

**Water Quality of River Sai in Uttar Pradesh
Year 2023**

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, Pratapgarh					Sai river, Belamai Ghat, Pratapgarh					Sai river, at D/s Stream Pratapgarh, near Railway Bridge					Sai river, Jalalpur, Jaunpur												
		pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)	pH	D.O. (mg/l)	B.O.D. (mg/l)	C.O.D. (mg/l)	Total Coliform (MPN/100ml)	Feacal Coliform (MPN/100ml)						
1	January	8.24	7.5	3.1	13.2	4900	2300	8.10	7.8	4.4	29.4	7000	2600	8.18	7.6	4.6	29.0	7900	2800	8.15	7.4	4.6	28.6	9200	3400	8.13	7.2	5.6	22.9	7900	2600	8.17	6.6	6.0	23.5	7000	2800	8.19	6.6	7.0	29.9	7000	3000	8.36	8.4	2.6	8.6	7000	4300
2	February	8.11	8.0	3.0	12.8	4700	2700	8.20	7.7	4.5	28.0	7000	2200	8.12	7.4	4.6	28.5	7900	2400	8.10	7.2	4.7	28.6	9200	3200	8.18	7.5	5.4	22.4	7000	2400	8.11	6.9	6.8	30.1	7000	2600	8.10	7.0	6.1	23.7	7900	3200	8.38	8.6	2.4	8.2	6300	4300
3	March	8.14	7.8	3.2	13.6	5400	2400	8.16	7.9	4.4	29.1	7000	2400	8.10	7.2	4.8	29.8	9400	3200	8.09	7.3	4.7	29.4	7900	2800	8.14	7.6	5.5	22.7	7000	2100	7.98	7.1	6.6	29.4	7000	2400	8.12	7.0	6.2	23.4	7900	3200	8.36	8.4	2.6	8.6	7000	4600
4	April	8.03	4.6	4.0	15.6	7000	3300	8.18	7.9	4.6	29.8	7900	2600	8.12	7.3	5.0	30.1	9400	3300	8.05	7.7	4.9	30.4	9200	3000	8.10	7.5	5.7	23.4	7900	2400	7.97	7.0	6.1	28.8	7900	2600	8.15	6.8	6.3	24.3	9400	3400	8.32	8.0	2.8	9.2	8400	5800
5	May	7.98	4.0	4.2	16.8	7900	4900	8.22	7.7	4.7	30.1	9200	2700	8.20	7.2	5.1	30.7	11000	3400	8.11	7.5	4.8	30.4	9400	3200	8.16	7.2	5.9	23.5	7900	2600	7.99	7.0	6.2	29.0	7900	2800	8.10	6.7	6.4	29.4	9400	3400	8.33	7.8	3.0	9.8	7000	4600
6	June	7.81	4.8	4.0	16.0	6800	4000	8.18	7.6	4.6	29.8	7900	2400	8.16	7.2	5.0	30.4	9400	3200	8.09	7.5	4.7	30.1	9200	2600	8.13	7.1	5.8	23.4	7900	2400	7.94	7.0	6.0	24.0	7900	2600	8.11	6.8	6.2	24.3	9400	3200	8.32	7.6	3.2	10.4	7900	4900
7	July	7.72	3.5	4.3	17.6	7000	2300	8.11	7.7	4.2	29.4	7000	2300	8.22	7.5	4.8	30.7	9200	3300	8.18	7.3	4.3	30.4	7900	2400	8.15	7.2	5.7	23.2	7000	2400	7.92	7.1	6.1	28.6	7000	2600	8.09	6.9	6.2	24.6	9200	3300	8.28	7.4	3.3	10.8	6300	4300
8	August	7.88	4.6	4.1	16.4	6800	4000	8.06	7.2	4.1	23.2	7000	2300	8.12	7.0	4.6	24.2	7000	3900	8.18	6.8	4.7	24.5	9200	4100	8.10	7.5	5.4	23.4	5400	2300	8.05	7.3	5.8	28.8	5400	2100	8.07	7.2	5.9	24.8	9400	3400	8.22	7.3	3.4	11.2	7000	4600
9	September	5.92	5.6	3.8	15.2	6100	4000	8.13	7.8	3.9	28.8	5400	2000	8.19	7.5	4.6	30.1	7900	2600	8.20	7.3	4.1	29.8	7000	2100	8.07	7.7	5.3	23.0	4900	2200	8.02	7.4	5.7	28.5	4900	2100	7.99	7.3	5.8	24.6	9200	3300	8.13	7.4	3.3	10.8	6300	3300
10	October	8.02	6.2	3.6	14.4	5400	2400	8.10	7.6	3.8	28.5	4900	1700	8.15	7.3	4.4	29.8	7000	2400	8.18	7.2	4.2	29.4	6800	2000	7.92	7.8	5.2	23.4	4700	2300	7.79	7.6	5.6	24.0	4700	2200	7.83	7.5	5.5	27.8	7000	3400	8.18	7.6	3.1	10.2	5800	3100
11	November	7.98	6.4	3.4	13.6	6800	4000	8.12	7.4	4.0	28.8	4700	1300	8.16	7.4	4.5	30.1	7000	2000	8.20	7.3	4.4	29.8	7000	2100	8.12	7.9	5.0	23.0	4900	2000	8.11	7.7	5.3	23.7	4700	2100	8.08	7.4	5.4	23.8	7000	2600	8.22	8.3	2.9	9.8	4900	2300
12	December	8.11	6.2	3.2	12.8	6100	4000	8.05	8.5	3.5	28.0	4000	1700	8.17	8.2	4.2	29.9	4900	2100	8.14	8.8	3.3	29.6	5400	2000	8.21	8.5	4.8	22.4	4600	1700	8.23	8.1	5.0	33.0	4700	2100	8.16	7.9	5.0	22.7	4900	2400	8.20	8.2	3.0	10.2	4600	2100
	Average	7.83	5.8	3.7	14.8	6242	3358	8.1	7.7	4.2	28.6	6583	2183	8.16	7.4	4.7	29.4	8167	2883	8.14	7.4	4.5	29.3	8117	2742	8.12	7.6	5.4	23.1	6425	2283	8.02	7.2	5.9	27.6	6342	2417	8.08	7.1	6.0	25.3	8142	3150	8.28	7.9	3.0	9.8	6542	4017
	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

Pris
(S.A)

RA
(S.A)

(A.S.O.)

(S.A)