

## WATER QUALITY DATA 2013 | CPCB ENVIS

## WATER QUALITY OF RIVER BRAHMANI AND ITS TRIBUTARY STREAMS KOEL, KHARASROTA, AUL, SANKH &amp; KARO

| STATION CODE  | LOCATIONS  | STATE     | TEMPERATURE °C |     |      | D.O. (mg/l) |      |      | pH      |     |      | CONDUCTIVITY (µmhos/cm) |     |      | B.O.D. (mg/l) |     |      | NITRATE-N<br>NITRITE-N |      |    |
|---|--|-----------|----------------|-----|------|-------------|------|------|---------|-----|------|-------------------------|-----|------|---------------|-----|------|------------------------|------|----|
|   |  |           | Min            | Max | Mean | Min         | Max  | Mean | Min     | Max | Mean | Min                     | Max | Mean | Min           | Max | Mean | Min                    | Max  |    |
| WATER QUALITY CRITERIA  |  |           |                |     |      | > 4 mg/l    |      |      | 6.5-8.5 |     |      |                         |     |      | < 3 mg/l      |     |      |                        |      |    |
| 1037  | BRAHMANI AT U/S PANPOSH, ORISSA  | ORISSA    | 19             | 28  | 26   | 6.3         | 9.8  | 7.3  | 7       | 8.4 | 7.7  | 112                     | 219 | 170  | 0.4           | 2.5 | 1.3  | 0.194                  | 3.02 |    |
| 1038  | BRAHMANI AT D/S PANPOSH, ORISSA  | ORISSA    | 20             | 30  | 25.5 | 5.1         | 8.8  | 6.5  | 6.8     | 8   | 7.5  | 170                     | 429 | 302  | 2.1           | 5.6 | 4.1  | 4.264                  | 11.5 |    |
| 1302  | BRAHMANI AT ROURKELA D/S, ORISSA   | ORISSA    | 20             | 32  | 26.9 | 5.6         | 10   | 6.9  | 6.4     | 8.3 | 7.3  | 187                     | 368 | 275  | 0.9           | 4.7 | 3.2  | 3.657                  | 9.87 |    |
| 2414  | ROURKELA FDS AT BIRITOLA   | ORISSA    | 22             | 39  | 29.8 | 5.9         | 11.7 | 8    | 7       | 8.5 | 7.8  | 109                     | 288 | 191  | 1.1           | 3.9 | 2.5  | 0.216                  | 5.03 |    |
| 1039  | BRAHMANI AT BONAIGARH, ORISSA  | ORISSA    | 21             | 37  | 29   | 0.8         | 8.9  | 7.1  | 7.1     | 8.4 | 7.9  | 107                     | 263 | 190  | 0.4           | 2.3 | 1.4  | 2.189                  | 3    |    |
| 1040  | BRAHMANI AT RENGALI, ORISSA  | ORISSA    | 24             | 39  | 30.1 | 6.6         | 8.9  | 8    | 7.4     | 8.3 | 8    | 107                     | 187 | 148  | 0.4           | 2.6 | 1    | 1.419                  | 2.03 |    |
| 1041  | BRAHMANI AT SAMAL, ORISSA  | ORISSA    | 24             | 38  | 30   | 5.9         | 9.9  | 7.8  | 7.6     | 8.4 | 7.9  | 106                     | 292 | 147  | 0.5           | 2   | 1.3  | 0.868                  | 1.06 |    |
| 1303  | BRAHMANI AT TALCHER U/S, ORISSA  | ORISSA    | 22             | 36  | 29.5 | 6.4         | 8.7  | 7.3  | 7.4     | 8.2 | 7.8  | 116                     | 222 | 150  | 0.7           | 2.6 | 1.4  | 0.315                  | 3.77 |    |
| 2415  | TALCHER FU/S (INTAKE WELL OF MCL, TALCHER)                               | ORISSA    | 22             | 35  | 28.7 | 6.5         | 8.6  | 7.5  | 7       | 8.5 | 7.9  | 121                     | 235 | 155  | 0.4           | 2.5 | 1.2  | 0.334                  | 3    |    |
| 2416  | TALCHER FD/S   | ORISSA    | 23             | 36  | 29.5 | 6.3         | 8.9  | 7.2  | 7.3     | 8.3 | 7.9  | 17                      | 267 | 157  | 0.8           | 2.8 | 1.6  | 0.469                  | 2.96 |    |
| 1042  | BRAHMANI AT KAMALANGA, ORISSA  | ORISSA    | 22             | 36  | 29.9 | 6.7         | 8.6  | 7.6  | 6.9     | 8.6 | 8    | 104                     | 233 | 161  | 1.4           | 3   | 2.3  | 0.326                  | 3.23 |    |
| 2417  | DHENKANAL D/S, DHENKANAL TOWN  | ORISSA    | 22             | 34  | 27.6 | 5.7         | 9.1  | 7.5  | 7.3     | 8.4 | 7.8  | 127                     | 247 | 166  | 0.9           | 2.4 | 1.9  | 0.761                  | 2.36 |    |
| 1043  | BRAHMANI AT BHUBAN, ORISSA   | ORISSA    | 20             | 34  | 28.5 | 6.3         | 9.3  | 7.7  | 7.4     | 8.3 | 7.8  | 119                     | 201 | 148  | 0.6           | 2.2 | 1.4  | 0.463                  | 3.44 |    |
| 2418  | KABATABANDHA (BEFORE IMPACT OF INDUSTRIAL ACTIVITY IN KALINGANAGAR AREA) | ORISSA    | 20             | 33  | 29.2 | 6.4         | 8.8  | 7.5  | 7.6     | 8.1 | 7.9  | 114                     | 169 | 144  | 0.7           | 1.6 | 1.1  | 0.826                  | 1.46 |    |
| 1044  | BRAHMANI AT DHARMASHALA, ORISSA  | ORISSA    | 25             | 33  | 28.5 | 6.4         | 9.5  | 7.9  | 7.7     | 8.5 | 8    | 130                     | 227 | 171  | 0.8           | 2.2 | 1.5  | 0.176                  | 2.87 |    |
| 1045  | BRAHMANI AT PATTAMUNDAI, ORISSA  | ORISSA    | 20             | 33  | 27.3 | 5.2         | 9.3  | 7.5  | 7.4     | 8.4 | 8    | 147                     | 249 | 200  | 0.8           | 1.8 | 1.3  | 0.488                  | 5.5  |    |
| WATER QUALITY OF TRIBUTARY STREAMS KOEL, KHARASROTA, AUL - 2013 |  |           |                |     |      |             |      |      |         |     |      |                         |     |      |               |     |      |                        |      |    |
| 1036  | KOEL AT MANOHARPUR AFTER MEETING KOINA RIVER D/S, JHARKAND               | JHARKHAND |                |     |      |             |      |      |         | 7.4 | 7.7  | 7.6                     | 236 | 390  | 355           | 0.4 | 1    | 0.7                    | 0    | 10 |
| 2413  | KOEL U/S (AFTER CONFLUENCE OF RIVER KARO)                                | ORISSA    | 21             | 30  | 26.5 | 5.9         | 13.5 | 7.6  | 7.5     | 8.4 | 8    | 112                     | 256 | 187  | 0.4           | 3   | 1.4  | 0.434                  | 2.32 |    |
| 2419  | KHANDITARA (D/S OF INDUSTRIAL ACTIVITIES AT KALINGA NAGAR)               | ORISSA    | 24             | 33  | 28   | 6           | 10.3 | 7.4  | 7.6     | 8.3 | 8    | 114                     | 169 | 145  | 0.4           | 2   | 1.2  | 1.25                   | 3.22 |    |
| 2420  | AUL  | ORISSA    | 22             | 31  | 27.5 | 6           | 7.8  | 7    | 7.2     | 8.3 | 7.9  | 129                     | 228 | 157  | 0.5           | 2.8 | 1.4  | 0.175                  | 2.1  |    |