

Quality of Water of Polluted River stretches in Punjab for the month of June, 2020
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	10.06.20	SW 1373	ZO Lab Ldh	7.6	8.5	<1	255	470	130	BDL	0.30	0.14	B	S
2	River Satluj D/S of Rishab- Paper Mills	1293	10.06.20	SW 1374	ZO Lab Ldh	7.9	8.0	<1	256	580	250	BDL	0.38	0.30	C	S
3	River Satluj U/S Buddha Nallah	1690	11.06.20	SW 1380	ZO Lab Ldh	7.9	6.3	1.8	313	940	320	0.050	0.36	0.14	C	S
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	11.06.20	SW 1382	ZO Lab Ldh	6.6	2.2	14	441	3,50,000	1,30,000	BDL	0.80	0.24	E	U
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	12.06.20	SW 1386	ZO Lab Ldh	7.3	3.9	4.8	425	1,10,000	33,000	0.022	0.60	0.19	E	U
6	River Satluj at D/s East Bein	1381	12.06.20	SW 1387	ZO Lab Ldh	7.0	3.1	5.4	553	1,70,000	58,000	BDL	1.00	0.21	E	U
7	River Satluj at Harike	1022	12.06.20	SW 1388	ZO Lab Ldh	7.4	5.9	2.8	278	4900	1700	0.018	0.46	0.26	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	10.06.20	SW 1373	ZO Lab Ldh	<5	34	29	150	132	8	8	136	30.4	14.6	82	BDL	BDL	1.6	BDL	0.11	0.21	8.1	1.7
2	River Satluj D/S of Rishab- Paper Mills	1293	10.06.20	SW 1374	ZO Lab Ldh	<5	30	34	152	131	9	9	116	26.4	12.2	90	BDL	BDL	1.4	BDL	BDL	0.22	9.3	1.8
3	River Satluj U/S Buddha Nallah	1690	11.06.20	SW 1380	ZO Lab Ldh	10	72	116	176	150	12	10	150	35.2	15.1	98	BDL	1.1	1.6	1.3	0.12	0.28	10.0	2.3
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	11.06.20	SW 1382	ZO Lab Ldh	56	42	81	237	187	37	16	162	38.4	16.0	88	BDL	2.8	1.6	3.6	0.40	0.35	23.3	6.8
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	12.06.20	SW 1386	ZO Lab Ldh	21	73	90	227	182	30	12	158	34.4	17.5	114	BDL	2.2	1.3	2.9	0.14	0.26	17.4	2.1
6	River Satluj at D/s East Bein	1381	12.06.20	SW 1387	ZO Lab Ldh	26	78	102	306	242	49	20	166	36.8	18.0	146	BDL	3.4	1.6	4.2	0.53	0.31	29.7	3.7
7	River Satluj at Harike	1022	12.06.20	SW 1388	ZO Lab Ldh	13	70	124	159	132	19	6	108	25.6	10.7	90	BDL	1.2	1.3	1.4	0.09	0.21	11.1	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 June, 2020

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	4/6/20	SW 2405	H/o Lab Patiala	8.0	6.2	7	565	17000	2600	0.62	1.76	0.46	D	U
2	Ghaggar at Bhankarpur	1295	4/6/20	SW 2406	H/o Lab Patiala	7.7	3.2	23	838	28000	3200	0.45	2.01	0.53	E	U
3	Ghaggar at Chattbir	1698	4/6/20	SW 2407	H/o Lab Patiala	7.6	3.4	14	783	24000	2700	0.35	2.09	0.50	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	4/6/20	SW 2408	H/o Lab Patiala	7.7	4.6	11	730	28000	3300	0.37	2.19	0.47	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	4/6/20	SW 2409	H/o Lab Patiala	7.7	2.7	22	1038	35000	4300	0.43	2.86	0.99	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	4/6/20	SW 2411	H/o Lab Patiala	7.5	3.2	10	732	21000	3100	0.26	3.18	0.81	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	4/6/20	SW 2412	H/o Lab Patiala	7.6	2.9	13	943	28000	3900	0.34	3.56	0.89	E	U
8	Ghaggar at Rattanheri	1473	9/6/20	SW 2422	H/o Lab Patiala	7.4	2.9	23	890	28000	3800	0.22	2.15	0.91	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	9/6/20	SW 2423	H/o Lab Patiala	7.4	2.7	22	908	28000	3900	0.21	2.24	0.93	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	9/6/20	SW 2424	H/o Lab Patiala	7.3	1.0	28	977	35000	4600	0.01	2.47	0.97	E	U
11	Ghaggar at Khanauri	1024	9/6/20	SW 2427	H/o Lab Patiala	7.1	2.0	16	817	28000	4000	0.006	2.24	0.89	E	U
12	Ghaggar at Moonak	1703	9/6/20	SW 2429	H/o Lab Patiala	7.1	1.8	18	905	35000	4700	0.007	2.28	0.95	E	U
13	Ghaggar at U/s Sardulgarh	1705	17/6/20	SW 2469	H/o Lab Patiala	7.5	3.6	14	722	22000	2600	0.24	1.84	0.83	E	U
14	Ghaggar at D/s Sardulgarh	1704	17/6/20	SW 2470	H/o Lab Patiala	7.3	3.2	16	827	28000	3100	0.13	1.89	0.89	E	U

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1	Ghaggar at Mubarikpur Rest House	1023	4/6/20	SW 2405	H/o Lab Patiala	32	820	434	339	288	38	16	135	36	11	223	BDL	12.3	1.32	17.2	0.14	1.0	47	21
2	Ghaggar at Bhankarpur	1295	4/6/20	SW 2406	H/o Lab Patiala	96	800	391	503	428	74	29	291	72	27	253	BDL	14.9	1.2	20.9	1.9	1.0	79	33
3	Ghaggar at Chattbir	1698	4/6/20	SW 2407	H/o Lab Patiala	62	180	139	470	399	71	23	257	63	24	246	BDL	14.0	1.1	19.6	1.3	0.9	77	27
4	Ghaggar at U/s Jharmal Nadi	1702	4/6/20	SW 2408	H/o Lab Patiala	53	40	68	438	372	66	21	211	53	19	238	BDL	12.3	0.9	17.2	1.2	0.8	73	26
5	Ghaggar at D/s Jharmal Nadi	1701	4/6/20	SW 2409	H/o Lab Patiala	98	45	76	623	530	93	31	355	78	39	297	BDL	14.2	1.3	19.9	3.5	1.3	124	40
6	Ghaggar at U/s Dhakanshu Nallah	1699	4/6/20	SW 2411	H/o Lab Patiala	51	20	41	439	373	64	19	195	50	17	245	BDL	13.1	1.0	18.3	0.9	0.9	102	32
7	Ghaggar at D/s Dhakanshu Nallah	1700	4/6/20	SW 2412	H/o Lab Patiala	60	25	53	566	481	74	24	234	59	21	273	BDL	13.7	1.0	19.2	1.7	1.0	125	61
8	Ghaggar at Rattanheri	1473	9/6/20	SW 2422	H/o Lab Patiala	97	50	79	534	544	78	32	283	67	28	277	BDL	14.9	1.7	20.9	4.5	1.2	83	41
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	9/6/20	SW 2423	H/o Lab Patiala	96	60	83	545	463	82	31	279	64	29	281	BDL	14.2	1.5	19.9	3.9	0.9	86	45
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	9/6/20	SW 2424	H/o Lab Patiala	120	100	125	586	498	93	35	336	80	33	292	BDL	13.2	1.6	18.5	5.3	1.0	104	51
11	Ghaggar at Khanauri	1024	9/6/20	SW 2427	H/o Lab Patiala	73	115	142	490	417	66	23	267	59	29	264	BDL	12.7	1.0	17.8	4.4	1.0	84	32
12	Ghaggar at Moonak	1703	9/6/20	SW 2429	H/o Lab Patiala	81	110	139	543	462	76	33	303	65	34	280	BDL	13.0	1.2	18.2	5.1	1.1	91	37
13	Ghaggar at U/s Sardulgarh	1705	17/6/20	SW 2469	H/o Lab Patiala	64	70	93	433	368	60	26	215	53	20	259	BDL	11.9	0.9	16.7	1.5	1.0	52	32
14	Ghaggar at D/s Sardulgarh	1704	17/6/20	SW 2470	H/o Lab Patiala	72	90	112	496	422	69	31	261	60	27	272	BDL	12.6	1.0	17.6	2.6	1.2	70	37

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