

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

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhas/cm	Temp °C	DO mg/L	TDS mg/L
2022							
Jan	7.3	3.2	10	310	10	6.5	210
Feb	7.40	3.0	9.2	350	21	6.8	234.5
Mar	7.30	3.1	14	290	25	6.2	206
2021							
Jan	River Dry						
Feb							
Mar							
Apr							
May	7.20	3.30	15	473	22	7.30	310
June	7.40	3.20	16	496	24	7.80	272
July	7.50	4.0	16	410	27	5.20	285
Aug	7.60	4.40	13	403	32	5.8	270
Sep	7.8	4.6	14.4	416		5.9	278
Oct	7.5	4.50	15	410		5.10	276
Nov	7.3	4.1	16	415		5.3	278.05
Dec	7.20	3.8	12.70	422	27	6.2	282.7
2020							
Jan	7.3	8.0	20	209	10	6.2	146
Feb	7.78	9.0	28	310	29	6.6	111
Mar	River Dry						
Apr	River Dry						
May	River Dry						
June	River Dry						
July	8.5	5.4	32	200	32	3.0	133
Aug	7.01	5.0	32	180	33	6.9	114
Sep	River Dry						
Oct	River Dry						
Nov	River Dry						
Dec	River Dry						
Average	7.6	6.9	28.0	224.8	26.0	5.7	126.0
Min-Max							
2019							
Jan	River Dry						
Feb	River Dry						
Mar	River Dry						
Apr	River Dry						
May	River Dry						
June	River Dry						
July	River Dry						
Aug	7.4	12.0	30	260	30	4.0	104
Sep	7.3	4.0	40	200	30	5.0	130
Oct	7.5	3.8	10	175.38	30	6.2	114
Nov	8.2	7.0	20	183	23	6.0	123
Dec	7.2	3.8	30	201	12	6.0	135
Average							
Min-Max							
2018							

Jan	River Dry						
Feb	River Dry						
Mar	River Dry						
Apr	River Dry						
May	River Dry						
June	River Dry						
July	7.6	4.2	21	490	28	6.4	308
Aug	7.3	2	12	360	28	7.4	238
Sep	7.4	3.2	14	320	27	7.2	206
Oct	7.2	6	14	360	26	6.8	238
Nov	7.6	4	14	340	23	6.8	222
Dec	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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2022							
Jan	7.4	3.5	14	350	10	6.1	232
Feb	7.20	3.4	14	387	21	6.3	260
Mar	7.50	3.5	14	410	25	6.0	282
2021							
Jan	8.40	3.70	12	420	15	8.0	288
Feb	7.60	3.20	12	436	26	8.1	292
Mar	7.50	3.60	14	460	24	7.50	308
Apr	7.20	3.70	16	480	23	7.0	298
May	7.10	3.80	18	483	22	7.10	300
June	7.30	3.40	20	502	23.20	7.50	336
July	7.90	6.0	20	320	27	5.0	224
Aug	7.60	5.10	23.42	302	27	5.60	202
Sep	7.7	5	20	306		5.8	205
Oct	7.8	6.0	21	360		5.0	245
Nov	7.6	5.7	22	377		5.1	252.59
Dec	7.40	4	20	360	27.6	5.8	241.2
2020							
Jan	7.6	10	40	520	10	4.2	238
Feb	7.66	8.0	30	440	29	5.2	227
Mar	8.9	12	50	360	31	4	219
Apr	7.6	10	44			4.7	
May	7.9	8.0	48	305	41	5.4	216
June	8.2	8.6	48	270	38	2.6	175
July	8.4	6.0	45	170	31	2.9	116
Aug	7.7	5.6	18	260	33	6.3	168
Sep	7.87	2.5	14	200	32	4.8	167
Oct	7.5	4.8	16	390	33	5.4	250
Nov	7.6	4.6	18	400	19	5.2	308
Dec	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	7.7	8	24	510	13	4.8	336
Feb	7.5	8	26	496	17	5	238
Mar	7.3	6.2	20	553	25	5.6	329
Apr	7.5	4.8	22	540	30	5.2	348
May	7.3	4.2	28	460	36	5.6	326
June	7.6	4	30	550	38	6	151
July	7.3	4	30	164	30	5.6	107
Aug	7.3	5.0	40.0	240	30	3.6	115
Sep	7.7	4.0	20	216	30	4.4	141
Oct	7.99	8.0	40	243	30	6.4	158
Nov	7.7	15	50	294	23	5.0	197
Dec	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	7.6	4	24	350	18	8	236

Feb	8.1	8	46	390	23	7.6	253
Mar	7.7	2	20	360	26	7.2	229
Apr	7.38	7	18	270	27	6	166
May	7.46	8.2	40	370	30	6.2	236
June	River Dry						
July	7.8	8.2	34	550	27	6	336
Aug	7.1	6	30	510	27	6.8	336
Sep	7.3	8	30	470	27	6.2	316
Oct	7.89	10	42	510	26	5.8	332
Nov	7.9	10	32	410	23	5.6	266
Dec	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)