GAUGE FORECAST IN MAHANANDA RIVER BASIN

WRD,GoB

(Gauge forecast for 3 days based on 3 days rainfall forecast from IMD)

Date & Time of Forecast: 29-10-2024 12:30

A FMISC, Bihar product based on Mike 11 Model

Station / River	District	HFL (m) / Year	DL (m)	Observed WL (m) at 8:00 AM	Forecast Gauge (m)								
					29-10-2024			30-10-2024				31-10-2024	
				29-10-2024	15:00	18:00	24.00	6.00	12.00	18.00	24.00	12.00	24.00
Dhengraghat	Purnia	38.20/17	35.65	33.87	33.87	33.87	33.88	33.88	33.88	33.88	33.88	33.88	33.87
Jhawa	Katihar	34.07/17	31.40	28.45	28.40	28.39	28.36	28.35	28.33	28.33	28.32	28.30	28.29

Forecast WL at Dhengraghat

Forecast WL at Jhawa

Disclaimer: (i) Forecast is subject to uncertainty due to rainfall forecasts, model parameters, error in measurement and other unknown factors.

(ii) Cross-Sections used is from JAXA- satellite

(iii) MIKE11 Data assimilation has been used, which has considerable impact on discharge and thus on Water level Prediction.

(iv) This forecast is based on WRF model rainfall forecast for 3 days received from IMD whose temporal resolution is 6 hours and spatial resolution is 3 km by 3 km

(v) This forecast has been issued based on model run for 10 days out of which 7 days are hindcast based on observed data and 3 days forecast received from IMD