

**Water Quality of River Sai in Uttar Pradesh
Year 2022**

Sampling Points

S. N.	Month	Sampling Points																																															
		Sai river,Bani, Unnao					Sai river, Sirsaghat, Raibareli					Sai river,Rajghat,Raibareli					Sai river, Picnic spot, Raibareli,					Sai river,Gaighat Raibareli, Pratappgarh					Sai river,Belamai Ghat, Pratappgarh					Sai Nadi,at D/s Stream Pratappgarh,near Railway Bridge					Sai Nadi,Jalalpur, Jaunpur												
		pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)													
1	January	-	7.8	3.0	12.0	-	-	-	7.5	4.0	26.9	6300	-	-	6.9	4.5	28.6	7900	-	-	6.7	4.6	29.1	9200	-	-	7.0	4.4	27.5	7000	-	-	6.9	4.2	27.2	7900	-	-	6.2	4.5	29.1	9200	-	-	8.5	3.1	11.2	8000	5000
2	February	-	8.1	3.3	13.6	4900	2300	-	7.3	4.4	27.0	7000	-	-	6.8	4.7	28.8	9200	-	-	6.6	4.8	29.1	9200	-	-	7.2	4.2	27.5	7000	-	-	7.0	4.4	27.2	7900	-	-	6.5	4.7	29.1	9200	-	-	8.0	3.3	11.6	7000	4000
3	March	8.32	8.0	3.1	12.8	7000	3300	7.85	6.9	4.4	27.2	7000	-	7.91	6.6	4.8	29.1	9200	-	7.98	6.2	4.9	29.9	9400	-	7.89	7.0	4.4	28.8	7900	-	7.86	6.8	4.5	28.6	7900	-	7.92	6.3	4.9	29.6	9200	-	8.24	7.7	3.4	12.4	8000	5000
4	April	8.28	6.8	3.3	14.4	9200	2200	7.89	6.8	4.8	28.0	7000	-	8.01	6.5	5.0	29.1	9200	-	8.08	5.9	5.2	29.8	9400	-	7.81	6.2	4.8	29.0	7900	-	7.82	6.3	4.7	28.6	7900	-	7.77	5.8	5.2	30.1	9400	-	8.36	7.5	3.5	11.6	7000	4000
5	May	8.23	5.6	3.2	13.6	5400	2400	8.25	6.8	4.6	27.6	7000	-	8.76	5.8	5.2	29.6	9200	-	8.91	5.2	4.8	30.4	9400	-	7.85	6.1	4.9	29.1	7000	-	7.68	6.0	4.9	30.4	7900	-	7.88	5.6	5.4	32.0	9200	-	8.32	7.7	3.3	10.8	8000	5000
6	June	8.18	6.0	3.4	14.8	7000	3300	8.01	6.2	4.7	28.0	7000	-	8.16	5.7	5.0	30.4	9200	-	8.21	5.5	5.1	31.2	9400	-	7.98	6.0	4.8	29.2	7900	-	7.78	5.8	5.2	31.2	7900	-	7.78	5.8	5.0	30.4	9400	-	8.28	7.8	3.4	10.4	7000	4000
7	July	7.89	4.9	3.7	17.2	7900	4900	8.69	6.5	4.8	28.8	7000	3100	7.98	5.2	5.0	30.4	9200	3300	7.72	5.0	5.2	31.2	9400	4300	8.11	6.7	4.9	30.1	7900	4000	8.01	6.2	5.0	30.6	7900	3900	7.63	5.7	5.2	31.2	9400	4600	8.42	8.4	2.8	9.6	6300	3100
8	August	7.98	5.2	3.5	15.6	6800	4000	8.49	6.8	4.8	28.0	7000	3200	7.69	5.8	5.8	30.1	9200	4300	7.61	5.3	5.6	30.4	9200	4600	7.89	6.3	7.0	33.6	7900	3300	7.84	6.0	6.8	33.3	9200	4600	7.83	6.2	7.2	36.2	11000	5400	8.33	7.6	3.0	9.8	7800	4500
9	September	8.17	5.4	3.4	15.2	7000	4600	8.10	6.7	5.1	28.8	7000	2100	7.96	5.9	5.6	29.4	9200	4900	7.52	5.5	6.1	30.7	9400	4600	7.92	6.5	7.2	34.1	7900	3400	7.81	6.1	7.0	35.2	9400	5400	7.88	6.3	9.0	38.4	11000	6300	8.27	7.4	3.1	10.2	8300	6100
10	October	8.00	5.4	3.3	14.4	6800	4000	7.95	6.9	5.2	28.8	7000	3300	7.69	6.0	5.4	29.4	7900	3300	7.98	5.6	5.9	32.6	9400	3900	7.95	6.7	7.0	29.6	7900	3400	7.78	6.2	7.2	30.8	9400	5400	7.91	6.4	9.0	32.0	11000	6300	8.32	7.7	2.8	9.6	7800	4500
11	November	8.13	5.9	3.1	12.8	6100	4000	7.91	7.3	5.0	29.1	7000	2800	8.05	6.9	5.2	28.5	7900	3300	8.12	6.7	5.2	32.0	9200	4300	7.79	6.8	6.0	23.2	7000	2800	7.91	6.6	6.2	23.0	7900	2800	7.85	6.0	7.6	30.2	7900	3100	8.36	7.8	2.6	9.2	7000	3100
12	December	8.32	6.1	3.0	12.4	5400	2400	7.98	7.5	4.8	29.5	7000	2600	8.10	7.1	5.0	29.1	7900	2800	8.19	6.9	5.0	28.8	9200	4100	7.81	7.0	5.8	23.0	7000	2800	7.94	6.8	6.2	23.7	7900	3000	7.90	6.2	7.2	30.1	7900	3200	8.33	8.2	2.4	8.4	6800	4000
	Average	8.15	6.3	3.3	14.1	6682	3400	8.11	6.9	4.7	28.1	6942	2850	8.03	6.3	5.1	29.4	8767	3650	8.03	5.9	5.2	30.4	9317	4300	7.90	6.6	5.5	28.7	7525	3283	7.84	6.4	5.5	29.2	8258	4183	7.84	6.1	6.2	31.5	9483	4817	8.32	7.9	3.1	10.4	7417	4358
	Category	D					D					D					D					D					D					D																	

Class of water	A	B	C	D	E	Below E
1 Dissolved oxygen (mg/l), min	6.0	5.0	4.0	4.0	-	-
2 Biochemical oxygen demand (mg/l), max	2.0	3.0	3.0	-	-	-
3 Total Coliform (MPN/100ml), max	50	500	5000	-	-	-

A = Drinking water source without conventional treatment but after disinfection

B = Outdoor bathing (organised)

C = Drinking water source after conventional treatment and disinfection

D = Propagation of wild life and fisheries.

E = Irrigation, industrial cooling, controlled waste disposal

Below E = Not meeting A,B,C,D & E criteria

Source: http://www.cpcb.nic.in/Water_Quality_Criteria.php

RAJ (S.A)

Vinay D. S. G. (A.S.G.)

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