

Analysis results of Surface water monitoring under NWMP for the month of March, 2018

S. N.	Point of Sample Collection	Code	pH	Temp. (Air/Water)/°C	DO mg/l	Cond µs/Cm	TD S mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Aln mg/l	P.Aln 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	FColi MPN/100ml	Na mg/l	K mg/l	Boro n mg/l	WQI	DBU
1	River Satluj, U/S Nangal	1017	7.75	30/19	8.0	242	143	139	4.0	BDL	14	4	42	BDL	46	11.2	4.37	18	10	0.4	0.2	0.4	0.8	1.4	250	78	20	2.8	BDL	S	B
2	River Satluj D/S NFL	1380	8.15	30/21	7.6	351	210	190	5.6	BDL	22	5	48	BDL	50	12	4.86	22	14	0.6	0.4	0.6	1.0	1.8	390	170	26	3.2	BDL	S	B
3	100m D/s PACL Nangal	2915	8.01	30/21	7.6	386	228	210	5.6	BDL	24	5	52	BDL	54	13.6	4.86	22	18	0.8	0.4	0.8	1.0	1.8	410	140	26	3.4	0.20	S	B
4	River Satluj D/s Nangal	1018	7.77	29/18	7.8	265	158	142	4.8	BDL	17	4	44	BDL	48	12	4.37	20	10	0.6	0.3	0.4	0.8	1.6	340	130	22	3.0	BDL	S	B
5	River Satluj at Kiratpur Sahib	1814	7.92	29/18	7.6	296	184	175	5.3	BDL	11	5	45	BDL	50	12	4.8	24	16	0.4	0.3	0.4	0.8	2.0	560	180	26	4.8	BDL	S	C
6	Ropar Head-Works	1019	7.88	29/18	7.9	308	192	182	4.0	BDL	12	5	48	BDL	54	14	4.56	26	18	0.4	0.4	0.6	1.0	2.4	550	180	24	4.2	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.85	29/21	7.7	320	200	186	4.4	BDL	12	6	52	BDL	58	14.4	5.28	24	14	0.6	0.4	0.6	0.8	2.2	630	210	27	6.0	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.71	22/21	6.2	508	292	278	11.2	BDL	18	9	72	BDL	84	20	8.26	32	22	0.8	0.6	1.0	1.4	3.0	1700	780	32	7.0	0.16	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.22	23/24	1.4	1787	1180	1109	296	86	178	68	152	BDL	198	48.8	18.47	150	124	7.0	2.0	3.0	16	32	380000	170000	202	53	0.27	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.72	32/29	3.2	1048	608	594	120	28	40	37	90	BDL	120	32	9.6	80	54	2.4	1.0	1.6	5.0	12	100000	37000	83	20	0.19	N	E
11	Satluj at D/s east Bein	1381	7.3	24/22	BDL	524	318	216	72	16	46	16	112	BDL	148	42	10	36	28	1.4	0.14	0.52	6.4	10.2	14000	11000	51	5.1	BDL	N	E
12	Satluj at harike	1022	7.3	24/20	4.1	261	170	128	34	4.0	38	10	84	BDL	107	35	5	20	16	1.4	0.12	0.28	1.2	1.6	11000	7900	18	3.0	BDL	N	D
13	Harike Lake D/S from canal	1382	7.4	23/19	6.8	234	150	120	24	2.6	22	4	64	BDL	100	32	5	16	12	1.2	0.10	0.26	1.0	1.4	1700	1100	34	3.8	0.13	S	C
14	D/S Harike	1297	No water was flowing out of Barrage, as such sample was not collected																												
15	U/S Hussainiwala H/W Ferozepur	1691	7.96	28/26	7.6	332	204	192	8.0	BDL	14	9	58	BDL	60	14.4	5.76	26	16	0.4	0.4	0.6	1.0	2.4	930	200	26	5.8	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.93	30/29	7.4	354	214	202	10.0	BDL	15	11	60	BDL	64	15.2	6.24	28	18	0.6	0.4	0.8	1.2	2.8	1000	200	28	6.2	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)

Analysis results of Surface water monitoring under NWMP for the month of March, 2018

S.N.	Point of Sample Collection	Code	pH	Temp. (Air/Water)/°C	DO mg/l	Cond µs/Cm	TDS mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Aln mg/l	P.Aln 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	FColi MPN/100ml	Na mg/l	K mg/l	B mg/l	WQI	DBU
17	Beas at Talwara H/W	1693	7.7	26/24	8.0	188	122	108	10	BDL	8	2	54	BDL	83	27	4	16	10	0.7	0.11	BDL	BDL	BDL	94	49	24	2.3	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.2	28/26	7.3	212	128	108	14	1.2	24	5	60	BDL	85	24	6	12	10	1.4	0.12	BDL	BDL	BDL	140	79	36	3.5	BDL	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.3	28/26	7.0	224	122	104	20	1.8	32	6	64	BDL	87	24	5	10	10	1.2	0.13	0.14	0.6	1.1	350	220	15	1.9	BDL	S	B
20	U/S Pathankot	1694	7.3	28/26	7.9	196	128	104	14	1.0	20	4	62	BDL	98	30	7	14	10	1.2	0.13	BDL	BDL	BDL	140	79	27	2.5	BDL	S	B
21	D/S Pathankot	1695	7.3	28/26	7.4	218	134	105	16	1.3	22	6	68	BDL	90	28	5	16	12	1.4	0.10	BDL	BDL	BDL	170	110	29	2.8	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.6	25/21	7.1	218	136	110	17	1.5	42	10	66	BDL	98	30	6	14	10	1.0	0.14	0.11	0.4	0.8	220	110	31	3.0	BDL	S	B
23	U/s Goindwal	1696	7.4	24/20	7.5	210	128	106	14	1.2	24	4	58	BDL	104	34	5	12	10	1.2	0.10	0.11	0.5	1.0	140	79	24	2.4	0.17	S	B
24	D/s Goindwal	1012	7.2	24/19	7.0	220	142	120	16	1.6	28	6	70	BDL	100	32	5	16	14	1.4	0.12	0.14	0.6	1.0	170	79	30	2.9	0.13	S	B
25	Beas at Harike	1697	7.4	22/18	7.8	226	136	112	16	1.5	22	4	78	BDL	90	28	5	14	12	1.1	0.10	0.17	0.5	0.8	220	110	23	3.3	0.17	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.5	28/26	7.6	184	126	90	12	1.0	BDL	BDL	68	BDL	100	30	6	14	12	0.7	BDL	0.10	BDL	BDL	94	63	18	2.0	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	7.9	27/18	4.1	790	474	402	60	11	4136	120	313	BDL	295	108	6	40	38	0.9	0.15	0.86	1.6	2.2	22000	2700	45	5.0	BDL	N	D
28	Ghaggar at Bhankarpur	1295	7.4	27/17	3.2	991	604	460	98	20	2072	190	387	BDL	368	116	19	54	56	1.4	0.17	1.1	11	15.4	24000	4100	66	12	BDL	N	E
29	Ghaggar at Chhattbir	1698	7.6	26/16	3.6	876	540	432	82	16	746	500	346	BDL	305	113	5	52	51	1.1	0.16	0.98	5.6	7.3	21000	2600	60	10	0.14	N	E
30	U/s Jharmal Nadi	1702	7.8	16/17	2.3	1014	628	508	112	24	390	650	406	BDL	305	115	4	68	53	1.0	0.19	1.2	15.6	21.8	22000	2600	77	16	0.20	N	E
31	D/s Jharmal Nadi	1701	7.4	25/17	1.9	1201	745	581	180	35	324	550	433	BDL	307	105	11	98	98	1.8	0.20	1.4	18.4	25.7	28000	4700	98	21	0.23	N	E
32	U/s Dhakanshu Nallah	1699	7.4	22/16	2.1	1090	676	548	92	18	85	110	364	BDL	303	116	3	98	77	0.96	0.24	0.99	17.0	23.8	15000	2200	94	20	0.20	N	E
33	D/s Dhakanshu Nallah	1700	7.4	24/16	1.7	1286	797	614	106	21	29	70	437	BDL	352	117	14	122	94	1.1	0.27	1.3	19.6	27.4	21000	3300	105	24	0.25	N	E
34	Ghaggar at Rattanheri	1473	7.8	23/16	1.4	1375	866	660	172	38	106	110	414	BDL	418	134	20	138	93	1.4	0.36	1.6	22.0	30.8	24000	4900	117	38	BDL	N	E
35	Ghaggar at Khanauri	1024	7.9	26/17	BDL	2066	1281	990	464	110	50	35	689	BDL	594	212	16	172	117	1.3	0.38	1.8	28.9	40.4	54000	13000	170	86	BDL	N	E
36	Ghaggar at Moonak	1703	7.9	27/18	1.6	1470	926	722	192	41	66	10	460	BDL	485	169	15	121	67	1.22	0.37	1.3	16.6	23.2	35000	9400	162	40	0.15	N	E
37	U/s Sardulgarh	1705	8.0	28/18	2.4	1352	852	682	100	23	83	28	437	BDL	382	138	9	120	70	1.12	0.38	1.1	19.0	26.6	17000	2100	154	36	0.21	N	E
38	D/s Sardulgarh	1704	7.9	28/19	2.0	1481	918	706	106	24	60	11	464	BDL	426	147	14	138	76	1.18	0.39	1.2	20.6	28.8	21000	3200	164	36	0.28	N	E

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)