

## GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 27.08.2022  
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)												
						27-08-2022			28-08-2022			29-08-2022		30-08-2022		31-08-2022		
						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	69.48	69.44	69.43	69.39	69.36	69.33	69.33	69.45	70.45	70.75	70.77	70.66	70.54	70.46
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	67.70	67.69	67.67	67.62	67.56	67.51	67.46	67.53	68.68	69.04	69.11	69.00	68.87	68.79
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.78	60.77	60.77	60.75	60.74	60.72	60.69	60.67	60.65	61.39	61.97	62.11	62.03	61.90
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	56.62	56.57	56.57	56.55	56.53	56.51	56.47	56.44	56.35	56.60	58.01	58.53	58.59	58.46
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	53.28	53.23	53.22	53.21	53.19	53.18	53.16	53.13	53.08	53.07	54.11	55.01	55.22	55.17
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	45.95	45.93	45.98	46.27	46.78	47.38	47.85	48.24	48.77	49.02	49.11	49.09	49.04	49.03
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	46.22	46.22	46.23	46.24	46.27	46.30	46.35	46.39	46.46	46.47	46.48	46.48	46.48	46.49
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	47.67	47.58	47.56	47.52	47.49	47.47	47.44	47.43	47.39	47.36	47.33	47.75	48.37	48.66
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	41.55	41.53	41.52	41.51	41.49	41.47	41.46	41.45	41.67	42.32	42.81	43.06	43.18	43.25
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	40.61	40.55	40.53	40.50	40.45	40.41	40.36	40.31	40.25	40.33	40.50	40.62	40.89	41.40

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).