

## Quality of Water of Polluted River stretches in Punjab for the month of September, 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 $\mu$ 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	07.09.20	SW 1587	ZO Lab Ldh	7.6	8.4	<1	223	920	400	BDL	0.14	0.11	C	S
2	River Satluj D/S of Rishab- Paper Mills	1293	07.09.20	SW 1588	ZO Lab Ldh	7.6	7.8	<1	228	1000	400	BDL	0.13	0.33	C	S
3	River Satluj U/S Buddha Nallah	1690	08.09.20	SW 1593	ZO Lab Ldh	7.5	6.9	1.2	244	3200	1700	0.028	0.16	0.12	C	S
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	08.09.20	SW 1595	ZO Lab Ldh	6.8	3.0	7.2	420	11,00,000	7,90,000	BDL	0.55	0.34	E	N
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	10.09.20	SW 1599	ZO Lab Ldh	7.2	4.3	2.0	328	2,70,000	1,40,000	0.022	0.34	0.21	D	N
6	River Satluj at D/s East Bein	1381	10.09.20	SW 1600	ZO Lab Ldh	6.9	4.1	2.4	454	1,10,000	33,000	BDL	0.51	0.25	D	N
7	River Satluj at Harike	1022	10.09.20	SW 1601	ZO Lab Ldh	7.0	5.1	1.2	274	5800	1300	BDL	0.29	0.31	D	N

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	07.09.20	SW 1587	ZO Lab Ldh	<5	55	68	132	115	14	16	104	25.6	9.7	84	BDL	BDL	1.2	BDL	BDL	0.20	3.4	1.0
2	River Satluj D/S of Rishab- Paper Mills	1293	07.09.20	SW 1588	ZO Lab Ldh	<5	13	19	129	114	12	14	106	26.4	9.7	86	BDL	BDL	1.3	BDL	BDL	0.17	3.0	1.4
3	River Satluj U/S Buddha Nallah	1690	08.09.20	SW 1593	ZO Lab Ldh	7	45	86	135	115	12	15	110	27.2	10.2	84	BDL	1.4	1.3	1.6	0.09	0.25	3.8	1.5
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	08.09.20	SW 1595	ZO Lab Ldh	38	55	74	241	195	40	23	134	32	13.1	124	BDL	6.6	1.5	8.3	0.27	0.31	14.7	4.1
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	10.09.20	SW 1599	ZO Lab Ldh	17	28	51	183	145	24	19	124	30.4	11.7	100	BDL	2.2	1.3	2.8	0.16	0.24	8.7	2.8
6	River Satluj at D/s East Bein	1381	10.09.20	SW 1600	ZO Lab Ldh	21	42	73	243	193	33	24	144	32.8	15.1	134	BDL	2.6	1.2	3.0	0.81	0.26	14.2	6.8
7	River Satluj at Harike	1022	10.09.20	SW 1601	ZO Lab Ldh	12	70	112	159	134	17	16	110	28	9.7	112	BDL	1.6	1.1	2.0	0.15	0.20	6.9	2.2

- 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 September, 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 $\mu$ 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	4/9/20	SW 2943	H/o Lab Patiala	7.7	4.4	13	579	21000	3100	0.35	1.83	0.51	D	U
2	Ghaggar at Bhankarpur	1295	4/9/20	SW 2944	H/o Lab Patiala	7.1	3.2	24	794	28000	4600	0.001	2.19	0.62	E	U
3	Ghaggar at Chattbir	1698	4/9/20	SW 2945	H/o Lab Patiala	7.0	2.5	15	723	28000	3800	BDL	2.19	0.59	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	4/9/20	SW 2946	H/o Lab Patiala	7.2	3.7	18	746	24000	3400	0.097	2.16	0.49	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	4/9/20	SW 2947	H/o Lab Patiala	7.2	3.1	22	992	28000	4900	0.121	2.54	0.57	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	4/9/20	SW 2949	H/o Lab Patiala	7.2	2.70	14	792	22000	3200	0.097	3.13	0.70	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	4/9/20	SW 2950	H/o Lab Patiala	7.2	2.3	17	864	28000	4000	0.110	3.21	0.78	E	U
8	Ghaggar at Rattanheri	1473	8/9/20	SW 2956	H/o Lab Patiala	7.2	3.2	25	866	28000	3900	0.150	2.29	0.64	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/9/20	SW 2957	H/o Lab Patiala	7.3	3.4	22	840	28000	3800	0.132	2.28	0.70	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/9/20	SW 2958	H/o Lab Patiala	7.3	3.2	27	952	28000	4000	0.120	2.55	0.73	E	U
11	Ghaggar at Khanauri	1024	8/9/20	SW 2961	H/o Lab Patiala	7.0	3.8	17	725	28000	4000	BDL	2.26	0.71	E	U
12	Ghaggar at Moonak	1703	8/9/20	SW 2963	H/o Lab Patiala	7.3	4.0	19	766	28000	4700	0.14	2.30	0.74	D	U
13	Ghaggar at U/s Sardulgarh	1705	8/9/20	SW 2964	H/o Lab Patiala	7.0	5.2	13	597	22000	2700	BDL	1.35	0.69	D	U
14	Ghaggar at D/s Sardulgarh	1704	8/9/20	SW 2965	H/o Lab Patiala	7.1	4.9	18	720	24000	3400	0.005	1.86	0.73	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	4/9/20	SW 2943	H/o Lab Patiala	66	270	249	376	320	46	19	159	42	13	234	BDL	11.7	1.3	16.4	0.68	1.0	53	29
2	Ghaggar at Bhankarpur	1295	4/9/20	SW 2944	H/o Lab Patiala	122	250	234	516	439	77	36	293	71	28	247	BDL	14.3	1.2	20.0	2.12	1.2	86	34
3	Ghaggar at Chattbir	1698	4/9/20	SW 2945	H/o Lab Patiala	74	140	132	470	399	76	25	246	54	27	243	BDL	11.1	1.1	15.5	1.41	1.0	79	29
4	Ghaggar at U/s Jharmal Nadi	1702	4/9/20	SW 2946	H/o Lab Patiala	88	100	113	484	411	78	29	260	61	26	246	BDL	9.7	1.0	13.6	1.30	1.2	80	28
5	Ghaggar at D/s Jharmal Nadi	1701	4/9/20	SW 2947	H/o Lab Patiala	112	80	109	645	548	113	43	402	85	46	287	BDL	12.1	1.4	16.9	2.1	1.3	117	45
6	Ghaggar at U/s Dhakanshu Nallah	1699	4/9/20	SW 2949	H/o Lab Patiala	72	25	43	515	438	71	23	247	59	24	256	BDL	9.7	1.2	13.6	1.4	1.0	113	39
7	Ghaggar at D/s Dhakanshu Nallah	1700	4/9/20	SW 2950	H/o Lab Patiala	84	40	69	562	478	80	28	279	67	27	269	BDL	10.6	1.5	14.8	1.6	1.1	123	47
8	Ghaggar at Rattanheri	1473	8/9/20	SW 2956	H/o Lab Patiala	123	40	74	563	479	81	34	346	79	36	273	BDL	14.7	1.5	20.6	2.4	1.3	98	38
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/9/20	SW 2957	H/o Lab Patiala	111	50	79	546	464	79	31	321	74	33	270	BDL	13.2	1.4	18.5	2.2	1.2	94	39
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/9/20	SW 2958	H/o Lab Patiala	133	35	62	619	526	89	38	379	87	39	281	BDL	11.9	1.6	16.7	2.7	1.5	114	49
11	Ghaggar at Khanauri	1024	8/9/20	SW 2961	H/o Lab Patiala	84	45	58	471	400	61	24	255	59	26	263	BDL	13.1	1.2	18.3	1.7	1.1	83	27
12	Ghaggar at Moonak	1703	8/9/20	SW 2963	H/o Lab Patiala	94	55	77	498	423	65	27	277	63	29	269	BDL	14.0	1.2	19.3	1.7	1.2	88	31
13	Ghaggar at U/s Sardulgarh	1705	8/9/20	SW 2964	H/o Lab Patiala	67	40	46	388	330	53	18	193	46	19	246	BDL	9.1	1.0	12.7	1.1	1.0	43	29
14	Ghaggar at D/s Sardulgarh	1704	8/9/20	SW 2965	H/o Lab Patiala	90	50	57	468	398	69	25	252	58	26	258	BDL	9.9	1.1	13.9	1.3	1.1	68	34

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