

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

S.N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) <sup>o</sup> C	DO mg/l	Cond $\mu$ s/Cm	TDS mg/l	TFS 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	F.Coli MPN/100ml	Na mg/l	K mg/l	Boron mg/l	S-Index	D-Index	WQI
1	River Satluj, U/S Nangal	1017	7.53	17/16	8.0	234	141	123	2.0	BDL	8	4.0	40	BDL	50	12.8	4.32	16	12	0.4	0.2	0.6	1.0	2.0	400	180	15	2.4	BDL	-	-	S
2	River Satluj D/S NFL	1380	7.76	18/17	7.6	279	158	141	5.6	BDL	18	6.0	50	BDL	62	15.2	5.76	22	16	0.6	0.6	1.0	1.6	2.6	550	370	18.0	1.9	0.08	4.2	0.3	S
3	100m D/s PACL Nangal	2915	7.71	18/17	7.6	320	192	174	6.0	1.0	20	7.0	60	BDL	70	16.8	6.72	24	18	0.8	0.8	1.0	1.4	2.8	450	200	22	2.4	0.07	3.0	0.4	S
4	River Satluj D/s Nangal	1018	7.66	18/16	7.5	298	176	151	5.8	BDL	18	6.0	54	BDL	60	16.0	4.8	23	17	0.7	0.6	0.8	1.2	2.4	370	180	20	2.0	BDL	-	-	S
5	River Satluj at Kiratpur Sahib	1814	7.42	18/16	7.4	252	154	136	8.0	BDL	28	8.0	42	BDL	64	16.0	5.76	20	12	0.8	0.6	0.6	1.2	2.8	1100	780	20.0	2.6	0.05	-	-	S
6	Ropar Head-Works	1019	7.59	18/16	7.6	294	183	177	6.4	BDL	21	6.0	56	BDL	66	16.0	6.24	24	18	0.8	0.7	0.8	1.0	2.2	680	400	23.0	2.0	0.09	-	-	S
7	River Satluj D/S of Rishab-Paper Mills	1293	7.66	18/16	7.6	286	162	156	7.2	BDL	23	7.0	52	BDL	68	16.8	6.24	26	20	1.0	0.7	1.0	1.2	2.4	780	450	25.0	2.1	BDL	-	-	S
8	River Satluj U/S Buddha Nallah	1690	7.61	19/17	7.5	390	261	248	10.0	2.0	16	10.0	66	BDL	100	24.0	9.6	30	24	0.6	0.4	0.6	1.4	2.6	930	400	26	8.2	0.20	-	-	S
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.52	19/16	5.1	732	502	481	108	40	50	32.0	130	BDL	170	44.0	14.4	78	56	2.0	1.4	2.2	3.8	6.0	31000	17000	99	27.8	0.27	-	-	N
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.48	18/16	5.8	544	380	357	64	24	30	22.0	100	BDL	130	32.0	12.0	52	42	1.0	1.0	1.2	2.2	4.4	27000	13000	56	20.1	0.17	-	-	N
11	Satluj at D/s east Bein	1381	7.1	16/12	1.2	640	384	284	56	10	126	84	164	BDL	164	54	6.8	40	44	2.0	0.14	2.2	11.0	16.7	1700	460	92	7.9	0.08	-	-	N
12	Satluj at harike	1022	7.2	16/13	5.4	413	248	190	24	2.4	112	50	128	BDL	152	45	9.7	28	30	2.8	0.16	1.0	1.9	2.8	580	210	26	2.5	BDL	-	-	S
13	Harike Lake D/S from canal	1382	7.0	16/11	7.3	346	208	168	20	1.6	100	40	132	BDL	120	34	8.7	16	22	1.8	0.12	1.1	1.6	2.6	280	170	21	1.8	0.09	3.3	0.3	S
14	D/S Harike	1297	7.3	16/12	7.2	350	210	172	18	1.5	84	38	112	BDL	128	40	6.8	18	24	1.2	0.14	1.2	1.8	2.7	310	170	23	1.8	BDL	3.3	0.3	S
15	U/S Hussainiwala H/W Ferozepur	1691	7.63	16/16	7.3	290	186	164	10	2.0	18	28	52	BDL	66	16.4	6.0	18	14	0.6	0.7	1.6	2.2	3.6	920	450	14	1.8	0.07	-	-	S
16	D/S Hussainiwala H/W Ferozepur	1692	7.74	16/16	7.0	320	212	193	12	2.0	22	30	64	BDL	84	22.0	6.96	20	16	0.8	0.9	1.8	3.0	4.8	930	450	18	2.2	0.08	-	-	S

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17	Beas at Talwara H/W	1693	7.3	16/13	7.6	220	132	108	BDL	BDL	14	10	52	BDL	96	27	6.8	14	18	0.6	BDL	BDL	BDL	BDL	94	63	16	1.2	BDL	4.4	0.52	S
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.1	16/12	7.1	246	148	118	18	1.0	52	36	64	BDL	116	32	8.7	12	12	1.2	0.10	0.8	0.6	1.0	220	110	19	2.2	0.07	3.8	0.40	S
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.0	16/10	6.0	320	192	161	26	2.6	98	54	96	BDL	120	38	7.7	20	24	1.5	0.11	1.2	1.0	1.6	630	260	15	2.3	0.11	-	-	S
20	U/S Pathankot	1694	7.1	16/12	7.3	280	168	136	10	1.0	124	56	104	BDL	108	29	8.7	14	12	1.4	0.09	0.4	BDL	BDL	170	70	19	2.7	BDL	3.0	0.33	S
21	D/S Pathankot	1695	7.2	17/13	7.2	276	166	132	14	1.1	148	52	88	BDL	112	32	7.7	14	14	1.2	0.12	0.3	0.6	1.0	220	110	28	2.8	BDL	-	-	S
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.4	17/11	7.5	298	178	144	18	1.3	128	44	88	BDL	116	37	5.8	18	20	1.6	0.13	0.8	1.2	1.9	220	110	33	1.9	0.21	3.8	0.35	S
23	U/s Goindwal	1696	7.5	15/10	7.3	296	176	142	16	1.2	96	36	92	BDL	124	40	5.8	16	14	1.2	0.18	0.5	0.6	1.0	220	110	28	1.8	0.19	3.5	0.33	S
24	D/s Goindwal	1012	7.0	15/12	7.1	282	170	138	18	1.3	108	38	84	BDL	116	32	8.7	14	20	1.6	0.10	0.7	0.8	1.5	280	170	31	1.9	0.19	3.0	0.3	S
25	Beas at Harike	1697	7.1	15/11	7.6	288	172	130	16	1.2	110	40	92	BDL	128	34	10.6	20	18	1.9	0.12	0.4	0.9	1.6	220	110	24	1.7	0.15	4.2	0.35	S
26	Ravi at U/s of Madhopur H/W	1097	7.6	15/10	7.2	148	88	74	12	BDL	BDL	08	36	BDL	52	13	4.8	10	12	0.4	BDL	BDL	BDL	BDL	110	70	6.5	1.4	BDL	4.8	0.52	S
27	Ghaggar at Mubarikpur Rest House	1023	8.1	21/17	3.8	621	379	333	15	3.0	799	499	267	BDL	234	77	10	26	28	0.45	0.3	BDL	1.1	1.6	11000	1700	35	1.3	BDL	-	-	N
28	Ghaggar at Bhankarpur	1295	7.0	21/18	3.1	927	574	482	28	5.6	598	377	358	BDL	307	92	19	54	68	0.79	0.8	0.33	10.3	13.6	21000	2600	66	1.5	0.05	-	-	N
29	Ghaggar at Chattbir	1698	7.6	24/19	3.4	771	482	410	22	4.0	216	202	315	BDL	252	78	14	53	40	0.63	1.0	0.29	5.7	7.6	17000	2200	72	1.9	BDL	-	-	N
30	U/s Jharmal Nadi	1702	7.5	22/15	2.8	795	485	416	56	18	456	388	319	BDL	256	82	12	57	35	0.23	0.3	0.13	7.3	8.5	24000	2700	59	2.1	0.05	-	-	N
31	D/s Jharmal Nadi	1701	7.5	23/16	2.0	979	590	478	96	30	340	124	346	BDL	262	74	19	99	44	0.47	0.6	0.26	10.1	13.2	22000	3200	84	2.6	0.08	-	--	N
32	U/s Dhakanshu Nallah	1699	7.6	26/21	2.1	837	518	445	60	19	79	103	296	BDL	237	68	16	70	51	0.36	0.4	0.26	9.2	12.6	13000	2200	82	2.0	0.11	-	-	N
33	D/s Dhakanshu Nallah	1700	7.6	20/15	1.8	960	585	486	72	23	90	111	331	BDL	261	76	17	78	58	0.41	0.7	0.29	13.8	18.4	21000	3100	96	3.8	0.12	-	-	N
34	Ghaggar at Rattanheri	1473	7.6	15/08	1.5	573	355	302	175	56	108	610	170	BDL	110	35	6	63	64	0.22	0.3	0.13	6.3	8.4	28000	3900	45	4.0	0.05	-	-	N
35	Ghaggar at Khanauri	1024	7.4	16/09	1.1	647	396	333	164	54	122	817	193	BDL	146	39	12	70	65	0.18	0.3	0.13	7.1	9.6	15000	2000	50	3.0	0.12	-	-	N
36	Ghaggar at Moonak	1703	7.4	17/9	1.4	652	402	339	152	48	113	781	209	BDL	143	40	11	66	67	0.18	0.2	0.16	8.7	9.9	24000	3300	46	2.2	0.13	-	-	N
37	U/s Sardulgarh	1705	7.6	21/18	1.3	1025	636	554	140	40	98	169	342	BDL	261	60	27	104	72	0.50	0.6	0.49	13	15	21000	2600	104	3.1	0.15	-	-	N
38	D/s Sardulgarh	1704	7.7	23/19	1.2	1098	660	546	124	32	83	98	366	BDL	288	59	34	108	73	0.38	0.4	0.42	14.7	16.4	22000	3100	110	3.7	0.11	-	-	N

**BDL; means below detection limits**

**S : Means Satisfactory**

**N : Means Not Satisfactory**