

## GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 08.08.2022  
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)												
						08-08-2022			09-08-2022				10-08-2022		11-08-2022		12-08-2022	
						08-08-2022	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	69.98	69.90	69.88	69.82	69.77	69.72	69.67	69.64	69.60	69.61	69.64	69.69	69.76	69.83
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	68.20	68.18	68.16	68.11	68.06	68.01	67.97	67.94	67.91	67.94	68.00	68.07	68.16	68.25
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.85	60.86	60.85	60.84	60.80	60.76	60.71	60.66	60.58	60.53	60.52	60.57	60.63	60.72
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	57.25	57.18	57.16	57.12	57.07	57.01	56.92	56.83	56.65	56.49	56.40	56.39	56.45	56.56
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	54.46	54.37	54.36	54.33	54.29	54.24	54.17	54.09	53.91	53.74	53.61	53.55	53.58	53.67
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	49.54	49.39	49.34	49.24	49.14	49.04	48.94	48.84	48.64	48.46	48.28	48.12	47.97	47.84
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	48.40	48.32	48.30	48.28	48.26	48.24	48.22	48.20	48.17	48.14	48.11	48.08	48.06	48.04
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	49.54	48.92	48.76	48.52	48.33	48.17	48.02	47.87	47.57	47.29	47.04	46.84	46.70	46.65
Ekmathat/ DARBHANGA BAGMATI	Darbhangha	45.94	46.94	49.52/2004	45.41	45.35	45.34	45.31	45.28	45.22	45.14	45.04	44.80	44.54	44.31	44.11	43.94	43.79
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	44.24	44.28	44.30	44.30	44.27	44.18	44.05	43.86	43.43	42.98	42.55	42.15	41.79	41.49

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).