

## Quality of Water of Polluted River stretches in Punjab for the month of June, 2021

### 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	7.6.2021	SW 2063	ZO Lab Ldh	7.5	8.3	BDL	278	700	260	BDL	0.21	0.10	C	S
2	River Satluj D/S of Rishab- Paper Mills	1293	7.6.2021	SW 2064	ZO Lab Ldh	7.4	8.0	BDL	275	790	330	BDL	0.19	0.30	C	S
3	River Satluj U/S Buddha Nallah	1690	7.6.2021	SW 2071	ZO Lab Ldh	7.3	5.7	BDL	296	1700	780	0.008	0.35	0.42	C	S
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	7.6.2021	SW 2073	ZO Lab Ldh	7.0	1.0	7.5	482	13,00,000	7,80,000	BDL	1.01	0.37	E	U
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.6.2021	SW 2075	ZO Lab Ldh	7.5	3.5	3.2	339	4,60,000	1,70,000	0.044	0.51	0.28	E	U
6	River Satluj at D/s East Bein	1381	7.6.2021	SW 2076	ZO Lab Jal.	7.3	3.1	3.4	451	5,40,000	1,40,000	0.025	0.94	0.35	E	U
7	River Satluj at Harike	1022	7.6.2021	SW 2077	ZO Lab Ldh	7.9	6.5	2.0	282	4000	1700	0.081	0.39	0.30	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 <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	7.6.2021	SW 2063	ZO Lab Ldh	BDL	5	BDL	137	113	9	8	116	30.4	9.7	79	BDL	BDL	1.5	BDL	BDL	0.25	5.3	2.0
2	River Satluj D/S of Rishab- Paper Mills	1293	7.6.2021	SW 2064	ZO Lab Ldh	BDL	7	BDL	145	120	8	8	124	32	10.7	86	BDL	BDL	1.7	BDL	BDL	0.26	4.8	1.8
3	River Satluj U/S Buddha Nallah	1690	7.6.2021	SW 2071	ZO Lab Ldh	BDL	62	52	162	127	11	8	124	33.6	9.7	87	BDL	0.8	2.0	1.6	0.35	0.32	8.9	2.6
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	7.6.2021	SW 2073	ZO Lab Ldh	32	112	174	293	221	51	34	146	38.4	12.2	122	BDL	3.2	2.4	4.8	1.0	0.32	28	10.9
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.6.2021	SW 2075	ZO Lab Ldh	18	92	124	206	164	24	18	138	36.8	11.2	109	BDL	2.2	2.1	2.7	0.5	0.29	13.9	3.4
6	River Satluj at D/s East Bein	1381	7.6.2021	SW 2076	ZO Lab Ldh	20	110	130	266	206	36	24	146	37.6	12.6	137	BDL	2.5	2.0	3.1	0.6	0.27	26	5.9
7	River Satluj at Harike	1022	7.6.2021	SW 2077	ZO Lab Ldh	12	82	86	181	143	25	16	134	36	10.7	102	BDL	1.8	1.9	2.3	0.3	0.25	10.3	2.9

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, 2021**  
**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	8.6.2021	4240	H/o Lab Patiala	7.8	4.2	17	615	22000	2700	0.29	1.94	0.49	D	U
2	Ghaggar at Bhankarpur	1295	8.6.2021	4241	H/o Lab Patiala	7.6	2.1	35	932	28000	6300	0.36	2.55	0.72	E	U
3	Ghaggar at Chattbir	1698	8.6.2021	4242	H/o Lab Patiala	7.5	2.0	37	965	28000	4900	0.27	2.66	0.69	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	8.6.2021	4243	H/o Lab Patiala	7.7	2.6	27	802	28000	4000	0.28	2.17	0.61	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	8.6.2021	4244	H/o Lab Patiala	7.7	2.3	33	914	35000	4600	0.36	2.18	0.71	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	8.6.2021	4246	H/o Lab Patiala	7.8	3.1	21	792	28000	3900	0.39	2.16	0.65	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	8.6.2021	4247	H/o Lab Patiala	7.7	3.0	26	910	35000	6300	0.35	2.15	0.74	E	U
8	Ghaggar at Rattanheri	1473	11.6.2021	4256	H/o Lab Patiala	7.5	2.1	24	953	28000	4000	0.26	2.25	0.82	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11.6.2021	4257	H/o Lab Patiala	7.8	2.2	24	924	28000	3800	0.45	2.17	0.79	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11.6.2021	4258	H/o Lab Patiala	7.7	2.0	26	1012	35000	4700	0.37	2.28	0.84	E	U
11	Ghaggar at Khanauri	1024	11.6.2021	4261	H/o Lab Patiala	7.8	2.3	21	867	28000	4000	0.43	2.34	0.78	E	U
12	Ghaggar at Moonak	1703	11.6.2021	4263	H/o Lab Patiala	7.7	2.1	24	968	28000	4600	0.40	2.41	0.80	E	U
13	Ghaggar at U/s Sardulgarh	1705	22.6.2021	4424	H/o Lab Patiala	7.7	6.3	9	527	17000	2100	0.25	1.31	0.38	D	U
14	Ghaggar at D/s Sardulgarh	1704	22.6.2021	4425	H/o Lab Patiala	7.8	5.8	13	624	22000	2700	0.32	1.47	0.46	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	8.6.2021	4240	H/o Lab Patiala	84	410	441	399	340	49	27	188	44	19	229	BDL	8.4	1.1	11.8	1.1	1.2	61	29
2	Ghaggar at Bhankarpur	1295	8.6.2021	4241	H/o Lab Patiala	178	390	312	610	519	81	43	354	77	39	276	BDL	14.2	1.4	19.9	3.2	1.6	110	59
3	Ghaggar at Chattbir	1698	8.6.2021	4242	H/o Lab Patiala	183	300	272	629	535	85	45	397	81	35	284	BDL	13.4	1.4	18.8	3.3	1.4	114	62
4	Ghaggar at U/s Jharmal Nadi	1702	8.6.2021	4243	H/o Lab Patiala	142	330	287	522	446	78	33	306	71	31	247	BDL	9.2	1.1	12.9	2.4	1.2	87	40
5	Ghaggar at D/s Jharmal Nadi	1701	8.6.2021	4244	H/o Lab Patiala	174	400	414	595	508	83	46	374	82	41	259	BDL	12.1	1.3	16.9	3.2	1.3	97	56
6	Ghaggar at U/s Dhakanshu Nallah	1699	8.6.2021	4246	H/o Lab Patiala	114	100	138	516	441	61	38	299	62	35	254	BDL	11.1	1.2	15.5	2.1	1.3	86	47
7	Ghaggar at D/s Dhakanshu Nallah	1700	8.6.2021	4247	H/o Lab Patiala	132	140	187	592	505	85	47	363	76	42	267	BDL	11.7	1.4	16.4	2.5	1.2	94	53
8	Ghaggar at Rattanheri	1473	11.6.2021	4256	H/o Lab Patiala	125	45	69	620	529	84	45	398	82	47	272	BDL	13.1	2.1	18.3	3.2	1.5	103	61
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11.6.2021	4257	H/o Lab Patiala	121	40	66	604	514	82	47	377	80	43	267	BDL	12.8	2.0	17.9	3.2	1.4	97	57
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11.6.2021	4258	H/o Lab Patiala	131	50	73	657	562	90	52	424	87	50	282	BDL	12.2	2.3	17.1	3.4	1.6	108	64
11	Ghaggar at Khanauri	1024	11.6.2021	4261	H/o Lab Patiala	112	50	70	567	483	74	42	333	69	39	259	BDL	12.4	1.7	17.4	3.0	1.4	98	52
12	Ghaggar at Moonak	1703	11.6.2021	4263	H/o Lab Patiala	119	55	76	629	536	81	48	387	79	46	275	BDL	13.2	1.8	18.5	3.2	1.5	109	65
13	Ghaggar at U/s Sardulgarh	1705	22.6.2021	4424	H/o Lab Patiala	49	30	41	343	292	37	28	176	34	22	214	BDL	8.2	1.9	11.5	1.6	1.1	40	20
14	Ghaggar at D/s Sardulgarh	1704	22.6.2021	4425	H/o Lab Patiala	63	40	48	405	345	45	30	227	48	26	229	BDL	9.0	1.9	12.6	1.8	1.2	51	29

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