

GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

Date of Forecast : 05.08.2022
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)												
						05-08-2022			06-08-2022				07-08-2022		08-08-2022		09-08-2022	
						05-08-2022	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	70.09	70.11	70.10	70.07	70.05	70.03	70.02	70.01	70.02	70.13	70.34	70.40	70.34	70.25
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	68.32	68.31	68.30	68.29	68.27	68.26	68.25	68.24	68.27	68.39	68.65	68.72	68.70	68.65
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.96	60.93	60.91	60.90	60.89	60.89	60.88	60.87	60.86	60.88	61.00	61.24	61.36	61.35
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	57.80	57.59	57.55	57.47	57.42	57.39	57.37	57.35	57.31	57.29	57.33	57.57	57.87	57.97
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	55.28	55.00	54.93	54.81	54.72	54.65	54.61	54.58	54.53	54.50	54.50	54.65	54.95	55.14
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	50.43	50.37	50.35	50.31	50.27	50.22	50.16	50.11	49.99	49.87	49.74	49.62	49.49	49.37
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	48.47	48.62	48.64	48.65	48.64	48.63	48.61	48.59	48.55	48.50	48.45	48.40	48.36	48.33
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	49.61	49.51	49.46	49.36	49.26	49.17	49.09	49.01	48.85	48.70	48.55	48.41	48.34	48.37
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	45.29	45.40	45.43	45.48	45.51	45.51	45.50	45.48	45.41	45.29	45.14	44.95	44.74	44.54
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	44.07	44.23	44.28	44.35	44.40	44.44	44.46	44.46	44.41	44.29	44.10	43.86	43.58	43.31

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).