

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

S. N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) <sup>o</sup> C	DO mg/l	Cond us/Cm	TD S mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Alkn mg/l	p.Alkn 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	7.95	35/20	8.1	269	132	128	BDL	BDL	12	4.0	28	BDL	36	8.8	3.40	20	14	0.2	0.2	0.4	0.6	1.2	370	180	14.0	2.4	BDL	S	B
2	River Satluj D/S NFL	1380	7.80	35/23	7.8	307	151	146	BDL	BDL	18	6.0	36	BDL	42	11.2	3.40	28	20	0.4	0.6	0.8	0.6	1.4	610	200	18.6	3.3	BDL	S	C
3	100m D/s PACL Nangal	2915	7.71	35/23	7.6	357	179	158	1.6	BDL	26	7.0	44	BDL	50	11.2	5.34	28	22	0.6	0.8	1.2	1.0	2.2	680	200	20.8	3.8	BDL	S	C
4	River Satluj D/s Nangal	1018	7.67	35/21	7.9	301	143	137	BDL	BDL	20	5.0	32	BDL	40	9.6	3.88	22	18	0.4	0.4	0.8	0.6	1.4	550	180	20.4	3.8	BDL	S	C
5	River Satluj at Kiratpur Sahib	1814	7.95	35/24	7.4	292	286	139	4.6	BDL	26	7.0	48	BDL	98	28	6.80	24	20	1.4	0.6	2.8	1.4	3.8	1100	450	21.0	4.4	BDL	S	C
6	Ropar Head-Works	1019	8.01	34/21	7.7	264	188	162	6.4	BDL	22	8.0	46	BDL	68	16.8	5.76	26	12	0.4	0.6	0.4	0.8	2.0	1200	680	22.0	2.0	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.93	34/21	7.5	276	198	174	12	2.0	28	12	52	BDL	74	19.2	6.24	30	14	0.4	1.0	0.8	1.6	2.8	1300	780	24.8	2.1	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.50	35/24	7.0	394	256	241	12	2.0	15	6.0	64	BDL	92	21.6	9.12	32	20	0.6	0.8	1.0	1.4	2.8	3300	1700	28	6.8	0.11	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.46	35/26	3.0	1288	828	782	280	108	72	42	164	BDL	194	49.6	16.8	85	62	2.0	1.6	2.4	5.2	8.8	70000	31000	68.0	18.7	0.16	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	8.20	35/24	5.9	656	420	398	72	17	30	36	98	BDL	142	34.4	13.40	26	20	1.2	1.8	1.2	2.0	4.2	63000	26000	64	12.0	0.11	N	D
11	Satluj at D/s east Bein	1381	7.2	28/18	BDL	628	377	226	74	16	92	80	160	BDL	158	50	8.2	38	42	2.0	0.14	1.8	10.0	16.6	1700	790	44	6.8	0.10	N	E
12	Satluj at harike	1022	7.0	26/17	4.2	402	241	183	28	3.0	72	40	128	BDL	152	46	8.7	28	30	2.8	0.12	1.4	2.0	3.0	790	330	23	2.2	BDL	S	C
13	Harike Lake D/S from canal	1382	7.1	28/18	6.3	340	204	165	22	2.0	74	39	132	BDL	120	37	6.8	16	18	2.2	0.18	1.2	1.6	2.4	330	170	22	1.7	0.10	S	B
14	D/S Harike	1297	7.3	28/18	6.2	348	209	171	22	1.9	86	34	120	BDL	128	38	7.7	22	26	1.2	0.14	1.1	1.8	2.7	280	170	25	1.9	BDL	S	B
15	U/S Hussainiwala H/W Ferozepur	1691	7.96	35/24	7.6	298	192	184	8	BDL	20	18	52	BDL	60	14.4	5.76	20	16	0.6	0.7	1.0	1.2	3.4	1200	600	19	2.8	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.74	35/24	7.4	340	200	192	10	BDL	28	22	60	BDL	72	17.6	6.72	22	18	0.8	0.9	1.6	1.2	3.2	1200	610	24	3.3	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	27/16	7.2	212	127	103	BDL	BDL	14	12	52	BDL	84	22	6.8	18	14	0.6	BDL	BDL	BDL	BDL	110	70	21	1.7	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.0	27/17	7.0	244	146	115	18	1.4	44	22	60	BDL	116	34	7.7	16	12	1.2	0.10	0.8	0.6	1.2	220	110	25	2.0	0.11	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.2	26/15	5.9	318	191	159	26	2.6	76	38	90	BDL	120	48	5.8	14	18	1.8	0.12	0.8	1.1	1.3	630	260	16	1.5	0.12	S	C
20	U/S Pathankot	1694	7.1	26/17	7.0	287	172	138	14	1.1	86	32	104	BDL	108	30	7.7	14	12	1.4	0.16	0.6	BDL	BDL	210	84	19	1.8	BDL	S	B
21	D/S Pathankot	1695	7.0	27/16	6.9	273	167	131	16	1.3	90	34	88	BDL	112	34	6.8	18	14	1.6	0.12	0.7	0.7	1.3	220	110	27	2.2	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.2	26/16	7.3	283	170	136	15	1.3	70	36	84	BDL	124	40	5.8	16	20	1.9	0.16	0.7	0.8	1.4	220	110	30	2.1	0.12	S	B
23	U/s Goindwal	1696	7.5	25/16	7.0	286	172	139	16	1.5	68	29	92	BDL	132	45	4.8	16	14	1.2	0.14	0.7	0.7	1.2	210	84	29	1.9	0.10	S	B
24	D/s Goindwal	1012	7.0	25/15	6.9	278	167	135	18	1.6	80	31	100	BDL	128	40	6.8	18	16	1.6	0.16	0.8	0.8	1.3	220	110	30	2.0	0.11	S	B
25	Beas at Harike	1697	7.3	28/17	7.3	293	176	134	16	1.3	62	26	108	BDL	136	42	7.7	16	14	1.8	0.12	0.8	0.6	1.4	170	70	20	1.5	0.10	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.6	26/15	7.3	140	84	71	16	BDL	BDL	1.4	44	BDL	52	14	3.8	14	16	0.8	BDL	BDL	BDL	BDL	110	70	7	1.1	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	7.8	24.6/22.5	5.2	535	332	296	27	5.8	1022	2500	215	BDL	252	68	20	34	24	0.32	0.31	0.22	1.1	1.8	12000	1700	19	2.0	BDL	N	D
28	Ghaggar at Bhankarpur	1295	7.5	24.9/21.8	4.1	686	453	376	64	16	1085	1600	358	BDL	266	79	17	60	24	0.30	0.32	0.73	3.92	4.6	17000	2700	22	2.2	BDL	N	D
29	Ghaggar at Chattbir	1698	7.6	21.21/19.4	4.4	734	463	384	42	9.0	142	220	306	BDL	270	83	15	55	54	0.29	0.35	1.04	3.26	3.8	15000	2600	29	2.4	BDL	N	D
30	U/s Jharmal Nadi	1702	7.6	24.6/21.3	3.5	774	480	392	52	12	111	180	333	BDL	256	81	13	62	34	0.31	0.36	0.79	3.12	3.6	14000	2100	43	3.9	BDL	N	E
31	D/s Jharmal Nadi	1701	7.5	24.9/20.3	2.0	908	576	452	76	20	102	160	350	BDL	287	85	18	116	54	0.51	0.38	1.48	7.52	9.4	21000	3100	46	4.2	0.19	N	E
32	U/s Dhakanshu Nallah	1699	7.8	20.2/21.8	2.3	860	542	455	42	10	37	50	340	BDL	279	80	19	99	42	0.77	0.44	0.66	3.61	4.8	22000	3200	55	5.9	0.21	N	E
33	D/s Dhakanshu Nallah	1700	7.7	20.7/19.9	2.0	754	473	402	52	12	54	65	325	BDL	252	70	19	64	48	0.54	0.42	1.14	4.33	5.6	15000	2500	38	4.0	0.23	N	E
34	Ghaggar at Rattanheri	1473	7.9	23.4/22.6	2.8	1090	665	525	102	24	82	160	397	BDL	315	93	20	151	65	BDL	0.42	0.82	2.84	3.8	21000	3300	48	4.5	0.25	N	E
35	Ghaggar at Khanauri	1024	7.8	24.2/23.3	1.1	1102	670	523	191	40	32	24	478	BDL	239	69	16	143	65	BDL	0.53	1.53	7.39	9.2	24000	4100	35	4.1	0.28	N	E
36	Ghaggar at Moonak	1703	8.0	23.9/22.4	1.5	920	589	477	160	36	51	70	379	BDL	255	64	23	125	54	BDL	0.51	0.72	3.18	4.2	22000	3400	41	4.6	0.29	N	E
37	U/s Sardulgarh	1705	7.8	26.9/20.7	1.2	1043	657	549	168	38	47	60	470	BDL	284	84	18	117	50	0.50	0.55	1.17	4.14	6.2	26000	3700	48	4.2	0.27	N	E
38	D/s Sardulgarh	1704	7.7	29.2/23.1	1.1	1036	648	540	154	31	44	50	464	BDL	266	71	21	119	54	BDL	0.66	1.93	5.18	7.4	28000	4100	53	5.5	0.29	N	E

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