

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

| Month       | pH          | BOD<br>mg/L | COD<br>mg/L | Conductivity<br>µmhos/cm | Temp<br>°C  | DO<br>mg/L  | TDS<br>mg/L  |
|-------------|-------------|-------------|-------------|--------------------------|-------------|-------------|--------------|
| <b>2018</b> |             |             |             |                          |             |             |              |
| 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     | <b>7.42</b> | <b>3.88</b> | <b>15</b>   | <b>374</b>               | <b>26.4</b> | <b>6.92</b> | <b>242.4</b> |
| Min-Max     | (7.2-7.6)   | (2-4.2)     | (12-21)     | (320-490)                | (23-28)     | (6.4-7.4)   | (206-308)    |
| <b>2019</b> |             |             |             |                          |             |             |              |
| Jan-19      | River Dry   |             |             |                          |             |             |              |
| Feb-19      | River Dry   |             |             |                          |             |             |              |
| Mar-19      | River Dry   |             |             |                          |             |             |              |

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|-------------|-------------|-------------|--------------|--------------------------|-------------|-------------|---------------|
| <b>2018</b> |             |             |              |                          |             |             |               |
| 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     | <b>7.62</b> | <b>7.21</b> | <b>30.90</b> | <b>421.81</b>            | <b>24.6</b> | <b>6.41</b> | <b>273.45</b> |
| Min-Max     | (7.1-7.9)   | (2-10)      | (18-46)      | (270-550)                | (17-30)     | (5.2-8)     | (166-336)     |
| <b>2019</b> |             |             |              |                          |             |             |               |
| 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           |