	86	38	1.26	0.36	0.89	3.8	5.6	22000	3300	70	17.5	0.17	-	-	N	E
34	Ghaggar at Rattanheri	1473	7.9	34/27	1.2	1056	640	499	160	32	187	260	289	302	73	29	153	86	0.92	0.58	0.70	4.2	5.9	28000	4700	51	11.4	BDL	-	-	N	E
35	Ghaggar at Khanauri	1024	7.8	36/28	1.1	958	596	482	184	41	57	70	348	243	59	23	129	62	1.04	0.65	0.59	4.6	6.6	22000	3400	48	12.8	BDL	-	-	N	E
36	Ghaggar at Moonak	1703	8.0	37/28	1.2	966	602	466	112	23	30	25	324	240	57	24	130	63	1.05	0.61	0.68	4.1	5.4	21000	2700	63	15.1	0.11	-	-	N	E
37	U/s Sardulgarh	1705	7.8	35/25	1.9	816	506	405	64	14	41	14	229	189	45	19	80	49	0.77	0.41	0.97	3.4	4.9	17000	2100	110	19.4	0.15	-	-	N	E
38	D/s Sardulgarh	1704	7.8	36/28	1.8	952	589	462	72	15	46	23	248	239	46	30	101	104	0.75	0.55	2.76	4.0	5.1	24000	3400	101	20.3	0.17	-	-	N	E

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