

Quality of Water of Polluted River stretches in Punjab for the month of March, 2022

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 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	Ropar Head-Works	1019	15.03.2022	SW 252	ZO Lab LDH	7.9	9.0	BDL	240	2100	450	BDL	0.61	0.14	C	S
2	River Satluj D/S of Rishab- Paper Mills	1293	15.03.2022	SW 253	ZO Lab LDH	8.1	8.5	BDL	232	2700	680	BDL	0.40	0.39	C	S
3	River Satluj U/S Buddha Nallah	1690	16.03.2022	SW 261	ZO Lab LDH	7.9	6.5	1.1	308	3900	1100	0.049	1.28	0.46	C	S
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	16.03.2022	SW 263	ZO Lab LDH	7.4	BDL	18	551	46,00,000	13,00,000	0.089	1.64	0.42	E	U
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	17.03.2022	SW 265	ZO Lab LDH	7.1	4.1	7	388	3,80,000	1,30,000	0.002	0.83	0.24	D	U
6	River Satluj at D/s East Bein	1381	17.03.2022	SW 266	ZO Lab LDH	7.1	2.2	9	655	7,90,000	3,30,000	0.002	2.01	0.55	E	U
7	River Satluj at Harike	1022	17.03.2022	SW 267	ZO Lab LDH	7.2	5.8	2.2	325	4700	2000	0.011	0.64	0.43	C	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
1	Ropar Head-Works	1019	15.03.2022	SW 252	ZO Lab LDH	BDL	12	16	136	120	12	8	114	28	10.7	73	BDL	BDL	1.3	BDL	BDL	0.21	15	3.2
2	River Satluj D/S of Rishab- Paper Mills	1293	15.03.2022	SW 253	ZO Lab LDH	BDL	11	14	138	118	8	6	118	28.8	11.2	77	BDL	BDL	1.4	BDL	BDL	0.40	10	3.6
3	River Satluj U/S Buddha Nallah	1690	16.03.2022	SW 261	ZO Lab LDH	16	70	110	185	157	18	15	126	30.4	12.2	90	BDL	1.1	2.2	1.6	0.26	0.40	33	7.7
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	16.03.2022	SW 263	ZO Lab LDH	88	120	138	341	260	76	35	162	39.2	15.6	135	BDL	5.9	2.8	7.6	1.11	0.43	48	15
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	17.03.2022	SW 265	ZO Lab LDH	42	90	122	284	223	68	36	144	34.4	14.1	119	BDL	3.0	3.0	4.2	0.86	0.24	23	8
6	River Satluj at D/s East Bein	1381	17.03.2022	SW 266	ZO Lab LDH	56	100	134	395	308	70	46	168	40.8	16.0	197	BDL	3.8	3.2	4.8	1.32	0.24	60	18.3
7	River Satluj at Harike	1022	17.03.2022	SW 267	ZO Lab LDH	16	60	92	212	174	33	27	134	32	13.1	112	BDL	1.1	1.7	1.7	0.22	0.30	17	4

- 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, 2022

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 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	9/3/2022	5799	H/o Lab Patiala	7.5	6.2	8	467	22000	2700	0.21	1.80	0.24	D	U
2	Ghaggar at Bhankarpur	1295	9/3/2022	5800	H/o Lab Patiala	7.4	4.2	14	525	28000	4600	0.17	1.84	0.38	D	U
3	Ghaggar at Chattbir	1698	9/3/2022	5801	H/o Lab Patiala	7.2	4.0	15	614	28000	5800	0.12	2.11	0.41	D	U
4	Ghaggar at U/s Jharmal Nadi	1702	9/3/2022	5802	H/o Lab Patiala	8.0	4.3	10	487	22000	2700	0.54	1.69	0.40	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	9/3/2022	5803	H/o Lab Patiala	7.1	3.3	12	545	24000	3400	0.01	1.71	0.42	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	9/3/2022	5807	H/o Lab Patiala	7.7	4.2	10	493	24000	3400	0.34	1.39	0.40	D	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	9/3/2022	5808	H/o Lab Patiala	7.5	3.7	13	672	28000	4600	0.26	2.00	0.43	E	U
8	Ghaggar at Rattanheri	1473	22/3/2022	5815	H/o Lab Patiala	7.3	3.1	11	613	28000	3800	0.13	1.82	1.33	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	23/3/2022	5816	H/o Lab Patiala	7.3	3.4	10	594	28000	3300	0.12	1.85	0.49	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	23/3/2022	5817	H/o Lab Patiala	7.4	2.9	14	704	35000	4700	0.18	1.86	0.94	E	U
11	Ghaggar at Khanauri	1024	23/3/2022	5820	H/o Lab Patiala	7.3	3.1	15	692	35000	5800	0.14	2.02	0.93	E	U
12	Ghaggar at Moonak	1703	23/3/2022	5822	H/o Lab Patiala	7.4	3.0	16	710	43000	9200	0.22	2.06	0.58	E	U
13	Ghaggar at U/s Sardulgarh	1705	23/3/2022	5823	H/o Lab Patiala	7.7	6.2	10	472	21000	2600	0.32	1.57	0.27	D	U
14	Ghaggar at D/s Sardulgarh	1704	23/3/2022	5824	H/o Lab Patiala	7.6	5.8	11	543	28000	3200	0.28	1.58	0.35	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	9/3/2022	5799	H/o Lab Patiala	37	415	423	299	255	27	8	118	29	11	216	BDL	10.3	0.7	14.4	1.1	1.0	45	18
2	Ghaggar at Bhankarpur	1295	9/3/2022	5800	H/o Lab Patiala	71	430	438	329	283	31	10	163	42	14	220	BDL	11.2	1.0	15.7	1.0	1.1	54	20
3	Ghaggar at Chattbir	1698	9/3/2022	5801	H/o Lab Patiala	76	480	473	399	339	39	12	192	47	18	238	BDL	11.6	1.1	16.2	1.2	1.2	67	27
4	Ghaggar at U/s Jharmal Nadi	1702	9/3/2022	5802	H/o Lab Patiala	54	390	310	298	254	26	11	112	30	9	218	BDL	10.7	1.1	15.0	1.1	1.0	41	17
5	Ghaggar at D/s Jharmal Nadi	1701	9/3/2022	5803	H/o Lab Patiala	62	400	409	345	294	33	10	175	45	15	221	BDL	11.9	1.1	16.8	1.3	1.2	52	23
6	Ghaggar at U/s Dhakanshu Nallah	1699	9/3/2022	5807	H/o Lab Patiala	51	230	239	318	272	37	10	148	38	13	211	BDL	11.3	1.0	15.7	1.2	1.1	39	17
7	Ghaggar at D/s Dhakanshu Nallah	1700	9/3/2022	5808	H/o Lab Patiala	66	230	243	419	357	49	17	227	51	24	239	BDL	13.2	1.2	18.5	1.2	1.3	69	34
8	Ghaggar at Rattanheri	1473	22/3/2022	5815	H/o Lab Patiala	61	240	253	393	337	46	18	199	45	21	227	BDL	12.7	1.2	17.8	1.3	1.2	59	27
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	23/3/2022	5816	H/o Lab Patiala	60	230	227	378	321	41	16	179	42	18	223	BDL	12.4	1.1	17.4	1.3	1.0	57	26
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	23/3/2022	5817	H/o Lab Patiala	65	250	262	413	353	49	19	211	48	22	232	BDL	11.7	1.2	16.4	1.4	1.2	62	31
11	Ghaggar at Khanauri	1024	23/3/2022	5820	H/o Lab Patiala	68	260	277	411	352	43	18	191	45	19	239	BDL	14.3	1.1	20.0	1.4	1.3	64	32
12	Ghaggar at Moonak	1703	23/3/2022	5822	H/o Lab Patiala	74	270	283	463	394	56	27	258	57	28	251	BDL	14.5	1.2	20.3	1.4	1.3	76	43
13	Ghaggar at U/s Sardulgarh	1705	23/3/2022	5823	H/o Lab Patiala	53	45	57	307	262	29	10	136	33	13	216	BDL	10.7	1.0	14.5	1.2	1.1	42	18
14	Ghaggar at D/s Sardulgarh	1704	23/3/2022	5824	H/o Lab Patiala	60	50	62	353	301	36	13	183	42	19	226	BDL	11.2	1.1	15.7	1.2	1.2	49	23

Note. 1. BDL means Below Method Detection Limit

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