

## GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 22.08.2022  
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)												
						22-08-2022			23-08-2022			24-08-2022		25-08-2022		26-08-2022		
						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	69.72	69.67	69.66	69.62	69.59	69.57	69.55	69.54	69.52	69.53	69.65	69.82	69.93	70.03
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	67.98	67.84	67.83	67.80	67.79	67.78	67.78	67.78	67.79	67.84	67.98	68.19	68.35	68.46
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.73	60.68	60.64	60.56	60.49	60.45	60.43	60.41	60.40	60.44	60.50	60.58	60.77	60.97
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	57.00	56.86	56.81	56.68	56.54	56.41	56.31	56.23	56.15	56.14	56.21	56.30	56.48	56.82
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	54.04	53.83	53.78	53.69	53.58	53.46	53.35	53.25	53.13	53.09	53.12	53.20	53.31	53.59
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	46.14	46.10	46.09	46.08	46.07	46.07	46.06	46.06	46.06	46.09	46.15	46.24	46.33	46.48
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	46.32	46.32	46.32	46.32	46.33	46.33	46.34	46.35	46.37	46.38	46.39	46.44	46.47	46.48
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	48.70	48.35	48.27	48.10	47.93	47.75	47.58	47.40	47.07	46.76	46.52	46.38	46.34	46.37
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	42.79	42.71	42.69	42.63	42.55	42.46	42.37	42.27	42.09	41.93	41.80	41.70	41.62	41.57
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	41.92	41.91	41.89	41.80	41.67	41.51	41.33	41.14	40.73	40.30	39.88	39.49	39.16	38.92

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).