

## GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 29.08.2022  
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)												
						29-08-2022			30-08-2022				31-08-2022		01-09-2022		02-09-2022	
						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	70.04	69.88	69.87	69.86	69.84	69.81	69.79	69.79	69.87	70.10	70.49	70.87	71.08	71.08
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	68.30	68.10	68.07	68.05	68.04	68.01	67.99	67.97	68.05	68.29	68.71	69.05	69.32	69.36
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.84	60.55	60.49	60.36	60.24	60.18	60.14	60.11	60.08	60.14	60.40	60.88	61.33	61.68
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	58.00	57.33	57.20	56.97	56.78	56.60	56.47	56.38	56.27	56.23	56.34	56.84	57.59	58.29
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	55.52	54.65	54.39	54.05	53.85	53.69	53.56	53.45	53.33	53.27	53.30	53.60	54.36	55.11
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	47.13	47.32	47.37	47.46	47.53	47.59	47.64	47.72	47.93	48.20	48.47	48.72	48.92	49.07
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	46.74	46.79	46.87	47.06	47.34	47.56	47.72	47.85	48.01	48.10	48.18	48.27	48.36	48.43
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	47.43	48.61	48.78	48.87	48.83	48.79	48.77	48.75	48.69	48.63	48.58	48.55	48.62	48.87
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	41.94	42.49	42.63	42.86	43.12	43.41	43.67	43.88	44.19	44.40	44.56	44.78	45.68	46.32
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	41.16	41.63	41.76	42.14	42.58	42.95	43.20	43.39	43.64	43.80	43.90	44.33	45.64	46.24

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).