

GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 13.08.2022
Time of Model Run : 12:30 PM



A 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)												
						13-08-2022			14-08-2022				15-08-2022		16-08-2022		17-08-2022	
						13-08-2022	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	69.60	69.58	69.57	69.54	69.52	69.50	69.48	69.48	69.54	69.68	69.81	69.89	69.94	69.99
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	67.75	67.74	67.72	67.67	67.63	67.59	67.56	67.54	67.60	67.81	67.98	68.09	68.16	68.22
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.89	60.88	60.88	60.87	60.86	60.84	60.81	60.79	60.75	60.76	60.84	60.99	61.11	61.18
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	56.66	56.68	56.68	56.67	56.66	56.64	56.61	56.57	56.50	56.45	56.49	56.68	56.92	57.10
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	53.57	53.54	53.55	53.55	53.55	53.54	53.52	53.49	53.41	53.35	53.35	53.46	53.68	53.88
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	47.41	47.22	47.18	47.11	47.05	47.01	46.97	46.94	46.89	46.86	46.85	46.84	46.84	46.84
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	47.44	47.39	47.39	47.38	47.37	47.36	47.34	47.33	47.32	47.31	47.30	47.29	47.28	47.27
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	47.98	47.88	47.85	47.78	47.74	47.70	47.67	47.64	47.59	47.54	47.48	47.45	47.47	47.58
Ekmathat/ DARBHANGA BAGMATI	Darbhangha	45.94	46.94	49.52/2004	43.51	43.33	43.26	43.13	43.01	42.89	42.78	42.67	42.50	42.37	42.26	42.17	42.10	42.04
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	42.58	42.38	42.31	42.16	42.02	41.88	41.76	41.65	41.46	41.32	41.20	41.10	41.01	40.95

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).