

## GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 06.08.2022  
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)												
						06-08-2022			07-08-2022				08-08-2022		09-08-2022		10-08-2022	
						06-08-2022	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	70.22	70.35	70.35	70.36	70.37	70.37	70.38	70.38	70.41	70.44	70.43	70.40	70.36	70.32
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	68.40	68.68	68.69	68.70	68.71	68.72	68.73	68.74	68.78	68.82	68.84	68.83	68.80	68.79
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.91	60.98	61.04	61.19	61.28	61.33	61.35	61.36	61.39	61.43	61.47	61.49	61.49	61.46
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	57.54	57.47	57.48	57.57	57.73	57.86	57.93	57.97	58.00	58.03	58.07	58.11	58.11	58.07
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	54.78	54.59	54.57	54.57	54.67	54.82	54.94	55.02	55.09	55.12	55.16	55.20	55.22	55.21
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	50.21	50.09	50.05	49.96	49.87	49.78	49.69	49.59	49.39	49.19	48.97	48.76	48.55	48.35
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	48.81	48.80	48.80	48.78	48.76	48.74	48.71	48.69	48.64	48.60	48.57	48.53	48.50	48.47
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	49.31	49.16	49.12	49.05	48.98	48.93	48.89	48.88	48.89	48.88	48.87	48.85	48.84	48.83
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	45.48	45.51	45.51	45.50	45.47	45.43	45.38	45.31	45.14	44.95	44.75	44.55	44.36	44.17
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	44.28	44.39	44.41	44.44	44.44	44.44	44.41	44.37	44.31	44.15	43.98	43.80	43.63	43.47

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).