

Quality of Water of Polluted River stretches in Punjab for the month of January, 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	14.01.2022	SW 163	ZO Lab LDH	8.0	8.8	BDL	331	3400	830	BDL	0.66	0.14	C	S
2	River Satluj D/S of Rishab- Paper Mills	1293	14.01.2022	SW 164	ZO Lab LDH	8.2	9.0	BDL	348	3400	1100	BDL	0.76	0.28	C	S
3	River Satluj U/S Buddha Nallah	1690	17.01.2022	SW 166	ZO Lab LDH	7.9	8.0	1.2	371	3900	1700	0.040	0.85	0.30	C	S
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	17.01.2022	SW 168	ZO Lab LDH	7.4	1.2	19	667	28,00,000	9,40,000	0.075	2.42	0.50	E	U
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	18.01.2022	SW 170	ZO Lab LDH	7.6	4.8	4.8	465	2,20,000	70,000	0.070	1.52	0.30	D	U
6	River Satluj at D/s East Bein	1381	18.01.2022	SW 171	ZO Lab LDH	7.7	4.1	7.2	591	6,30,000	2,10,000	0.135	2.17	0.41	D	U
7	River Satluj at Harike	1022	18.01.2022	SW 172	ZO Lab LDH	7.8	5.8	2.0	324	4700	2100	0.035	0.99	0.33	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	14.01.2022	SW 163	ZO Lab Ldh	BDL	39	48	195	171	15	12	164	37.6	17.0	108	BDL	BDL	1.3	BDL	BDL	0.21	19.3	2.0
2	River Satluj D/S of Rishab- Paper Mills	1293	14.01.2022	SW 164	ZO Lab Ldh	BDL	23	38	205	178	16	14	146	34.4	14.6	110	BDL	BDL	1.2	BDL	BDL	0.32	21.2	2.4
3	River Satluj U/S Buddha Nallah	1690	17.01.2022	SW 166	ZO Lab Ldh	7	56	84	215	187	21	19	152	36	15.1	118	BDL	0.9	1.6	1.6	0.32	0.34	24.2	2.3
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	17.01.2022	SW 168	ZO Lab LDH	88	85	152	416	318	80	34	186	45.6	17.5	194	BDL	5.0	1.8	7.1	2.12	0.57	76	7.6
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	18.01.2022	SW 170	ZO Lab LDH	20	65	98	276	225	45	32	158	38.4	15.1	132	BDL	2.8	1.5	3.7	1.03	0.21	44	3.7
6	River Satluj at D/s East Bein	1381	18.01.2022	SW 171	ZO Lab LDH	43	74	114	359	283	70	35	180	44	17.0	162	BDL	4.5	1.5	6.6	1.45	0.23	67	5.8
7	River Satluj at Harike	1022	18.01.2022	SW 172	ZO Lab LDH	12	35	72	191	161	25	16	140	35.2	12.6	120	BDL	1.0	1.3	1.7	0.52	0.27	27	2.7

- 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 January, 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	11/1/2022	5584	H/o Lab Patiala	7.6	4.6	8	521	22000	3200	0.22	2.05	0.31	D	U
2	Ghaggar at Bhankarpur	1295	11/1/2022	5585	H/o Lab Patiala	7.4	4.1	13	671	28000	3800	0.15	2.05	0.48	D	U
3	Ghaggar at Chattbir	1698	11/1/2022	5586	H/o Lab Patiala	7.2	4.0	14	691	28000	4000	0.10	2.05	0.50	D	U
4	Ghaggar at U/s Jharmal Nadi	1702	11/1/2022	5587	H/o Lab Patiala	7.6	4.0	11	549	28000	3900	0.0	1.81	0.43	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	11/1/2022	5588	H/o Lab Patiala	7.4	3.5	14	702	35000	4700	0.16	1.74	0.48	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	11/1/2022	5590	H/o Lab Patiala	7.5	4.0	13	635	28000	3800	0.23	1.69	0.40	D	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	11/1/2022	5591	H/o Lab Patiala	7.4	3.0	18	765	35000	4600	0.18	1.93	0.47	E	U
8	Ghaggar at Rattanheri	1473	13/1/2022	5598	H/o Lab Patiala	7.3	3.1	15	715	28000	3900	0.14	1.89	0.52	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	13/1/2022	5599	H/o Lab Patiala	7.4	3.3	15	702	28000	3400	0.20	1.84	0.50	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	13/1/2022	5600	H/o Lab Patiala	7.4	2.8	19	748	35000	6300	0.20	1.91	0.54	E	U
11	Ghaggar at Khanauri	1024	13/1/2022	5503	H/o Lab Patiala	7.4	3.4	16	692	28000	4300	0.20	1.85	0.55	E	U
12	Ghaggar at Moonak	1703	13/1/2022	5505	H/o Lab Patiala	7.7	3.2	18	819	35000	7000	0.44	1.93	0.59	E	U
13	Ghaggar at U/s Sardulgarh	1705	19/1/2022	5618	H/o Lab Patiala	7.2	5.3	11	519	22000	3200	0.09	1.65	0.29	D	U
14	Ghaggar at D/s Sardulgarh	1704	19/1/2022	5619	H/o Lab Patiala	7.3	5.1	14	602	24000	3400	0.10	1.73	0.36	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	11/1/2022	5584	H/o Lab Patiala	51	290	315	335	287	35	12	131	31	13	221	BDL	8.8	1.0	12.3	1.2	1.2	54	21
2	Ghaggar at Bhankarpur	1295	11/1/2022	5585	H/o Lab Patiala	83	300	365	429	367	47	19	214	51	21	239	BDL	10.2	1.2	14.2	1.4	1.2	69	31
3	Ghaggar at Chattbir	1698	11/1/2022	5586	H/o Lab Patiala	80	280	310	441	376	53	20	229	55	22	240	BDL	10.5	1.3	14.7	1.5	1.2	71	26
4	Ghaggar at U/s Jharmal Nadi	1702	11/1/2022	5587	H/o Lab Patiala	68	265	275	356	305	33	15	151	37	14	227	BDL	9.9	1.1	13.9	1.3	1.1	51	22
5	Ghaggar at D/s Jharmal Nadi	1701	11/1/2022	5588	H/o Lab Patiala	79	275	285	442	378	54	19	248	61	23	233	BDL	10.9	1.2	15.3	1.3	1.2	63	28
6	Ghaggar at U/s Dhakanshu Nallah	1699	11/1/2022	5590	H/o Lab Patiala	66	180	210	412	353	54	17	215	53	20	229	BDL	11.6	1.2	16.2	1.3	1.2	57	24
7	Ghaggar at D/s Dhakanshu Nallah	1700	11/1/2022	5591	H/o Lab Patiala	84	210	237	498	423	62	27	296	67	31	246	BDL	12.2	1.3	17.1	1.4	1.4	76	38
8	Ghaggar at Rattanheri	1473	13/1/2022	5598	H/o Lab Patiala	81	190	224	463	395	56	23	252	58	26	243	BDL	13.7	1.2	19.2	1.3	1.2	69	37
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	13/1/2022	5599	H/o Lab Patiala	79	170	219	453	386	56	21	237	55	24	241	BDL	13.2	1.2	18.5	1.4	1.2	65	36
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	13/1/2022	5600	H/o Lab Patiala	87	195	239	486	414	59	24	269	63	27	249	BDL	13.0	1.2	18.2	1.4	1.2	72	43
11	Ghaggar at Khanauri	1024	13/1/2022	5503	H/o Lab Patiala	74	180	172	427	363	46	20	214	49	22	238	BDL	13.6	1.1	19.0	1.3	1.2	62	33
12	Ghaggar at Moonak	1703	13/1/2022	5505	H/o Lab Patiala	85	200	209	533	454	66	31	335	73	37	259	BDL	14.6	1.3	20.4	1.3	1.2	81	46
13	Ghaggar at U/s Sardulgarh	1705	19/1/2022	5618	H/o Lab Patiala	56	45	67	311	265	33	11	154	35	16	223	BDL	9.8	1.1	13.7	1.3	1.1	47	22
14	Ghaggar at D/s Sardulgarh	1704	19/1/2022	5619	H/o Lab Patiala	64	50	76	389	331	39	14	197	46	20	233	BDL	10.7	1.2	15.0	1.3	1.2	56	28

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