

# GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 16.08.2022  
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)												
						16-08-2022			17-08-2022				18-08-2022		19-08-2022		20-08-2022	
						16-08-2022	15:00	18:00	24:00	6:00	12:00	18:00	24:00	12:00	24:00	12:00	24:00	12:00
Dheng Bridge/ BAGMATI	Sitamarhi	70.00	71.00	73.00/2019	69.68	69.59	69.56	69.49	69.44	69.39	69.35	69.32	69.29	69.33	69.51	69.76	70.09	70.35
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	67.70	67.61	67.54	67.39	67.27	67.18	67.10	67.06	67.02	67.04	67.24	67.73	68.20	68.54
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.88	60.81	60.77	60.69	60.61	60.53	60.45	60.38	60.28	60.22	60.18	60.17	60.28	60.74
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	56.72	56.73	56.73	56.68	56.59	56.48	56.36	56.24	56.02	55.87	55.77	55.71	55.71	56.03
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	53.54	53.45	53.45	53.43	53.37	53.28	53.19	53.10	52.92	52.77	52.66	52.58	52.55	52.62
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	46.66	46.66	46.65	46.65	46.64	46.63	46.62	46.61	46.59	46.56	46.54	46.52	46.51	46.50
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	46.36	46.32	46.32	46.31	46.31	46.30	46.30	46.30	46.29	46.29	46.28	46.27	46.27	46.28
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	47.88	47.85	47.83	47.79	47.76	47.73	47.70	47.66	47.57	47.47	47.37	47.28	47.22	47.16
Ekmathat/ DARBHANGA BAGMATI	Darbhangha	45.94	46.94	49.52/2004	42.28	42.30	42.30	42.30	42.30	42.30	42.29	42.28	42.26	42.23	42.20	42.16	42.13	42.11
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	41.23	41.26	41.29	41.33	41.35	41.34	41.32	41.30	41.23	41.14	41.04	40.92	40.81	40.72

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).