

# GAUGE FORECAST IN BAGMATI-ADHWARA RIVER BASIN

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

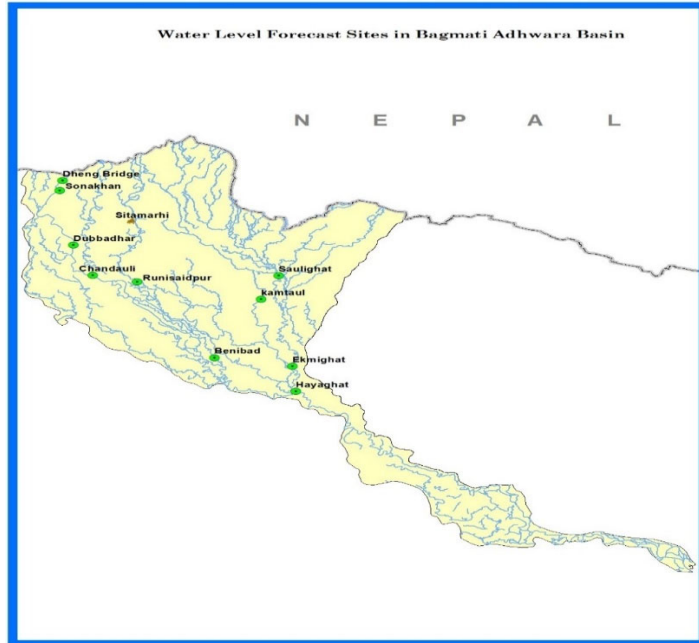
Date of Forecast : 10.08.2022  
Time of Model Run : 12:30 PM



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)												
						10-08-2022			11-08-2022				12-08-2022		13-08-2022		14-08-2022	
						10-08-2022	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	69.78	69.79	69.96	70.27	70.38	70.32	70.16	70.01	69.85	69.77	69.73	69.71	69.69	69.67
Sonakhan/ BAGMATI **	Sitamarhi	67.80	68.80	72.05/2019	68.00	67.99	68.13	68.52	68.72	68.71	68.60	68.43	68.22	68.12	68.08	68.06	68.05	68.04
Dubbadhar/ BAGMATI	Sitamarhi	60.28	61.28	63.75	60.88	60.87	60.86	60.84	60.93	61.22	61.43	61.49	61.32	61.10	60.98	60.91	60.89	60.88
Chandauli/Kansar/ BAGMATI **	Sitamarhi	58.06	59.06	60.86	57.10	57.10	57.10	57.08	57.05	57.14	57.48	57.81	57.91	57.65	57.38	57.21	57.12	57.07
Runisaidpur/BAGMATI	Sitamarhi	54.00	55.00	58.15/2017	54.15	54.09	54.09	54.08	54.05	54.05	54.20	54.56	54.96	54.85	54.55	54.29	54.15	54.08
Saulighat/ DHAUS	Madhubani	51.32	52.32	55.10	48.83	48.67	48.62	48.55	48.48	48.41	48.35	48.29	48.19	48.10	48.02	47.96	47.90	47.85
Kamtaul/ KHIROI_RIVER *	Darbhangha	49.00	50.00	52.99/2004	48.16	48.08	48.07	48.05	48.04	48.03	48.01	48.00	47.98	47.96	47.94	47.92	47.90	47.89
Benibad/ BAGMATI *	Muzaffarpur	47.68	48.68	50.01/2004	48.56	48.54	48.53	48.50	48.47	48.44	48.42	48.40	48.52	48.70	48.74	48.68	48.58	48.50
Ekmathat/ DARBHANGA_BAGMATI	Darbhangha	45.94	46.94	49.52/2004	44.86	44.65	44.59	44.46	44.33	44.20	44.08	43.96	43.74	43.55	43.43	43.35	43.28	43.19
Hayaghat/ BAGMATI *	Darbhangha	44.72	45.72	48.96/1987	43.74	43.63	43.57	43.45	43.34	43.22	43.11	43.00	42.80	42.68	42.66	42.67	42.63	42.54

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).