

## GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 17.08.2022  
Time of Model Run : 12:30 PMA 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)												
						17-08-2022			18-08-2022				19-08-2022		20-08-2022		21-08-2022	
						17-08-2022	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	69.67	69.65	69.61	69.57	69.54	69.52	69.50	69.49	69.56	69.82	70.11	70.24	70.28
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	67.63	67.60	67.56	67.47	67.38	67.32	67.27	67.24	67.20	67.28	67.71	68.18	68.38	68.45
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.87	60.86	60.85	60.84	60.83	60.81	60.78	60.75	60.71	60.70	60.70	60.78	61.15	61.41
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	56.60	56.56	56.55	56.53	56.51	56.49	56.46	56.41	56.32	56.27	56.24	56.26	56.59	57.20
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	53.31	53.27	53.25	53.23	53.22	53.21	53.19	53.16	53.09	53.04	53.01	53.01	53.11	53.61
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	46.59	46.52	46.50	46.49	46.47	46.46	46.44	46.43	46.41	46.39	46.37	46.35	46.34	46.32
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	46.33	46.33	46.34	46.34	46.35	46.35	46.35
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	47.68	47.50	47.45	47.36	47.27	47.18	47.10	47.02	46.86	46.71	46.56	46.44	46.35	46.32
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	42.14	42.06	42.03	41.98	41.92	41.86	41.81	41.75	41.65	41.57	41.50	41.44	41.38	41.34
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	40.95	40.82	40.77	40.67	40.56	40.44	40.32	40.20	39.96	39.72	39.49	39.27	39.06	38.88

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).