

GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 15.08.2022
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)												
						15-08-2022			16-08-2022				17-08-2022		18-08-2022		19-08-2022	
						15-08-2022	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	69.89	69.89	69.89	69.84	69.77	69.70	69.63	69.57	69.49	69.47	69.49	69.57	69.73	69.96
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	68.16	68.11	68.14	68.11	68.04	67.96	67.87	67.80	67.68	67.63	67.65	67.76	67.95	68.22
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.88	60.97	61.01	61.06	61.08	61.07	61.03	60.96	60.82	60.70	60.62	60.59	60.61	60.73
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	57.13	57.29	57.34	57.45	57.54	57.60	57.61	57.57	57.41	57.22	57.05	56.95	56.92	56.98
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	53.87	54.22	54.29	54.42	54.56	54.67	54.73	54.75	54.66	54.47	54.27	54.13	54.05	54.06
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	46.75	46.71	46.71	46.70	46.70	46.69	46.69	46.68	46.67	46.66	46.65	46.63	46.61	46.60
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	46.72	46.63	46.63	46.63	46.63	46.63	46.63	46.63	46.62	46.62	46.62	46.62	46.62	46.62
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	47.50	47.57	47.61	47.71	47.79	47.88	47.97	48.04	48.11	48.08	47.98	47.85	47.72	47.59
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	42.44	42.26	42.20	42.10	42.00	41.92	41.85	41.80	41.73	41.70	41.68	41.65	41.59	41.52
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	41.18	40.94	40.88	40.79	40.75	40.74	40.77	40.82	40.93	41.02	41.05	41.00	40.88	40.73

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).