

**WATER QUALITY CHARACTERISTICS OF RIVER KICHHA (U/S
NAGARBLLA), KASHIPUR, US NAGAR**

| Month | pH | BOD mg/L | COD mg/L | Conductivity µmhos/cm | Temp °C | DO mg/L | TDS mg/L |
|-------------|------|-------------|-------------|--------------------------|---------|------------|-------------|
| 2021 | | | | | | | |
| Jan-21 | 8.10 | 6.90 | 36 | 920 | 15 | 2.80 | 750 |
| Feb-21 | 8.0 | 3.60 | 20 | 980 | 26 | 8.80 | 723 |
| Mar-21 | 8.10 | 3.40 | 18 | 925 | 23 | 9.0 | 620 |
| Apr-21 | 8.0 | 3.10 | 20 | 916 | 24 | 8.80 | 612 |
| May-21 | 7.90 | 3.30 | 21 | 867 | 22 | 8.70 | 592 |
| June-21 | 8.0 | 3.20 | 18 | 840 | 23.50 | 9.0 | 560 |
| July-21 | 7.50 | 4.50 | 28 | 1210 | 28 | 4.20 | 920 |
| 2020 | | | | | | | |
| Jan-20 | 7.2 | 6.6 | 80 | 565 | 10 | 3.4 | 328 |
| Feb-20 | 7.44 | 7.0 | 50 | 530 | 30 | 2.4 | 321 |
| Mar-20 | 8.8 | 8 | 40 | 820 | 32 | 2.6 | 482 |
| Apr-20 | 7.4 | 6.0 | 28 | 550 | 35 | 4 | 341 |
| May-20 | 7.6 | 10 | 60 | 758 | 39 | 3.8 | 490 |
| June-20 | 8.0 | 12 | 80 | 440 | 37 | 3.0 | 282 |
| July-20 | 8.1 | 8.2 | 68.6 | 410 | 32 | 3.0 | 276 |
| Aug-20 | 7.97 | 4.8 | 16 | 334 | 33 | 6.9 | 168 |
| Sept-20 | 8.30 | 3.0 | 13 | 310 | 32 | 4.10 | 165 |
| Oct-20 | 7.67 | 4.70 | 22 | 470 | 19 | 6.10 | 398 |
| Nov-20 | 7.57 | 4.7 | 22 | 470 | 19 | 6.10 | 398 |
| Dec-20 | 7.4 | 4.8 | 22 | 450 | 12 | 6.0 | 410 |
| 2019 | | | | | | | |
| Jan-19 | 7.3 | 10 | 28 | 560 | 13 | 6.4 | 358 |
| Feb-19 | 7.6 | 12 | 26 | 580 | 17 | 6.4 | 329 |
| Mar-19 | 7.7 | 6.8 | 22 | 620 | 23 | 4.4 | 432 |
| Apr-19 | 7.4 | 8.0 | 40 | 480 | 32 | 4.2 | 266 |
| May-19 | 7.2 | 7.2 | 36 | 460 | 36 | 4.8 | 428 |
| June-19 | 7.4 | 5 | 20 | 510 | 38 | 4.2 | 488 |
| July-19 | 6.9 | 6 | 20 | 247 | 30 | 4.8 | 161 |
| Aug-19 | 7.2 | 5.0 | 20.0 | 340 | 30 | 4.2 | 178 |
| Sep-19 | 7.3 | 2.0 | 20 | 286 | 30 | 4.0 | 186 |
| Oct-19 | 7.4 | 2.6 | 40 | 570 | 30 | 4.8 | 371 |
| Nov-19 | 7.3 | 5.0 | 80 | 816 | 24 | 3.8 | 547 |
| Dec-19 | 7.4 | 4.0 | 40 | 570 | 12 | 2.8 | 371 |
| 2018 | | | | | | | |
| Jan-18 | 8.10 | 8 | 46 | 580 | 17 | 4.80 | 386 |
| Feb-18 | 8 | 18 | 66 | 560 | 20 | 4.40 | 366 |
| Mar-18 | 7.42 | 6 | 58 | 690 | 26 | 6.60 | 448 |
| Apr-18 | 7.54 | 38 | 140 | 720 | 21 | 0.40 | 469 |
| May-18 | 7.6 | 28 | 88 | 570 | 28 | 2 | 378 |
| Jun-18 | 7.4 | 22 | 80 | 550 | 30 | 2.6 | 348 |
| Jul-18 | 7.5 | 18 | 70 | 490 | 29 | 3.2 | 316 |
| Aug-18 | 7.7 | 12 | 44 | 430 | 27 | 4.6 | 276 |
| Sep-18 | 7.6 | 10.2 | 38 | 410 | 28 | 4.4 | 260 |

| | | | | | | | |
|----------------|-------------|--------------|--------------|---------------|--------------|-------------|---------------|
| Oct-18 | 7.7 | 12 | 46 | 530 | 25 | 4 | 346 |
| Nov-18 | 7.4 | 14.2 | 46 | 460 | 23 | 4.2 | 308 |
| Dec-18 | 7.8 | 12 | 30 | 530 | 18 | 6.2 | 346 |
| Average | 7.65 | 16.53 | 62.67 | 543.33 | 24.33 | 3.95 | 354.64 |
| Min-Max | (7.4-8.10) | (6-38) | (30-140) | (410-720) | (17-30) | (0.40-6.60) | (260-469) |