

**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
2021							
Jan-21	8.20	3.80	24	770	13	6.0	503
Feb-21	7.50	5.10	16	750	21	7.80	503
Mar-21	7.60	5.20	20	800	22	7.50	536
Apr-21	7.50	5.80	19	813	22	7.10	516
May-21	7.20	5.30	17	783	21	7.30	502
June-21	7.50	5.20	20	860	24	7.80	558
July-21	7.7	12.0	40	430	28	3.90	289
2020							
Jan-20	7.5	6.0	60	420	10	7.2	226
Feb-20	7.4	8.0	70	430	30	6.6	293
Mar-20	7.6	7	36	320	31	5.6	265
Apr-20	7.4	4	24			6.2	
June-20	Sample not collected due to COVID-19						
July-20							
Aug-20	8.20	5.1	16	320	33	6.5	208
Sep-20	8.10	5.0	16	325	32	5.9	228
Oct-20	7.90	9.2	40	580	31	4.4	387
Nov-20	7.2	8.6	42	340	19	4.2	228
Dec-20	7.1	8.6	42	351	9	4.0	240
Average	7.6	6.8	38.4	385.8	24.4	5.6	259.4
Min-Max	(7.1 -8.2)	(4-9.2-70)	(16-70)	(320-580)	(9-33)	(4-7.2)	(208-387)
2019							
Jan-19	7	8	28	400	14	6.80	254
Feb-19	7.3	8	26	210	15	6.6	285
Mar-19	7.7	10	30	440	19	6	178
Apr-19	7.5	7.2	32	420	32	5.6	319
May-19	7.3	7.4	36	480	38	5.8	342
June-19	7.5	6	30	590	37	4.8	265
July-19	7.3	8	20	462	30	5.6	309
Aug-19	7.6	6.0	20	320	30	4.4	219
Sep-19	7.5	4.0	30	473	29	4.2	308
Oct-19	7.9	3.6	40	207	30	4.8	135
Nov-19	7.4	6.0	60	268	21	4.6	145
Dec-19	7.6	8.0	28	491	12	5.4	329
Average	7.5	6.7	32.0	388.2	26.8	5.4	250.8
Min-Max	(7-7.9)	(3.6-10)	(20-60)	(207-590)	(14-38)	(4.2-6.8)	(135-342)
2018							
Jan-18	7.6	3.2	30	520	18.6	6.8	344
Feb-18	7.7	4.8	42	590	22.6	5.8	386
Mar-18	7.35	14	80	610	27	3.6	317
Apr-18	7.54	16	40	420	28	3	178
May-18	7.4	10	38	320	29	4.2	202
Jun-18	7.2	8	30	310	30	4.8	192
Jul-18	7.3	10	38	220	29	5.2	188
Aug-18	7.5	3.2	18	280	27	7.2	180
Sep-18	7.4	6.2	20	310	27	6.8	198
Oct-18	7.5	8	30	470	26	5.2	306
Nov-18	7.8	8	30	430	22	6.8	284

Dec-18	7.4	10	32	420	17	6.2	277
Average	7.47	8.45	35.66	408.33	25.26	5.46	254.33
Min-Max	(7.2-7.8)	(3.2-16)	(18-80)	(220-610)	(17-30)	(3-7.2)	(178-386)