

**Govt. of Bihar**  
**Flood Management Improvement Support Centre**  
**Jal Sansadhan Bhawan, Anishabad, Patna**

Date:- 16-07-2022  
Time:- 3:00 PM

DAILY WATER LEVEL AND FLOOD FORECAST DATA

Levels in meter

| Sl No. | Name of River           | Site/Station             | District     | Danger Level (DL) | H.F.L (m)/ Year | Todays Observed WL at 6.00 AM | Forecast   |            |            | Remarks | Compared to DL |
|--------|-------------------------|--------------------------|--------------|-------------------|-----------------|-------------------------------|------------|------------|------------|---------|----------------|
|        |                         |                          |              |                   |                 |                               | 16-07-2022 | 17-07-2022 | 18-07-2022 |         |                |
| 1      | Bagmati & Adhwara group | Dheng bridge             | Sitamarhi    | 71.00             | 73.00/17        | 69.40                         | 69.41      | 69.41      | 69.82      | I       | Below DL       |
| 2      |                         | Sonakhan                 | Sitamarhi    | 68.80             | 72.05/19        | 67.62                         | 67.61      | 67.60      | 68.04      | D       | Below DL       |
| 3      |                         | Dubbadhar                | Sheohar      | 61.28             | 63.75           | 60.02                         | 60.09      | 60.08      | 60.22      | I       | Below DL       |
| 4      |                         | Kansar                   | Sitamarhi    | 59.06             | 60.86           | 56.40                         | 56.40      | 56.35      | 56.34      | D       | Below DL       |
| 5      |                         | Runisaidpur              | Sitamarhi    | 55.00             | 58.15/17        | 53.09                         | 53.07      | 53.05      | 53.02      | D       | Below DL       |
| 6      |                         | Saulighat                | Madhubani    | 52.37             | 55.10           | 46.46                         | 46.38      | 46.34      | 46.33      | D       | Below DL       |
| 7      |                         | Kamtaul                  | Darbhanga    | 50.00             | 53.01/2004      | 46.29                         | 46.29      | 46.27      | 46.26      | D       | Below DL       |
| 8      |                         | Benibad                  | Muzaffarpur  | 48.68             | 50.01/2004      | 47.37                         | 47.28      | 47.06      | 46.88      | D       | Below DL       |
| 9      |                         | Ekmighat                 | Darbhanga    | 46.94             | 49.52/2004      | 41.78                         | 41.69      | 41.43      | 41.23      | D       | Below DL       |
| 10     |                         | Hayaghat                 | Samastipur   | 45.72             | 48.96/87        | 40.42                         | 40.43      | 40.24      | 39.99      | D       | Below DL       |
| 11     | Kosi                    | Barakhshetra             | Nepal        | 120.30            | 132.18          | NA                            | 112.32     | 112.30     | 112.36     |         | Below DL       |
| 12     |                         | Chatra Bazar (47 km u/s) | Nepal        | 113.45            | 117.00          | NA                            | 106.79     | 106.77     | 106.82     |         | Below DL       |
| 13     |                         | Rajabas (27 km u/s)      | Nepal        | 94.70             | 95.70           | NA                            | 92.50      | 92.48      | 92.51      |         | Below DL       |
| 14     |                         | Birpur (D/S)             | Nepal        | 74.70             | 76.01           | 74.74                         | 74.09      | 74.06      | 74.09      | D       | Below DL       |
| 15     |                         | Kosi Mahasetu            | Supaul       | 58.00             | 61.10           | 56.16                         | 56.43      | 56.34      | 56.34      |         | Below DL       |
| 16     |                         | Basua (64.25 km d/s)     | Supaul       | 47.75             | 49.24/17        | 48.30                         | 48.27      | 48.24      | 48.19      | D       | Above DL       |
| 17     |                         | Baluwaha Bridge          | Sahasara     | 42.00             | 43.10           | 41.75                         | 42.32      | 42.26      | 42.21      |         | Above DL       |
| 18     |                         | Dumri                    | Khagaria     | 33.85             | 35.75/17        | 32.90                         | 34.41      | 34.35      | 34.34      | I       | Above DL       |
| 19     |                         | Baltara                  | Khagaria     | 33.85             | 36.40/87        | 33.23                         | 33.35      | 33.34      | 33.37      | I       | Below DL       |
| 20     |                         | Vijay Ghat Bridge        | Bhagalpur    | 31.00             | 33.50           | NA                            | 29.80      | 29.82      | 29.84      |         | Below DL       |
| 21     |                         | Kursela                  | Katihar      | 30.00             | 32.10/82        | 26.35                         | 26.44      | 26.59      | 26.83      | I       | Below DL       |
| 22     | Khando                  | Dagmara                  | Supaul       | 61.50             | 62.50           | NA                            | 56.71      | 56.71      | 56.71      |         | Below DL       |
| 23     | Bhutahi Balan           | Laukaha                  | Madhubani    | 79.80             | 80.80           | NA                            | 76.95      | 76.95      | 76.95      |         | Below DL       |
| 24     |                         | Phulparas                | Madhubani    | 60.80             | 61.80           | 57.44                         | 57.37      | 57.37      | 57.37      | D       | Below DL       |
| 25     | Kamla                   | Jainagar                 | Madhubani    | 67.75             | 71.35/19        | 67.11                         | 66.63      | 66.63      | 66.63      | D       | Below DL       |
| 26     |                         | Jhanjharpur              | Madhubani    | 50.00             | 53.11/19        | 48.87                         | 48.78      | 48.72      | 48.66      | D       | Below DL       |
| 27     |                         | Kothram                  | Darbhanga    | 44.00             | 46.58/19        | 39.94                         | 40.44      | 40.37      | 40.27      | I       | Below DL       |
| 28     | Mahananda               | Dhengraghat              | Purnia       | 35.65             | 38.16/17        | 33.99                         | 33.82      | 33.75      | 33.71      | D       | Below DL       |
| 29     |                         | Jhawa                    | Katihar      | 31.40             | 34.07/17        | 29.05                         | 28.83      | 28.74      | 28.67      | D       | Below DL       |
| 30     | Ganga                   | Buxar                    | Buxar        | 60.32             | 62.09/48        | 49.50                         | 49.60      | 49.64      | 49.80      | I       | Below DL       |
| 31     |                         | Dighaghat                | Patna        | 50.45             | 52.52/75        | 45.50                         | 45.50      | 45.41      | 45.31      | D       | Below DL       |
| 32     |                         | Gandhighat               | Patna        | 48.60             | 50.52/16        | 45.09                         | 45.14      | 45.08      | 45.00      | D       | Below DL       |
| 33     |                         | Hathidah                 | Patna        | 41.76             | 43.52/2021      | 36.86                         | 37.28      | 37.46      | 37.57      | I       | Below DL       |
| 34     |                         | Munger                   | Munger       | 39.33             | 40.99/76        | 32.78                         | 33.11      | 33.34      | 33.52      | I       | Below DL       |
| 35     |                         | Bhagalpur                | Bhagalpur    | 33.68             | 34.86/2021      | 27.82                         | 27.91      | 28.16      | 28.47      | I       | Below DL       |
| 36     |                         | Kahalgaoon               | Bhagalpur    | 31.09             | 32.87/03        | 27.09                         | 27.10      | 27.29      | 27.61      | I       | Below DL       |
| 37     | Gandak                  | Chatia                   | W. Champaran | 69.15             | 70.04/02        | 65.87                         | 65.73      | 65.74      | 65.69      | D       | Below DL       |
| 38     |                         | Dumariaghat              | Gopalganj    | 62.22             | 64.36/20        | 61.68                         | 61.61      | 61.67      | 61.67      | D       | Below DL       |
| 39     |                         | Rewaghat                 | Muzaffarpur  | 54.41             | 55.46/20        | 52.37                         | 52.38      | 52.37      | 52.43      | I       | Below DL       |

I= Increasing Trend for 1st 24 hours  
D= Decreasing Trend for 1st 24 hours  
S= Static Trend for 1st 24 hours



as compared to today's observed data & next day forecast data

Input Data= IMD 72 hours rainfall forecast & CWC Gauge.

Disclaimer (i) Forecast is subject to uncertainty due to rainfall forecasts, model parameters, errors in measurement and other unknown factors

- (ii). Cross-sections used in River Ganga and Mahananda is from JAXA-satellite whereas actual cross section for River Kosi & Bagmati
- (iii). MIKE-11 Data Assimilation has been used which has considerable impact on discharge and thus on Water level Prediction. (For Rivers other than Kosi, Khando, Kamla and Bhutahi)
- (iv). Water level status with respect to the Danger Level has been calculated based on the forecasted data for all the three days
- (v). Kosi basin part in regional network model is still under improvement.