

**WATER QUALITY CHARACTERISTICS OF RIVER PILAKHAR AFTER BILASPUR,  
UDHAMSINGH NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity µmhos/cm	Temp °C	DO mg/L	TDS mg/L
<b>2023</b>							
Jan	7.60	10.2	64.0	690	12	3.2	535
Feb	7.40	12.0	96.0	820	18	2.6	545
Mar	7.30	10.0	88.0	918	23	2.9	595
Apr	7.40	10.0	92.0	855	22	2.4	574
May	7.50	8.0	84.0	765	31	2.8	518
June	7.80	7.0	72.0	836	31	3.3	542
July	7.50	4.6	40.0	456	28	5.4	296
Aug	7.60	3.0	20.0	370	29	6.0	183
Sept	7.30	2.8	20.0	263	28	6.2	162
Oct	7.40	2.6	20.0	221	24	6.1	145
Nov	7.20	2.4	16.0	262	24	6.4	168
<b>2022</b>							
Jan	7.4	9.2	28	390	8	4.5	269
Feb	7.40	10	30	400	21	6	268
Mar	7.30	9.4	32	440	23	4.9	299
Apr	7.50	8.6	30	420	28	6.5	290
May	7.40	4.0	24	470	28	6.7	316
June	7.0	10	40	600	30	4.5	402
July	7.20	9.6	36	560	28	4.8	375
Aug	7.30	11	44	512	27	4.6	340
Sept	7.60	12	47.6	363	27	3.0	239
Oct	7.60	11	40	442	25	2.8	292
Nov	7.70	8.0	36	559	18	2.8	371
Dec	7.30	9.0	44.0	739	15	2.9	491
<b>2021</b>							
Jan	8.20	3.80	24	770	13	6.0	503
Feb	7.50	5.10	16	750	21	7.80	503
Mar	7.60	5.20	20	800	22	7.50	536
Apr	7.50	5.80	19	813	22	7.10	516
May	7.20	5.30	17	783	21	7.30	502
June	7.50	5.20	20	860	24	7.80	558
July	7.7	12.0	40	430	28	3.90	289
Aug	7.50	9.30	26	421	31	4.10	282
Sep	7.4	9.6	28	426		3.8	285
Oct	7.6	13.50	41	430	31	4.0	293
Nov	7.4	14.5	33	450		4.3	301.5
Dec	7.30	12	30	448	27	4.8	300
<b>2020</b>							
Jan	7.5	6.0	60	420	10	7.2	226
Feb	7.4	8.0	70	430	30	6.6	293
Mar	7.6	7	36	320	31	5.6	265
Apr	7.4	4	24			6.2	
May	Sample not collected due to COVID-19						
June	Sample not collected due to COVID-19						
July	8.20	5.1	16	320	33	6.5	208
Aug	8.10	5.0	16	325	32	5.9	228
Sep	7.90	9.2	40	580	31	4.4	387
Oct	7.2	8.6	42	340	19	4.2	228

<b>Nov</b>	7.1	8.6	42	351	9	4.0	240
<b>Average</b>	<b>7.6</b>	<b>6.8</b>	<b>38.4</b>	<b>385.8</b>	<b>24.4</b>	<b>5.6</b>	<b>259.4</b>
<b>Min-Max</b>	<b>(7.1 -8.2)</b>	<b>(4-9.2-70)</b>	<b>(16-70)</b>	<b>(320-580)</b>	<b>(9-33)</b>	<b>(4-7.2)</b>	<b>(208-387)</b>
<b>2019</b>							
<b>Jan</b>	7	8	28	400	14	6.80	254
<b>Feb</b>	7.3	8	26	210	15	6.6	285
<b>Mar</b>	7.7	10	30	440	19	6	178
<b>Apr</b>	7.5	7.2	32	420	32	5.6	319
<b>May</b>	7.3	7.4	36	480	38	5.8	342
<b>June</b>	7.5	6	30	590	37	4.8	265
<b>July</b>	7.3	8	20	462	30	5.6	309
<b>Aug</b>	7.6	6.0	20	320	30	4.4	219
<b>Sep</b>	7.5	4.0	30	473	29	4.2	308
<b>Oct</b>	7.9	3.6	40	207	30	4.8	135
<b>Nov</b>	7.4	6.0	60	268	21	4.6	145
<b>Dec</b>	7.6	8.0	28	491	12	5.4	329
<b>Average</b>	<b>7.5</b>	<b>6.7</b>	<b>32.0</b>	<b>388.2</b>	<b>26.8</b>	<b>5.4</b>	<b>250.8</b>
<b>Min-Max</b>	<b>(7-7.9)</b>	<b>(3.6-10)</b>	<b>(20-60)</b>	<b>(207-590)</b>	<b>(14-38)</b>	<b>(4.2-6.8)</b>	<b>(135-342)</b>
<b>2018</b>							
<b>Jan</b>	7.6	3.2	30	520	18.6	6.8	344
<b>Feb</b>	7.7	4.8	42	590	22.6	5.8	386
<b>Mar</b>	7.35	14	80	610	27	3.6	317
<b>Apr</b>	7.54	16	40	420	28	3	178
<b>May</b>	7.4	10	38	320	29	4.2	202
<b>June</b>	7.2	8	30	310	30	4.8	192
<b>July</b>	7.3	10	38	220	29	5.2	188
<b>Aug</b>	7.5	3.2	18	280	27	7.2	180
<b>Sep</b>	7.4	6.2	20	310	27	6.8	198
<b>Oct</b>	7.5	8	30	470	26	5.2	306
<b>Nov</b>	7.8	8	30	430	22	6.8	284
<b>Dec</b>	7.4	10	32	420	17	6.2	277
<b>Average</b>	<b>7.47</b>	<b>8.45</b>	<b>35.66</b>	<b>408.33</b>	<b>25.26</b>	<b>5.46</b>	<b>254.33</b>
<b>Min-Max</b>	<b>(7.2-7.8)</b>	<b>(3.2-16)</b>	<b>(18-80)</b>	<b>(220-610)</b>	<b>(17-30)</b>	<b>(3-7.2)</b>	<b>(178-386)</b>