

Quality of Water of Polluted River stretches in Punjab for the month of June, 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	10.06.2022	SW 164	ZO Lab LDH	7.7	8.0	BDL	250	1700	680	BDL	0.41	0.12	C	S
2	River Satluj D/S of Rishab- Paper Mills	1293	10.06.2022	SW 165	ZO Lab LDH	7.7	8.4	BDL	257	2000	680	BDL	0.53	0.33	C	S
3	River Satluj U/S Buddha Nallah	1690	13.06.2022	SW 167	ZO Lab LDH	8.2	7.9	BDL	281	3100	1300	0.224	0.99	0.44	C	S
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.06.2022	SW 169	ZO Lab LDH	7.4	1.6	14	539	26,00,000	14,00,000	0.075	2.17	0.28	E	U
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	16.06.2022	SW 172	ZO Lab LDH	7.7	4.1	4.0	516	1,20,000	49,000	0.084	1.32	0.15	D	U
6	River Satluj at D/s East Bein	1381	16.06.2022	SW 173	ZO Lab LDH	7.4	3.8	8.2	974	7,90,000	3,30,000	0.127	2.22	0.38	E	U
7	River Satluj at Harike	1022	16.06.2022	SW 174	ZO Lab LDH	7.7	6.8	1.6	268	2600	1300	BDL	0.85	0.29	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	10.06.2022	SW 164	ZO Lab LDH	BDL	12	BDL	148	124	8	6	106	28	8.7	84	BDL	BDL	1.4	BDL	BDL	0.24	9.6	3.5
2	River Satluj D/S of Rishab- Paper Mills	1293	10.06.2022	SW 165	ZO Lab LDH	BDL	22	14	152	128	10	8	108	28	9.2	74	BDL	BDL	1.5	BDL	BDL	0.22	12.6	3.6
3	River Satluj U/S Buddha Nallah	1690	13.06.2022	SW 167	ZO Lab LDH	BDL	55	43	164	137	12	9	120	35.2	7.8	84	BDL	2.8	2.1	3.8	0.26	0.31	25	6.3
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.06.2022	SW 169	ZO Lab LDH	67	90	57	326	265	63	34	154	38.4	14.1	126	BDL	5.0	2.8	7	1.23	0.32	62	20
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	16.06.2022	SW 172	ZO Lab LDH	23	75	74	312	271	48	29	148	33.6	15.6	128	BDL	2.8	2.2	3.6	0.85	0.28	37	13
6	River Satluj at D/s East Bein	1381	16.06.2022	SW 173	ZO Lab LDH	44	85	26	594	476	96	33	228	43.2	29.2	242	BDL	8.5	2.3	12.4	1.20	0.29	77	23
7	River Satluj at Harike	1022	16.06.2022	SW 174	ZO Lab LDH	8	60	69	162	143	16	12	104	27.2	8.7	96	BDL	BDL	1.8	BDL	0.21	0.25	20	5.9

- 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 June, 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	8/6/22	SW 227	H/o Lab Patiala	8.1	5.3	13	631	24000	3300	0.75	2.08	0.39	D	U
2	Ghaggar at Bhankarpur	1295	8/6/22	SW 228	H/o Lab Patiala	7.6	4.0	23	724	35000	5800	0.31	2.07	0.53	D	U
3	Ghaggar at Chattbir	1698	8/6/22	SW 229	H/o Lab Patiala	7.7	3.4	24	782	35000	6300	0.38	2.17	0.59	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	8/6/22	SW 230	H/o Lab Patiala	8.0	3.7	20	668	28000	4600	0.63	1.77	0.54	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	8/6/22	SW 231	H/o Lab Patiala	7.5	3.2	22	763	35000	6300	0.26	2.08	0.58	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	8/6/22	SW 233	H/o Lab Patiala	7.8	3.4	20	704	35000	4000	0.44	1.75	0.55	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	8/6/22	SW 234	H/o Lab Patiala	7.5	3.0	23	787	35000	7000	0.26	2.12	0.60	E	U
8	Ghaggar at Rattanheri	1473	10/6/22	SW 286	H/o Lab Patiala	7.9	2.8	21	758	35000	6300	0.57	1.93	0.62	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/6/22	SW 287	H/o Lab Patiala	7.6	3.0	20	715	35000	5800	0.31	1.69	0.58	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/6/22	SW 288	H/o Lab Patiala	7.5	2.6	22	783	43000	7000	0.24	1.89	0.64	E	U
11	Ghaggar at Khanauri	1024	10/6/22	SW 291	H/o Lab Patiala	8.0	3.1	19	727	35000	6300	0.62	1.85	0.63	E	U
12	Ghaggar at Moonak	1703	10/6/22	SW 293	H/o Lab Patiala	7.6	3.0	22	788	43000	7900	0.32	2.07	0.65	E	U
13	Ghaggar at U/s Sardulgarh	1705	23/6/22	SW 319	H/o Lab Patiala	7.8	4.7	14	621	24000	3300	0.54	1.88	0.58	D	U
14	Ghaggar at D/s Sardulgarh	1704	23/6/22	SW 320	H/o Lab Patiala	7.7	4.2	15	703	35000	5800	0.36	1.75	0.61	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	8/6/22	SW 227	H/o Lab Patiala	62	470	468	410	349	44	24	186	43	19	247	BDL	11.6	1.3	16.2	1.5	1.3	65	32
2	Ghaggar at Bhankarpur	1295	8/6/22	SW 228	H/o Lab Patiala	94	465	482	469	399	62	27	242	57	24	256	BDL	12.4	1.3	17.4	1.5	1.3	74	38
3	Ghaggar at Chattbir	1698	8/6/22	SW 229	H/o Lab Patiala	98	480	487	508	433	68	31	277	63	29	263	BDL	12.7	1.4	17.8	1.5	1.5	83	41
4	Ghaggar at U/s Jharmal Nadi	1702	8/6/22	SW 230	H/o Lab Patiala	83	440	458	427	363	53	21	219	51	22	251	BDL	12.5	1.4	17.5	1.4	1.4	60	35
5	Ghaggar at D/s Jharmal Nadi	1701	8/6/22	SW 231	H/o Lab Patiala	92	450	463	493	419	62	26	265	60	28	259	BDL	12.8	1.4	17.9	1.5	1.5	78	49
6	Ghaggar at U/s Dhakanshu Nallah	1699	8/6/22	SW 233	H/o Lab Patiala	81	310	312	408	347	61	24	255	59	26	256	BDL	12.6	1.4	17.6	1.5	1.4	64	36
7	Ghaggar at D/s Dhakanshu Nallah	1700	8/6/22	SW 234	H/o Lab Patiala	87	300	329	512	437	64	28	283	62	31	264	BDL	12.9	1.5	18.1	1.5	1.5	82	51
8	Ghaggar at Rattanheri	1473	10/6/22	SW 286	H/o Lab Patiala	85	320	331	493	421	65	27	279	64	29	268	BDL	12.7	1.4	17.8	1.4	1.5	74	38
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/6/22	SW 287	H/o Lab Patiala	83	290	337	459	392	58	24	255	59	26	265	BDL	12.5	1.4	17.5	1.3	1.4	62	33
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/6/22	SW 288	H/o Lab Patiala	93	280	345	509	434	67	30	297	66	32	272	BDL	12.2	1.5	17.1	1.5	1.5	75	39
11	Ghaggar at Khanauri	1024	10/6/22	SW 291	H/o Lab Patiala	80	290	312	472	403	58	27	263	59	28	263	BDL	12.4	1.4	17.4	1.4	1.4	69	38
12	Ghaggar at Moonak	1703	10/6/22	SW 293	H/o Lab Patiala	88	300	319	512	437	64	30	291	65	31	275	BDL	12.6	1.5	17.6	1.5	1.4	81	40
13	Ghaggar at U/s Sardulgarh	1705	23/6/22	SW 319	H/o Lab Patiala	74	115	121	404	344	48	19	214	49	22	242	BDL	11.9	1.3	16.7	1.5	1.4	63	24
14	Ghaggar at D/s Sardulgarh	1704	23/6/22	SW 320	H/o Lab Patiala	79	120	132	457	389	57	25	260	58	28	258	BDL	12.1	1.4	16.9	1.5	1.4	65	33

Note. 1. BDL means Below Method Detection Limit

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