

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

S. N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) <sup>o</sup> C	DO mg/l	Cond $\mu$ s/Cm	TD S mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Alk n mg/l	P.Alk n mg/l	TH mg/l	Ca mg/l	Mg mg/l	Cl mg/l	SO <sub>4</sub> Mg/l	NO <sub>3</sub> -N mg/l	F mg/l	PO <sub>4</sub> 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	7.78	23/16	8.0	272	160	145	4.0	BDL	8	4	40	BDL	48	11.2	4.9	16	10	0.4	0.2	0.6	0.8	1.4	260	93	18	3.2	BDL	S	B
2	River Satluj D/S NFL	1380	7.89	20/17	7.8	294	181	174	4.8	BDL	9	4	45	BDL	54	13.6	4.9	20	12	0.4	0.3	0.6	0.8	1.2	380	170	20	4.1	BDL	S	B
3	100m D/s PACL Nangal	2915	7.73	21/18	7.6	354	220	208	6.4	BDL	12	5	48	BDL	58	14.4	5.39	22	18	0.6	0.4	0.8	1.2	2.0	390	170	21	4.5	0.13	S	B
4	River Satluj D/s Nangal	1018	7.70	20/16	7.8	284	168	151	5.2	BDL	10	4	40	BDL	50	12.8	4.41	20	14	0.6	0.3	0.4	1.0	1.6	340	150	24	4.0	BDL	S	B
5	River Satluj at Kiratpur Sahib	1814	7.96	22/18	7.4	328	196	188	5.6	BDL	9	6	52	BDL	66	18.4	4.86	26	18	0.4	0.4	0.8	0.8	2.0	680	200	30	11.2	BDL	S	C
6	Ropar Head-Works	1019	7.89	19/16	7.8	330	200	194	4.8	BDL	10	7	60	BDL	64	15.2	6.32	24	16	0.4	0.4	0.6	0.8	2.6	780	200	32	12	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.96	19/16	7.7	350	210	202	4.8	BDL	12	8	64	BDL	70	16	7.29	24	14	0.4	0.6	0.6	1.0	2.6	810	200	36	14	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.48	19/24	6.4	530	280	264	10.6	BDL	17	10	70	BDL	80	20	7.2	29	21	0.8	0.6	1.0	1.2	2.8	1500	680	28	6.8	0.14	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.24	20/23	2.2	1669	1109	1041	320	80	119	90	140	BDL	190	48	17.1	155	130	8.0	2.0	3.2	18	44	3,40000	1,40000	192	49	0.21	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.78	17/19	3.0	1064	628	596	124	32	43	45	96	BDL	140	34.4	13.1	60	40	2.8	1.0	1.4	6.0	18	94000	26000	62	15	0.16	N	E
11	Satluj at D/s east Bein	1381	7.1	17/13	BDL	582	360	284	64	16	82	18	204	BDL	154	40	12	46	46	1.4	0.15	0.32	6.4	10.2	4900	2300	48	4.8	BDL	N	E
12	Satluj at harike	1022	7.3	15/11	4.5	375	220	160	32	4.0	34	06	114	BDL	128	32	11.5	22	20	1.2	0.13	0.16	1.4	1.6	2200	1100	39	4.6	BDL	N	D
13	Harike Lake D/S from canal	1382	7.0	16/12	6.9	272	170	126	20	2.0	24	02	96	BDL	122	32	10	18	18	1.0	0.1	0.13	0.6	1.0	490	230	27	3.0	0.14	S	B
14	D/S Harike	1297	7.3	15/12	6.8	183	124	78	22	2.1	22	04	94	BDL	114	30	9.3	20	16	1.2	0.14	0.11	0.7	1.4	490	230	23	2.9	BDL	S	B
15	U/S Hussainiwala H/W Ferozepur	1691	8.3	15/17	7.6	334	198	189	8.0	BDL	14	10	46	BDL	52	12.8	4.8	24	14	0.4	0.4	0.8	1.0	2.2	930	370	24	8.2	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	8.0	16/19	7.4	360	212	204	10.4	BDL	16	12	58	BDL	60	14.4	5.8	26	18	0.6	0.4	1.0	1.2	2.6	1100	400	28	9.7	BDL	S	C

**Note. 1. BDL means Below Method Detection Limit**

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

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17	Beas at Talwara H/W	1693	7.2	14/12	8.0	205	115	78	08	BDL	12	02	46	BDL	58	14	5	12	12	0.8	0.11	BDL	BDL	BDL	70	46	26	2.4	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.3	17/12	7.5	247	143	118	17	1.3	24	04	70	BDL	86	22	8.0	10	10	1.2	0.14	BDL	0.3	0.5	120	70	34	3.2	BDL	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.4	18/13	6.9	272	167	138	24	2.3	36	08	74	BDL	118	32	10	10	14	1.6	0.10	0.16	0.5	1.0	350	170	21	3.0	BDL	S	B
20	U/S Pathankot	1694	7.0	17/13	7.8	212	132	110	12	1.0	22	04	54	BDL	86	22	7.5	14	10	1.4	0.11	BDL	BDL	BDL	110	70	24	2.5	BDL	S	B
21	D/S Pathankot	1695	7.1	15/13	7.6	240	140	122	14	1.1	24	05	62	BDL	80	20	7.0	12	12	1.2	0.13	BDL	BDL	BDL	120	70	27	2.6	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.3	15/12	7.6	198	123	98	16	1.4	34	08	80	BDL	98	26	7.9	16	14	1.0	0.14	0.13	BDL	BDL	220	110	32	4.3	BDL	S	B
23	U/s Goindwal	1696	7.3	17/14	7.9	188	135	112	14	1.1	26	05	74	BDL	108	28	9.1	14	12	1.3	0.12	0.12	BDL	BDL	170	79	26	3.1	0.17	S	B
24	D/s Goindwal	1012	7.2	16/13	7.5	180	140	118	16	1.4	34	06	68	BDL	122	32	10.2	12	14	1.3	0.10	0.11	BDL	BDL	220	110	33	4.5	0.12	S	B
25	Beas at Harike	1697	7.3	15/12	8.1	240	148	116	16	1.4	22	04	82	BDL	134	35	11.0	16	14	1.2	0.14	0.14	BDL	BDL	220	110	19	2.8	0.15	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.5	15/12	7.3	160	117	82	14	1.0	12	02	54	BDL	62	16	5.2	14	18	0.9	BDL	BDL	BDL	BDL	70	46	18	2.1	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	7.7	16/14	4.2	806	517	440	46	8.0	806	600	310	BDL	316	88	23	43	85	0.30	0.19	0.12	10.7	12.4	24000	3400	43	5.0	BDL	S	D
28	Ghaggar at Bhankarpur	1295	7.3	18/15	2.8	982	609	476	98	18	690	500	316	BDL	338	93	56	48	105	0.41	0.22	0.36	14.8	16.8	28000	4000	62	11	BDL	N	E
29	Ghaggar at Chattbir	1698	7.2	19/15	3.6	850	536	428	48	9.0	125	340	306	BDL	310	104	13	46	88	0.33	0.20	0.28	11.6	12.5	17000	2100	54	9.0	0.14	N	E
30	U/s Jharmal Nadi	1702	7.2	18/15	2.2	1030	649	512	70	13	142	160	344	BDL	364	49	59	57	123	0.42	0.27	0.31	13.4	15.2	22000	2600	87	24	0.17	N	E
31	D/s Jharmal Nadi	1701	8.3	17/14	1.0	1546	940	722	171	39	412	600	408	BDL	389	119	22	185	130	0.66	0.43	0.95	18.3	22.6	24000	3300	180	44	0.23	N	E
32	U/s Dhakanshu Nallah	1699	7.7	14/12	4.1	1153	736	633	50	12	14	80	370	BDL	332	105	17	92	134	0.29	0.28	0.14	13.0	16.0	12000	1400	90	17	0.16	N	D
33	D/s Dhakanshu Nallah	1700	7.6	13/12	4.0	980	613	540	54	13	12	60	342	BDL	294	66	32	72	95	0.30	0.40	0.49	11.2	15.2	15000	1700	82	16	0.26	N	D
34	Ghaggar at Rattanheri	1473	7.4	13/11	BDL	1602	1030	785	395	104	26	100	435	BDL	400	110	30	171	175	0.21	0.38	0.16	25.3	29.4	28000	3900	149	71	BDL	N	E
35	Ghaggar at Khanauri	1024	7.6	16/14	1.1	1349	850	670	213	58	10	31	485	BDL	310	84	24	108	78	0.71	0.39	0.16	16.0	20.2	54000	9400	160	44	BDL	N	E
36	Ghaggar at Moonak	1703	7.8	18/15	1.3	1200	753	602	128	33	08	37	192	BDL	330	96	22	133	110	0.50	0.45	0.29	14.3	18.7	35000	7000	185	39	0.14	N	E
37	U/s Sardulgarh	1705	7.9	20/15	1.8	1439	903	727	102	20	27	22	446	BDL	324	91	23	115	119	0.43	0.41	0.69	17.5	20.1	22000	2400	186	35	0.19	N	E
38	D/s Sardulgarh	1704	7.8	22/16	1.5	1586	984	767	130	27	56	38	520	BDL	396	83	46	130	136	0.50	0.66	0.83	30.5	38.8	35000	8400	166	38	0.31	N	E

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