

GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

(Experimental Gauge forecast for 5 days based on 5 days rainfall forecast from IMD)

Date of Forecast : 24.08.2022
Time of Model Run : 12:30 PM



A FMISC, Bihar product
based on Mike 11 Model

| Station / River | District | WL (m) | DL (m) | HFL (m) /Year | Observed WL (m) at (06:00 AM) | Forecast Gauge (m) | | | | | | | | | | | | |
|------------------------------|-------------|--------|--------|---------------|-------------------------------|--------------------|-------|-------|------------|-------|-------|------------|-------|------------|-------|------------|-------|-------|
| | | | | | | 24-08-2022 | | | 25-08-2022 | | | 26-08-2022 | | 27-08-2022 | | 28-08-2022 | | |
| | | | | | | 15:00 | 18:00 | 24.00 | 6.00 | 12.00 | 18.00 | 24.00 | 12.00 | 24.00 | 12.00 | 24.00 | 12.00 | 24.00 |
| Dheng Bridge/ BAGMATI | Sitamarhi | 70.00 | 71.00 | 73.00/2019 | 69.51 | 69.70 | 69.69 | 69.68 | 69.68 | 69.68 | 69.71 | 69.73 | 69.73 | 69.73 | 69.77 | 69.86 | 70.10 | 70.74 |
| Sonakhan/ BAGMATI ** | Sitamarhi | 67.80 | 68.80 | 72.05/2019 | 67.70 | 67.73 | 67.75 | 67.74 | 67.73 | 67.73 | 67.76 | 67.79 | 67.81 | 67.80 | 67.85 | 67.96 | 68.20 | 68.82 |
| Dubbadhar/ BAGMATI | Sitamarhi | 60.28 | 61.28 | 63.75 | 60.81 | 60.80 | 60.79 | 60.78 | 60.79 | 60.80 | 60.80 | 60.80 | 60.82 | 60.85 | 60.86 | 60.89 | 60.97 | 61.23 |
| Chandauli/Kansar/ BAGMATI ** | Sitamarhi | 58.06 | 59.06 | 60.86 | 56.66 | 56.63 | 56.63 | 56.61 | 56.59 | 56.59 | 56.61 | 56.61 | 56.62 | 56.67 | 56.71 | 56.73 | 56.81 | 57.02 |
| Runisaidpur/BAGMATI | Sitamarhi | 54.00 | 55.00 | 58.15/2017 | 53.36 | 53.31 | 53.30 | 53.29 | 53.28 | 53.27 | 53.27 | 53.28 | 53.29 | 53.31 | 53.35 | 53.38 | 53.42 | 53.55 |
| Saulighat/ DHAUS | Madhubani | 51.32 | 52.32 | 55.10 | 46.05 | 46.03 | 46.03 | 46.04 | 46.04 | 46.05 | 46.05 | 46.06 | 46.07 | 46.09 | 46.10 | 46.14 | 46.31 | 46.60 |
| Kamtaul/ KHIROI_RIVER * | Darbhangha | 49.00 | 50.00 | 52.99/2004 | 46.32 | 46.32 | 46.32 | 46.32 | 46.32 | 46.32 | 46.32 | 46.32 | 46.32 | 46.32 | 46.33 | 46.34 | 46.37 | 46.39 |
| Benibad/ BAGMATI * | Muzaffarpur | 47.68 | 48.68 | 50.01/2004 | 47.77 | 47.68 | 47.65 | 47.60 | 47.56 | 47.53 | 47.50 | 47.48 | 47.46 | 47.45 | 47.45 | 47.47 | 47.48 | 47.51 |
| Ekmathat/ DARBHANGA BAGMATI | Darbhangha | 45.94 | 46.94 | 49.52/2004 | 42.02 | 41.90 | 41.86 | 41.79 | 41.73 | 41.67 | 41.61 | 41.56 | 41.47 | 41.39 | 41.34 | 41.29 | 41.26 | 41.24 |
| Hayaghat/ BAGMATI * | Darbhangha | 44.72 | 45.72 | 48.96/1987 | 41.01 | 40.87 | 40.82 | 40.74 | 40.66 | 40.60 | 40.54 | 40.49 | 40.41 | 40.37 | 40.35 | 40.36 | 40.38 | 40.41 |

All Water Levels are in metres.



- Low Flood : Water level is at or above Warning Level but below Danger Level.
 - Normal Flood Situation : Water level is touching or exceeding the Warning Level but below Danger Level.
 - Severe Flood Situation: Water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL).
 - Extreme Flood Situation : Water Level is at previous Highest Flood Level (HFL) or exceeded.
- Disclaimer:** Forecast is subject to uncertainty due to rainfall forecasts, model parameters, error in measurement and other unknown factors.
- Note :** Based on Global Forecast System (GFS) model rainfall forecast for 5 days received from IMD, temporal resolution 24 hr and spatial resolution 25 km by 25 km.
- * Water Level from CWC.
 - ** Water Level from WRD (Manual).
- Rest Water Level from WRD - Real Time Data Acquisition System (RTDAS).