

## Quality of Water of Polluted River stretches in Punjab for the month of March, 2021

### Satluj : Roop Nagar to Harike Bridge : Priority I

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 $\mu$ 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	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
2	River Satluj 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
3	River Satluj 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
4	River Satluj 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
5	River Satluj 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
6	River Satluj 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
7	River Satluj 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

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 <sub>4</sub> mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	AmnN mg/l	NO <sub>3</sub> -N mg/l	TKN mg/l	PO <sub>4</sub> as P mg/l	F mg/l	Na mg/l	K mg/l
1	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
2	River Satluj 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
3	River Satluj 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
4	River Satluj 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
5	River Satluj 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
6	River Satluj 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
7	River Satluj 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

- 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**

**Quality of Water of Polluted River stretches in Punjab for the month of March, 2021**  
**Ghaggar: Mubarkpur to Sardulgarh: Priority I**

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 $\mu$ 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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