

**WATER QUALITY CHARACTERISTICS OF RIVER NANDAUR U/S SITARGANJ
INDUSTRIAL AREA, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °C	DO mg/L	TDS mg/L
2021							
Jan-21	River Dry						
Feb-21							
Mar-21							
Apr-21							
May-21	7.20	3.30	15	473	22	7.30	310
June-21	7.40	3.20	16	496	24	7.80	272
July-21	7.50	4.0	16	410	27	5.20	285
2020							
Jan-20	7.3	8.0	20	209	10	6.2	146
Feb-20	7.78	9.0	28	310	29	6.6	111
Mar-20	River Dry						
Apr-20	River Dry						
May-20	River Dry						
June-20	River Dry						
July-20	8.5	5.4	32	200	32	3.0	133
Aug-20	7.01	5.0	32	180	33	6.9	114
Sept-20	River Dry						
Oct-20	River Dry						
Nov-20	River Dry						
Dec-20	River Dry						
Average	7.6	6.9	28.0	224.8	26.0	5.7	126.0
Min-Max							
2019							
Jan-19	River Dry						
Feb-19	River Dry						
Mar-19	River Dry						
Apr-19	River Dry						
May-19	River Dry						
June-19	River Dry						
July-19	River Dry						
Aug-19	7.4	12.0	30	260	30	4.0	104
Sept-19	7.3	4.0	40	200	30	5.0	130
Oct-19	7.5	3.8	10	175.38	30	6.2	114
Nov-19	8.2	7.0	20	183	23	6.0	123
Dec-19	7.2	3.8	30	201	12	6.0	135
Average							
Min-Max							
2018							
Jan-18	River Dry						
Feb-18	River Dry						
Mar-18	River Dry						
Apr-18	River Dry						
May-18	River Dry						
Jun-18	River Dry						
Jul-18	7.6	4.2	21	490	28	6.4	308
Aug-18	7.3	2	12	360	28	7.4	238
Sep-18	7.4	3.2	14	320	27	7.2	206
Oct-18	7.2	6	14	360	26	6.8	238
Nov-18	7.6	4	14	340	23	6.8	222
Dec-18	River Dry						
Average	7.42	3.88	15	374	26.4	6.92	242.4

Min-Max	(7.2-7.6)	(2-4.2)	(12-21)	(320-490)	(23-28)	(6.4-7.4)	(206-308)
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**WATER QUALITY CHARACTERISTICS OF RIVER NANDAUR D/S SITARGANJ
INDUSTRIAL AREA, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °C	DO mg/L	TDS mg/L
2021							
Jan-21	8.40	3.70	12	420	15	8.0	288
Feb-21	7.60	3.20	12	436	26	8.1	292
Mar-21	7.50	3.60	14	460	24	7.50	308
Apr-21	7.20	3.70	16	480	23	7.0	298
May-21	7.10	3.80	18	483	22	7.10	300
June-21	7.30	3.40	20	502	23.20	7.50	336
July-21	7.90	6.0	20	320	27	5.0	224
2020							
Jan-20	7.6	10	40	520	10	4.2	238
Feb-20	7.66	8.0	30	440	29	5.2	227
Mar-20	8.9	12	50	360	31	4	219
Apr-20	7.6	10	44			4.7	
May-20	7.9	8.0	48	305	41	5.4	216
June-20	8.2	8.6	48	270	38	2.6	175
July-20	8.4	6.0	45	170	31	2.9	116
Aug-20	7.7	5.6	18	260	33	6.3	168
Sept-20	7.87	2.5	14	200	32	4.8	167
Oct-20	7.5	4.8	16	390	33	5.4	250
Nov-20	7.6	4.6	18	400	19	5.2	308
Dec-20	7.5	4.5	19	430	13	5.0	325
Average	7.9	7.1	32.5	340.5	28.2	4.6	219.0
Min-Max	(7.5-8.9)	(2.5-12)	(14-50)	(170-520)	(10-41)	(2.6-6.3)	(116-325)
2019							
Jan-19	7.7	8	24	510	13	4.8	336
Feb-19	7.5	8	26	496	17	5	238
Mar-19	7.3	6.2	20	553	25	5.6	329
Apr-19	7.5	4.8	22	540	30	5.2	348
May-19	7.3	4.2	28	460	36	5.6	326
June-19	7.6	4	30	550	38	6	151
July-19	7.3	4	30	164	30	5.6	107
Aug-19	7.3	5.0	40.0	240	30	3.6	115
Sep-19	7.7	4.0	20	216	30	4.4	141
Oct-19	7.99	8.0	40	243	30	6.4	158
Nov-19	7.7	15	50	294	23	5.0	197
Dec-19	7.8	12	42	256	12	6.4	188
Average	7.6	6.9	31.0	376.8	26.2	5.3	219.5
Min-Max	(7.3-7.99)	(4-15)	(20-50)	(164-553)	(12-38)	(3.6-6.4)	(107-348)
2018							
Jan-18	7.6	4	24	350	18	8	236
Feb-18	8.1	8	46	390	23	7.6	253
Mar-18	7.7	2	20	360	26	7.2	229
Apr-18	7.38	7	18	270	27	6	166
May-18	7.46	8.2	40	370	30	6.2	236
Jun-18	River Dry						
Jul-18	7.8	8.2	34	550	27	6	336
Aug-18	7.1	6	30	510	27	6.8	336
Sep-18	7.3	8	30	470	27	6.2	316
Oct-18	7.89	10	42	510	26	5.8	332

Nov-18	7.9	10	32	410	23	5.6	266
Dec-18	7.6	8	24	450	17	5.2	302
Average	7.62	7.21	30.90	421.81	24.6	6.41	273.45
Min-Max	(7.1-7.9)	(2-10)	(18-46)	(270-550)	(17-30)	(5.2-8)	(166-336)