

# GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 20.08.2022  
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)												
						20-08-2022			21-08-2022			22-08-2022		23-08-2022		24-08-2022		
						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	70.03	70.38	70.45	70.61	70.69	70.66	70.56	70.46	70.35	70.29	70.24	70.19	70.14	70.16
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	68.27	68.71	68.76	68.89	69.00	69.02	68.94	68.84	68.74	68.70	68.66	68.61	68.56	68.56
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.81	60.86	60.88	61.09	61.30	61.48	61.61	61.65	61.52	61.40	61.35	61.31	61.26	61.20
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	57.10	57.30	57.34	57.42	57.64	57.94	58.22	58.41	58.45	58.28	58.16	58.11	58.04	57.96
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	54.21	54.16	54.25	54.39	54.56	54.81	55.08	55.31	55.51	55.45	55.36	55.29	55.23	55.17
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	46.38	46.30	46.29	46.29	46.29	46.29	46.29	46.29	46.28	46.28	46.28	46.29	46.30	46.31
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	46.32	46.32	46.32	46.31	46.30	46.29	46.29	46.28	46.27	46.27	46.26	46.27	46.27	46.27
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	47.70	48.44	48.58	48.75	48.89	49.00	49.10	49.20	49.38	49.46	49.49	49.50	49.50	49.49
Ekmathat/ DARBHANGA BAGMATI	Darbhangha	45.94	46.94	49.52/2004	41.79	42.09	42.15	42.26	42.39	42.53	42.70	42.87	43.16	43.35	43.50	43.63	43.74	43.85
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	41.03	41.29	41.38	41.62	41.90	42.15	42.38	42.60	42.90	43.10	43.26	43.39	43.52	43.64

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).