

# GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 23.08.2022  
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)												
						23-08-2022			24-08-2022				25-08-2022		26-08-2022		27-08-2022	
						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	69.63	69.58	69.57	69.56	69.55	69.53	69.52	69.52	69.58	69.68	69.78	69.87	69.97	
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	67.82	67.81	67.81	67.81	67.82	67.83	67.83	67.84	67.88	67.96	68.08	68.21	68.33	68.45
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.73	60.73	60.72	60.70	60.69	60.69	60.69	60.69	60.70	60.72	60.76	60.87	61.00	61.13
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	56.80	56.72	56.71	56.68	56.65	56.62	56.60	56.59	56.59	56.60	56.63	56.73	56.92	57.14
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	53.59	53.50	53.48	53.46	53.43	53.41	53.38	53.37	53.36	53.36	53.38	53.44	53.59	53.79
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	46.04	46.00	45.99	45.98	45.98	45.97	45.96	45.96	45.95	45.93	45.92	45.91	45.91	45.92
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	46.32	46.32	46.32	46.33	46.33	46.33	46.33	46.33	46.33	46.33	46.33	46.34	46.34	46.36
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	48.13	47.96	47.91	47.82	47.74	47.67	47.62	47.57	47.50	47.45	47.43	47.43	47.45	47.52
Ekmgihat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	42.49	42.34	42.29	42.20	42.10	42.01	41.93	41.85	41.71	41.59	41.49	41.40	41.33	41.28
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	41.52	41.31	41.24	41.10	40.95	40.80	40.67	40.54	40.31	40.14	40.00	39.91	39.85	39.83

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).