

Analysis results of Surface water monitoring under NWMP for the month of March, 2021

River Sutlej

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F. Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU	Water Quality Index
1	River River Sutlej at U/S Nangal	1017	05.03.21	SW 1902	ZO Lab Ldh	7.4	8.8	<1	214	100	20	BDL	0.21	BDL	B	S
2	River River Sutlej at D/S NFL	1380	05.03.21	SW 1903	ZO Lab Ldh	8.4	10.3	<1	244	93	18	BDL	0.25	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	05.03.21	SW 1904	ZO Lab Ldh	8.5	10.2	<1	243	110	20	BDL	0.24	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	05.03.21	SW 1905	ZO Lab Ldh	8.9	9.9	<1	255	200	78	BDL	0.26	BDL	B	S
5	River River Sutlej at Kiratpur Sahib	1814	06.03.21	SW 1907	ZO Lab Ldh	8.4	9.3	<1	271	310	45	BDL	0.18	0.10	B	S
6	Ropar Head-Works	1019	06.03.21	SW 1910	ZO Lab Ldh	8.1	9.0	<1	282	910	400	BDL	0.23	0.18	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	06.03.21	SW 1911	ZO Lab Ldh	8.1	8.0	<1	324	930	370	BDL	0.43	0.25	C	S
8	River River Sutlej U/S Buddha Nallah	1690	15.03.21	SW 1921	ZO Lab Ldh	7.9	6.4	3.2	388	2400	930	0.040	0.65	0.21	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	15.03.21	SW 1923	ZO Lab Ldh	7.3	BDL	68	1172	17,00,000	7,00,000	0.185	3.44	0.46	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	16.03.21	SW 1925	ZO Lab Ldh	7.5	BDL	40	1167	3,20,000	1,30,000	0.302	3.86	0.19	E	U
11	River River Sutlej at D/s East Bein	1381	16.03.21	SW 1926	ZO Lab Jal.	7.4	BDL	45	1150	7,90,000	2,20,000	0.144	3.56	0.38	E	U
12	River Sutlej at Harike	1022	16.03.21	SW 1927	ZO Lab Ldh	7.6	6.0	5	432	6300	2600	0.040	0.78	0.35	D	U
13	Harike Lake D/S from canal	1382	08/03/2021	SW 99	ZO Lab, Jal	7.8	7.6	2.2	300	2600	930	0.025	0.94	0.29	C	S
14	D/S Harike lake	1297	08/03/2021	SW100	ZO Lab, Jal	8.0	7.3	1.7	243	1700	780	0.035	0.46	0.38	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	18.03.21	SW 1942	ZO Lab Ldh	7.7	4.7	2.4	312	1200	400	0.030	1.09	0.16	C	U
16	D/S Hussainiwala H/W Ferozepur	1692	18.03.21	SW 1943	ZO Lab Ldh	7.7	4.6	2.6	314	1100	400	0.030	1.00	0.41	C	U

Note. 1. BDL means Below Method Detection Limit

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

3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)

4. U/s means Upstream, D/s means Downstream

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River Sutlej

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO4 mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	AmnN mg/l	NO3-N mg/l	TKN mg/l	PO4as P mg/l	F mg/l	Na mg/l	K mg/l
1	River River Sutlej at U/S Nangal	1017	05.03.21	SW 1902	ZO Lab Ldh	<5	BDL	BDL	115	102	5	5	92	21.6	9.2	80	BDL	BDL	1.3	BDL	BDL	0.21	4.6	1.4
2	River River Sutlej at D/S NFL	1380	05.03.21	SW 1903	ZO Lab Ldh	<5	BDL	BDL	134	117	7	6	102	25.6	9.2	88	BDL	BDL	1.5	BDL	BDL	0.25	5.8	1.5
3	River Sutej at 100m D/s PACL Nangal	2915	05.03.21	SW 1904	ZO Lab Ldh	<5	BDL	BDL	135	120	7	6	104	24.8	10.2	88	BDL	BDL	1.5	BDL	BDL	0.24	5.6	1.4
4	River River Sutlej atD/s Nangal	1018	05.03.21	SW 1905	ZO Lab Ldh	<5	2	BDL	139	121	10	8	104	25.6	9.7	90	BDL	BDL	1.4	BDL	BDL	0.26	6.1	1.5
5	River River Sutlej at Kiratpur Sahib	1814	06.03.21	SW 1907	ZO Lab Ldh	<5	1	BDL	165	145	10	12	140	35.2	12.6	104	BDL	BDL	1.4	BDL	BDL	0.21	4.9	1.4
6	Ropar Head-Works	1019	06.03.21	SW 1910	ZO Lab Ldh	<5	4	BDL	180	155	14	13	152	38.4	13.6	102	BDL	BDL	1.7	BDL	BDL	0.24	6.5	1.5
7	River River Sutlej D/S of Rishab-Paper Mills	1293	06.03.21	SW 1911	ZO Lab Ldh	<5	9	BDL	191	172	17	15	136	34.4	12.2	104	BDL	BDL	1.4	BDL	BDL	0.29	11.5	5.2
8	River River Sutlej U/S Buddha Nallah	1690	15.03.21	SW 1921	ZO Lab Ldh	16	10	13	245	215	29	22	150	38.4	13.1	130	BDL	0.9	1.9	1.5	0.54	0.39	18.3	3.4
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	15.03.21	SW 1923	ZO Lab Ldh	260	110	164	735	564	211	42	262	67.2	22.8	268	BDL	18.5	2.1	28.4	6.4	0.44	128	20
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	16.03.21	SW 1925	ZO Lab Ldh	170	110	140	649	492	164	36	242	62.4	20.9	220	BDL	15.1	1.8	20.4	5.2	0.34	138	16
11	River River Sutlej at D/s East Bein	1381	16.03.21	SW 1926	ZO Lab Ldh	182	45	86	658	487	168	38	256	64.8	22.8	240	BDL	9.6	1.9	13.2	5.4	0.33	131	16
12	River River Sutlej at Harike	1022	16.03.21	SW 1927	ZO Lab Ldh	36	25	37	295	245	42	23	164	41.6	14.6	164	BDL	1.6	1.4	2.2	1.9	0.22	23	6.3
13	Harike Lake D/S from canal	1382	08/03/2021	SW 99	ZO Lab, Jal	16	15	11	204	172	14	16	94	26	7	94	BDL	0.7	0.8	1.6	0.07	0.15	21	3.1
14	D/S Harike lake	1297	08/03/2021	SW100	ZO Lab, Jal	17	14	12	151	134	15	14	93	28	5	100	BDL	0.7	0.6	1.7	0.05	0.14	10	2.2
15	U/S Hussainiwala H/W Ferozepur	1691	18.03.21	SW 1942	ZO Lab Ldh	14	8	BDL	206	189	19	18	116	29.6	10.2	104	BDL	1.0	1.3	1.6	BDL	0.21	27	4.7
16	D/S Hussainiwala H/W Ferozepur	1692	18.03.21	SW 1943	ZO Lab Ldh	16	9	BDL	212	186	20	20	118	30.4	10.2	108	BDL	1.0	1.4	1.7	BDL	0.22	25	4.3

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River Beas

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T. Coli MPN/100ml	F. Coli MPN/100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU	Water Quality Index
17	River Beas at Talwara H/W	1693	03/03/2021	SW 78	ZO Lab, Jal	7.7	7.9	1.1	218	93	20	0.015	0.45	BDL	B	S
18	River Beas at U/S Pathankot	1694	03/03/2021	SW 80	ZO Lab, Jal	7.7	7.6	1.4	305	210	68	0.018	0.61	0.25	B	S
19	River Beas at D/S Pathankot	1695	03/03/2021	SW 81	ZO Lab, Jal	7.8	7.4	1.2	299	240	78	0.025	0.62	0.29	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	03/03/2021	SW 79	ZO Lab, Jal	7.9	7.6	1.5	286	100	37	0.027	0.46	0.10	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	04/03/2021	SW86	ZO Lab, Jal	7.3	7.1	1.3	328	200	68	0.008	0.85	0.45	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	04/03/2021	SW 87	ZO Lab, Jal	7.8	7.4	1.1	217	260	92	0.021	0.44	0.12	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/03/2021	SW 95	ZO Lab, Jal	7.8	7.9	1.3	241	390	110	0.025	0.41	0.10	B	S
24	River Beas at U/s Goindwal	1696	08/03/2021	SW 96	ZO Lab, Jal	7.8	8.1	BDL (<1)	236	380	93	0.014	0.46	0.19	B	S
25	River Beas at D/s Goindwal	1012	08/03/2021	SW 97	ZO Lab, Jal	7.9	8.2	1.2	231	400	92	0.023	0.45	0.41	B	S
26	Beas at Harike	1697	08/03/2021	SW 98	ZO Lab, Jal	7.9	8.1	1.1	221	410	110	0.027	0.42	0.22	B	S

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17	River Beas at Talwara H/W	1693	03/03/2021	SW 78	ZO Lab, Jal	12	9	BDL	135	115	8	10	83	29	3	67	BDL	0.5	0.4	BDL	0.05	0.07	9.5	1.9
18	River Beas at U/S Pathankot	1694	03/03/2021	SW 80	ZO Lab, Jal	14	72	18	185	149	12	12	86	28	4	98	BDL	0.6	0.7	BDL	0.07	0.15	13	1.5
19	River Beas at D/S Pathankot	1695	03/03/2021	SW 81	ZO Lab, Jal	12	68	16	173	142	9	10	83	27	4	96	BDL	0.7	0.6	BDL	0.05	0.11	13	1.8
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	03/03/2021	SW 79	ZO Lab, Jal	15	6	BDL	174	142	12	10	84	28	4	94	BDL	0.6	0.5	BDL	0.07	0.14	9.8	1.9
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	04/03/2021	SW86	ZO Lab, Jal	15	14	10	202	168	15	13	94	31	4	96	BDL	0.8	0.8	1.6	0.08	0.17	19	3.4
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	04/03/2021	SW 87	ZO Lab, Jal	13	12	BDL	143	123	10	12	84	28	3	86	BDL	0.6	0.8	1.7	0.06	0.13	9.2	2.0
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/03/2021	SW 95	ZO Lab, Jal	14	10	BDL	149	120	16	12	89	27	5	96	BDL	0.7	0.7	1.6	0.05	0.14	8.9	2.1
24	River Beas at U/s Goindwal	1696	08/03/2021	SW 96	ZO Lab, Jal	11	16	10	144	115	10	9	86	26	5	81	BDL	0.4	0.5	BDL	BDL	0.08	9.7	2.2
25	River Beas at D/s Goindwal	1012	08/03/2021	SW 97	ZO Lab, Jal	13	6	BDL	148	126	12	13	90	29	5	90	BDL	0.5	0.6	BDL	0.05	0.11	10	2.1
26	Beas at Harike	1697	08/03/2021	SW 98	ZO Lab, Jal	12	8	BDL	141	112	10	10	90	28	5	92	BDL	0.6	0.5	BDL	0.06	0.09	9.3	1.9

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Analysis results of Surface water monitoring under NWMP for the month of March, 2021

River Ravi

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU	Water Quality Index
27	Ravi at U/s of Madhopur H/W	1097	03/03/2021	SW 77	ZO Lab, Jal	7.5	8.0	1.0	235	91	20	0.010	0.57	BDL	B	S

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO ₄ Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	AmnN mg/l	NO ₃ -N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l
27	Ravi at U/s of Madhopur H/W	1097	03/03/2021	SW 77	ZO Lab, Jal	8	4	BDL	148	122	9	8	84	29	3	78	BDL	0.5	0.6	BDL	BDL	0.08	12	2.0

Analysis results of Surface water monitoring under NWMP for the month of March, 2021

River Ghaggar

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F. Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBDU	Water Quality Index
1	Ghaggar at Mubarikpur Rest House	1023	4/3/21	SW 3833	H/o Lab Patiala	7.9	4.3	21	688	24000	3400	0.39	1.92	0.35	D	U
2	Ghaggar at Bhankarpur	1295	4/3/21	SW 3839	H/o Lab Patiala	7.3	3.2	40	826	28000	3800	0.13	2.43	0.62	E	U
3	Ghaggar at Chattbir	1698	4/3/21	SW 3840	H/o Lab Patiala	7.5	3.1	32	800	28000	3400	0.25	2.34	0.55	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	4/3/21	SW 3841	H/o Lab Patiala	7.6	3.0	19	685	24000	3300	0.26	2.21	0.47	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	4/3/21	SW 3842	H/o Lab Patiala	7.6	2.8	26	803	28000	4000	0.29	2.16	0.61	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	4/3/21	SW 3843	H/o Lab Patiala	7.6	3.3	11	598	24000	2700	0.22	1.82	0.56	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	4/3/21	SW 3844	H/o Lab Patiala	7.6	3.2	16	692	28000	3900	0.25	1.96	0.64	E	U
8	Ghaggar at Rattanheri	1473	8/3/21	SW 3847	H/o Lab Patiala	7.6	2.7	35	972	35000	4000	0.30	2.67	0.86	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/3/21	SW 3848	H/o Lab Patiala	7.5	2.5	34	942	35000	3900	0.24	2.60	0.82	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/3/21	SW 3849	H/o Lab Patiala	7.6	2.4	36	1041	35000	4600	0.29	2.65	0.84	E	U
11	Ghaggar at Khanauri	1024	8/3/21	SW 3852	H/o Lab Patiala	7.8	2.3	35	931	28000	4300	0.44	2.50	0.73	E	U
12	Ghaggar at Moonak	1703	8/3/21	SW 3854	H/o Lab Patiala	7.8	2.0	37	1025	35000	5800	0.46	2.45	0.85	E	U
13	Ghaggar at U/s Sardulgarh	1705	12/3/21	SW 3882	H/o Lab Patiala	7.8	4.0	19	713	17000	2600	0.30	1.61	0.46	D	U
14	Ghaggar at D/s Sardulgarh	1704	12/3/21	SW 3883	H/o Lab Patiala	7.6	4.2	23	883	24000	3300	0.24	1.80	0.51	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	4/3/21	SW 3833	H/o Lab Patiala	112	590	468	447	377	54	34	232	53	24	241	BDL	8.7	1.3	12.2	1.1	1.2	67	38
2	Ghaggar at Bhankarpur	1295	4/3/21	SW 3839	H/o Lab Patiala	196	310	298	537	454	75	36	308	77	28	247	BDL	13.3	1.3	18.6	3.0	1.3	98	42
3	Ghaggar at Chattbir	1698	4/3/21	SW 3840	H/o Lab Patiala	162	120	178	520	441	77	32	306	73	30	240	BDL	12.7	1.2	17.8	2.9	1.3	94	37
4	Ghaggar at U/s Jharmal Nadi	1702	4/3/21	SW 3841	H/o Lab Patiala	94	50	113	445	376	66	23	219	48	24	229	BDL	10.6	1.1	14.8	2.1	1.2	75	39
5	Ghaggar at D/s Jharmal Nadi	1701	4/3/21	SW 3842	H/o Lab Patiala	129	130	142	522	442	74	36	315	65	37	249	BDL	11.4	1.3	15.9	2.5	1.4	88	47
6	Ghaggar at U/s Dhakanshu Nallah	1699	4/3/21	SW 3843	H/o Lab Patiala	57	20	43	388	330	49	21	194	41	22	227	BDL	8.9	1.0	12.5	1.3	1.1	58	29
7	Ghaggar at D/s Dhakanshu Nallah	1700	4/3/21	SW 3844	H/o Lab Patiala	78	35	72	446	378	53	28	235	51	26	246	BDL	10.1	1.2	14.1	1.8	1.3	69	36
8	Ghaggar at Rattanheri	1473	8/3/21	SW 3847	H/o Lab Patiala	174	100	114	632	537	87	38	410	83	49	268	BDL	12.3	1.3	17.2	2.3	1.2	124	57
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/3/21	SW 3848	H/o Lab Patiala	172	80	108	612	521	84	35	389	80	46	265	BDL	12.0	1.3	16.8	2.2	1.2	118	54
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/3/21	SW 3849	H/o Lab Patiala	180	85	112	675	574	94	49	441	89	53	273	BDL	11.4	1.3	15.9	2.8	1.3	128	61
11	Ghaggar at Khanauri	1024	8/3/21	SW 3852	H/o Lab Patiala	179	30	51	605	512	82	39	388	81	45	262	BDL	12.6	1.2	17.6	1.9	1.1	113	55
12	Ghaggar at Moonak	1703	8/3/21	SW 3854	H/o Lab Patiala	188	25	52	667	568	94	48	460	92	56	271	BDL	13.1	1.4	18.3	2.4	1.3	121	59
13	Ghaggar at U/s Sardulgarh	1705	12/3/21	SW 3882	H/o Lab Patiala	98	15	34	443	374	61	36	283	57	34	242	BDL	8.6	1.2	12.0	1.6	1.2	62	36
14	Ghaggar at D/s Sardulgarh	1704	12/3/21	SW 3883	H/o Lab Patiala	115	20	46	572	486	83	46	393	78	48	259	BDL	9.7	1.3	13.6	2.2	1.3	82	49

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S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	FColi MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Water quality as per DBU	Water Quality Index
1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	10/3/21	SW 3880	H.O. Lab Patiala	7.4	BDL	179	4890	430000	120000	0.12	7.15	1.46	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	10/3/21	SW 3881	H.O. Lab Patiala	7.7	BDL	56	1618	110000	17000	0.52	2.45	0.91	E	U
3	Point Source B/N	2914	15.03.21	SW 1922	Z.O. Lab, Ludhiana	7.2	BDL	140	1830	32,00,000	13,00,000	0.339	5.97	0.67	E	U
4	Kali Bein into Beas	2913	15/3/21	SW 106	ZO Lab, Jal	7.9	4.9	2.6	288	1700	780	0.036	0.83	0.70	C	S
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Sample was not collected													
6	Tungdab drain at fatehgarh churian, Amritsar	2910	22/3/21	SW 120	ZO Lab, Jal	7.6	BDL	248	2610	700000	330000	1.050	4.81	0.50	E	U
7	Hundiara drain before entering Pakistan	2907	22/3/21	SW 121	ZO Lab, Jal	7.2	BDL	112	1640	630000	310000	0.240	4.39	0.69	E	U
8	Pathlawa Drain	2911	Sample was not collected													
9	Ranjit Sagar Reservoir	2912	03/3/21	SW 76	ZO Lab, Jal	7.6	8.1	BDL (<1)	231	92	20	0.010	0.58	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	4/3/21	SW 3838	H.O. Lab Patiala	7.5	BDL	62	1220	350000	58000	0.14	2.01	1.03	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	8/3/21	SW 3850	H.O. Lab Patiala	7.7	1.2	40	1066	43000	4700	0.25	2.29	0.80	E	U
12	Confluence point of sukhana Choe with River Ghaggar, vill. Mubarkpur	4162	4/3/21	SW 3845	H.O. Lab Patiala	7.4	BDL	94	1671	350000	94000	0.36	3.54	1.11	E	U
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	06.03.21	SW 1909	Z.O. Lab, Ludhiana	8.5	8.6	<1	285	460	78	BDL	0.54	0.19	B	S

- Note. 1. BDL means Below Method Detection Limit**
2. DBU means Designated Best Use (Class-A,B,C,D & E)
3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)
4. U/s means Upstream, D/s means Downstream

Analysis results of Surface water monitoring under NWMP for the month of March, 2021

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO ₄ Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	p.Alkn mg/l	Amn-N mg/l	NO ₃ -N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l
1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	10/3/21	SW 3880	H.O. Lab Patiala	746	110	269	3178	2704	787	279	1696	331	211	968	BDL	8.1	4.3	11.3	5.1	3.1	677	219
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	10/3/21	SW 3881	H.O. Lab Patiala	235	55	110	1045	888	159	67	828	178	93	277	BDL	17.4	1.1	24.4	2.4	1.3	162	176
3	Point Source B/N	2914	15.03.21	SW 1922	Z.O. Lab, Ludhiana	424	150	260	1247	889	424	58	364	93.6	31.6	456	BDL	33.9	3.1	48.6	10.6	0.86	262	28
4	Kali Bein into Beas	2913	15/3/21	SW 106	ZO Lab, Jal	15	2	BDL	179	132	14	12	89	26	6	88	BDL	0.8	0.7	1.8	0.07	0.18	18	2.6
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Sample was not collected																					
6	Tungdab drain at fatehgarh churian, Amritsar	2910	22/3/21	SW 120	ZO Lab, Jal	580	418	118	1510	1085	84	120	328	88	26	835	BDL	42	2.8	62	3.1	0.84	200	15
7	Hundiara drain before entering Pakistan	2907	22/3/21	SW 121	ZO Lab, Jal	294	340	56	955	720	55	86	218	56	19	626	BDL	24	1.8	31	2.6	0.53	149	19
8	Pathlawa Drain	2911	Sample was not collected																					
9	Ranjit Sagar Reservoir	2912	03/3/21	SW 76	ZO Lab, Jal	BDL	2	BDL	136	110	8	6	82	27	3	74	BDL	0.4	0.4	BDL	BDL	0.07	12	2.0
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	4/3/21	SW 3838	H.O. Lab Patiala	268	50	88	793	671	139	59	645	146	68	259	BDL	7.2	1.4	10.0	4.3	1.7	117	71
11	Sagar Para Drain at village sagra dist.Patiala	4158	8/3/21	SW 3850	H.O. Lab Patiala	180	45	78	693	590	94	41	511	99	64	287	BDL	8.4	1.3	11.8	2.9	1.3	119	64
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	4/3/21	SW 3845	H.O. Lab Patiala	410	80	123	1086	923	173	89	807	163	97	339	BDL	23.7	3.4	33.2	4.6	2.1	231	78
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	06.03.21	SW 1909	Z.O. Lab, Ludhiana	<5	5	BDL	178	157	8	11	146	36.8	13.1	96	BDL	BDL	1.6	BDL	BDL	0.24	14.9	2.0

Note. 1. BDL means Below Method Detection Limit

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

3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)

4. U/s means Upstream, D/s means Downstream