



Central Water Commission
Upper Ganga Basin Organisation, Lucknow
Daily Flood Situation Report Cum Advisories
Date: 24 July, 2020

FSR No.32

Dated 24-07-2020

1. Weather forecast by IMD

I. SYNOPTIC SITUATION:

- The monsoon trough now passes through Bikaner, Sikar, Gwalior, Varanasi, Patna, Shantiniketan, Haldia and thence southeastwards to Northwest Bay of Bengal and extends upto 1.5 km above mean sea level.
- The trough in mid-tropospheric westerlies roughly along Long.80°E to the north of Lat.30°N with its axis at 5.8 km above mean sea level has moved away north-eastwards.
- A cyclonic circulation between 3.6 km & 5.8 km above mean sea level lies over southwest Uttar Pradesh & neighbourhood.
- A Western Disturbance as a cyclonic circulation at 3.1 km above mean sea level lies over western parts of Afghanistan & neighbourhood.

II. a) DETERMINISTIC FORECAST (QPF):

II (b) DETERMINISTIC FORECAST (DISTRIBUTION)

QPF in Ranges (mm)	UNLISTED	0	0.1-10	11-25	26-50	51-100	>100
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Spatial Distribution of Rainfall		
DRY	Dry	No Station reported rainfall
ISOL	One or two Places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few Places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many Places	51%-75% number of stations recorded rainfall 2.5 mm
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm

Intensity of Rainfall					
M.Dry	NIL	0 cm	VL	Very Light Rainfall	Trace
L	Light Rainfall	Upto 1 cm	M	Moderate rainfall	02-06 cm
H	Heavy rainfall	07-11 cm	VH	Very Heavy rainfall	12-20 cm
EH	Extremely Heavy rainfall	21 cm or More			
ExH	Exceptionally Heavy Rainfall	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm			

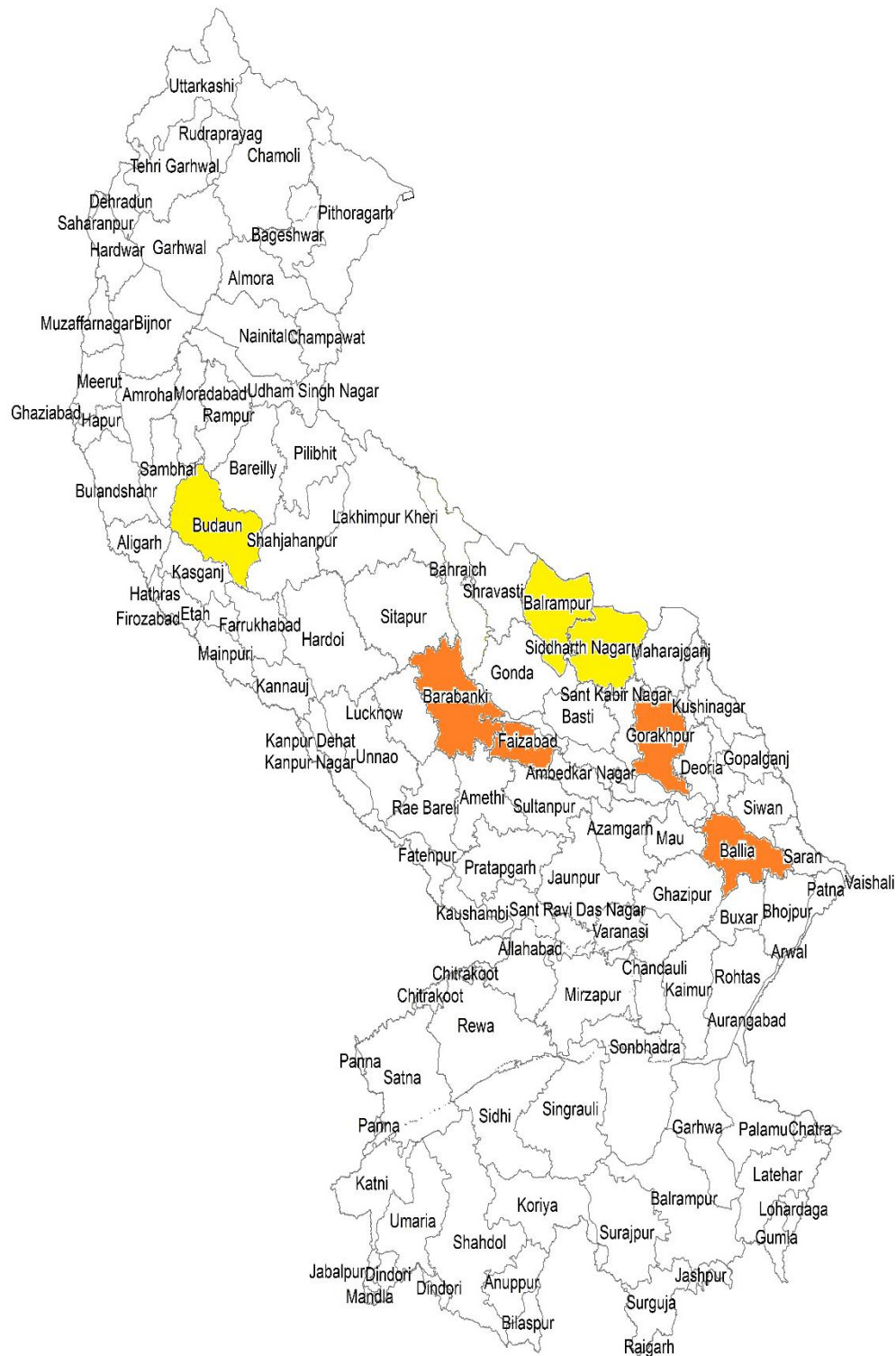
III. HEAVY RAINFALL WARNING:

IV. PROBABILISTIC FORECAST

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100
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2. Summary of flood situation as per CWC flood forecasting network

Flood Situation on 24 JULY, 2020



1. River Burhi Rapti at Kakrahi in SIDDHARTHANAGAR district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 86.5 m with Steady trend which is 0.85 m above its Danger Level of 85.65 m and 2.47 m below its previous HFL of 88.97 m (1998-08-22).
2. River Kwano at Chandradeepghat in GONDA district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 88.94 m with Falling trend which is 0.10 m above its Danger Level of 88.84 m and 3.10 m below its previous HFL of 92.04 m (1989-07-16).
3. River Ghagra at Ayodhya in FAIZABAD district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 92.89 m with Falling trend which is 0.16 m above its Danger Level of 92.73 m and 1.12 m below its previous HFL of 94.01 m (2009-10-11).
4. River Rohin at Trimohinighat in MAHRAJGANJ district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 83.16 m with Steady trend which is 0.72 m above its Danger Level of 82.44 m and 2.32 m below its previous HFL of 85.48 m (2017-08-15)..
5. River Ghagra at Elginbridge in BARABANKI district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 106.366 m with Falling trend which is 0.30 m above its Danger Level of 106.07 m and 1.25 m below its previous HFL of 107.616 m (2014-08-18).
6. River Ghagra at Turtipar in BALLIA district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 64.61 m with Rising trend which is 0.60 m above its Danger Level of 64.01 m and 1.39 m below its previous HFL of 66.0 m (1998-08-28).
7. River Rapti at Regauli in GORAKHPUR district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 80.49 m with Steady trend which is 0.19 m above its Danger Level of 80.3 m and 1.63 m below its previous HFL of 82.12 m (2000-09-16).
8. River Rapti at Birdghat in GORAKHPUR district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 75.91 m with Steady trend which is 0.93 m above its Danger Level of 74.98 m and 1.63 m below its previous HFL of 77.54 m (1998-08-23).
9. River Kunhara at Uskabazar in SIDDHARTHANAGAR district of Uttar Pradesh continues to flow in SEVERE SITUATION at 14:00 hrs today. At 14:00 hrs, it was flowing at a level of 83.55 m with Steady trend which is 0.03 m above its Danger Level of 83.52 m and 2.07 m below its previous HFL of 85.62 m (1998-08-21).

2.1 Rainfall Situation

Amount of rainfall recorded at 8:30 hours IST of today (≥ 50 mm or more)

Name of Place (State)	Rainfall (in mm)
Chauhaanpatti (U.P)	58.8

2.2 LEVEL FORECAST

LEVEL FORECAST		
S.No.	Flood Situations	No. of Forecasting Sites
A.	Extreme Flood Situation:	
	(Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalized)	0
B.	Severe Flood Situation :	
	(Site(s) where water Level touching or exceeding the Danger Level but below Highest Flood Level(HFL)	4
C.	Above Normal Flood Situation:	
	(Site (s) where water level touching or exceeding the warning Level but below Danger Level)	3
Total Numbers of Sites above Warning Level (A+B+C)		7
INFLOW FORECAST		
Number of Sites for which inflow forecasts issued:		0
(Where inflow are equal or exceed the specified Threshold Limit for a particular reservoir/ barrage)		0

2.3 Above Normal (Water Level touching or exceeding the warning Level but below Danger Level)

Name of river	Flood Forecasting Sites	District	State	Danger Level(m)	Warning Level (m)	Previous Highest		Actual Level			Forecast			
						Level (m)	Date	Level (m)	Time	Trend	Level (m)	Date	Time	Trend
Rapti	Balrampur	Balrampur	U.P	104.62	103.62	105.54	2015	104.11	0800	F	103.65	25.07.20	0800	F
Rapti	Bansi	Siddharth nagar	U.P	84.9	83.9	85.88	2017	84.78	0800	S	84.45	25.07.20	0800	F
Ganga	Kachhla bridge	Budaun	U.P.	162.0	161.0	162.79	2010	161.81	0800	R	161.40	25.07.20	0800	F

2.4 Severe Flood Situation (Water Level touching or exceeding the Danger Level but below Highest Flood Level (HFL))

Name of river	Flood Forecasting Sites	District	State	Danger Level(m)	Warning Level (m)	Previous Highest		Actual Level			Forecast			
						Level(m)	Date	Level(m)	Time	Trend	Level (m)	Date	Time	Trend
Ghaghra	Elgin Bridge	Barabanki	U.P.	106.07	105.07	107.616	2014	106.446	0800	S	106.20	25.07.20	0800	F
Rapti	Birdghat	Gorakhpur	U.P	74.98	73.98	77.54	1998	75.86	0800	R	76.05	25.07.20	0800	R
Ghaghra	Turtipar	Baliya	U.P	64.01	63.01	66.00	1998	64.58	0800	R	64.55	25.07.20	0800	F
Ghaghra	Ayodhya	Faizabad	U.P	92.73	91.73	94.01	2009	92.95	0800	F	92.70	25.07.20	0800	F

2.5 Extreme Flood Situation (Water Level exceeded or equalized Highest Flood Level (HFL))

Name of river	Flood Forecasting Sites	District	State	Danger Level(m)	Warning Level (m)	Previous Highest		Actual Level			Forecast			
						Level(m)	Date	Level(m)	Time	Trend	Level (m)	Date	Time	Trend

Note - No Station in this situation Dated 24.07.2020

2.6 Inflow Forecast

Name of river	Flood Forecasting Sites	District	State	HFL(m)	FRL(m)	Previous Highest		Actual Level			Forecast			
						Discharge (Q)	Date	Discharge (Q)	Time	Trend	D (Q)	Date	Time	Trend

Note - No Station in this situation Dated 24.07.2020

Advisory on Hydro Meteorological Situation Expected from 25-07-2020 to 26-07-2020

As per rainfall pattern given in section II, Alaknanda, Bhagirathi, Ganga rivers are expected to receive very light to light rain at isolated to scattered area in next 48 hrs. Ghaghra Ramganga, Sharda & Rapti river basin received light to moderate rain at Widespread to scattered places in next 48 hours. Water level at most of CWC station is expected to fall / steady in next 48 hours. From the given QPF, above normal flood like situation is expected in most of river basins. Level forecast will be issued if the level of river at stations is likely to touch or cross warning level.

अधिशसीअभियंता

मध्य गंगा मण्डल -1 लखनऊ

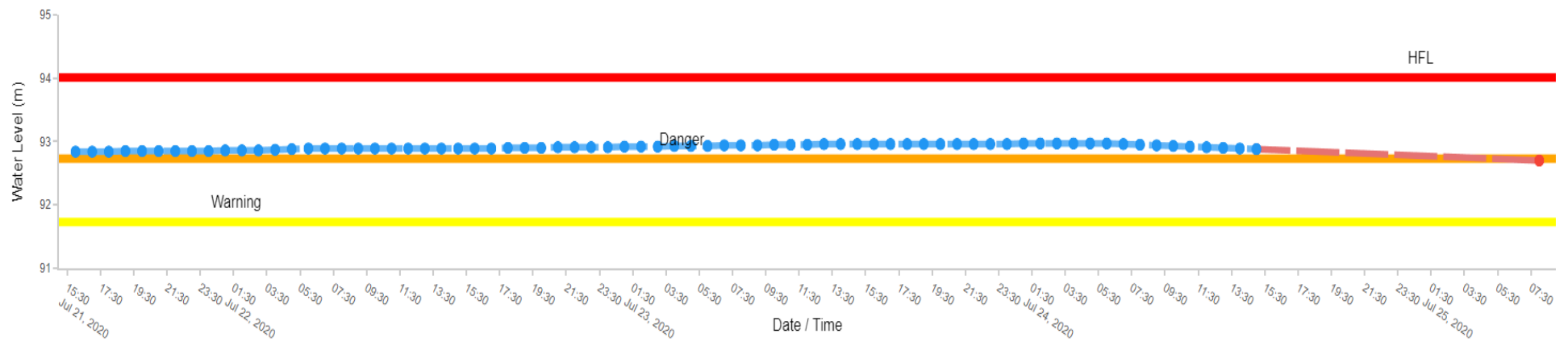


Hydrograph view of - Ayodhya



District	Basin	River	Division
FAIZABAD	Ganga	Ghagra	Middle Ganga Division-I(MGD-I), Lucknow

Forecasted Water Level Measured Water Level



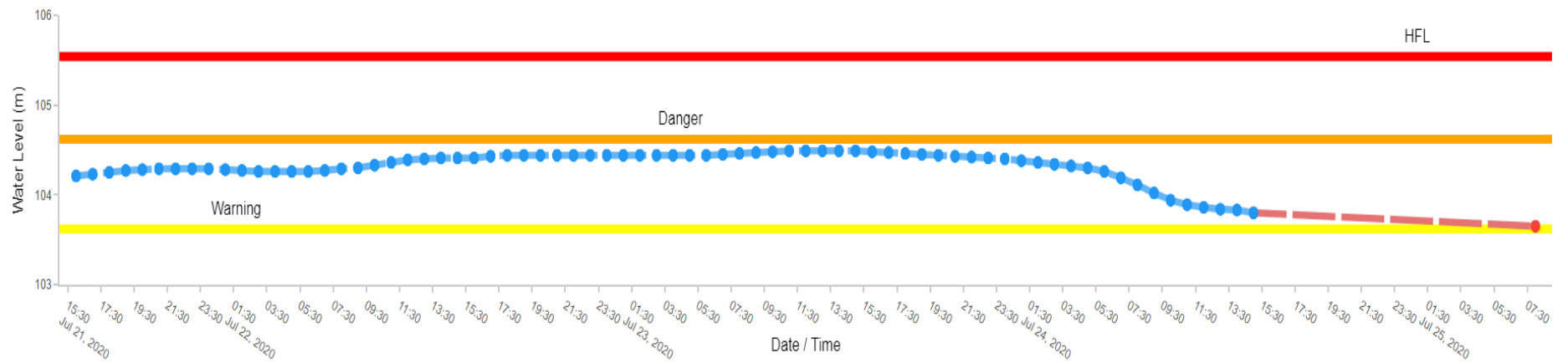


Hydrograph view of - Balrampur



District	Basin	River	Division
BALRAMPUR	Ganga	Rapti	Middle Ganga Division-I(MGD-I), Lucknow

Forecasted Water Level Measured Water Level



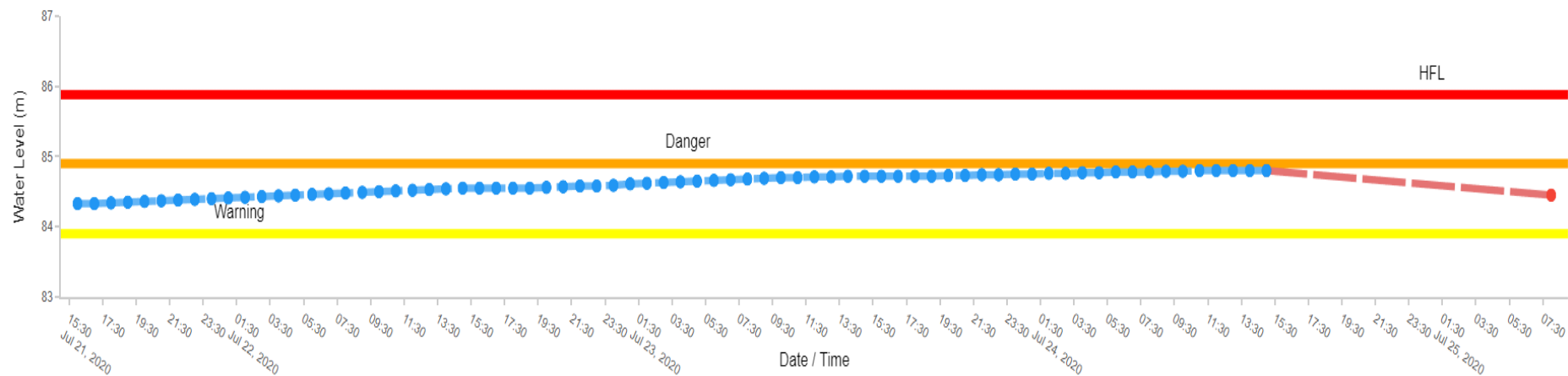


Hydrograph view of - Bansi



District	Basin	River	Division
SIDDHARTHANAGAR	Ganga	Rapti	Middle Ganga Division-I(MGD-I), Lucknow

Forecasted Water Level Measured Water Level



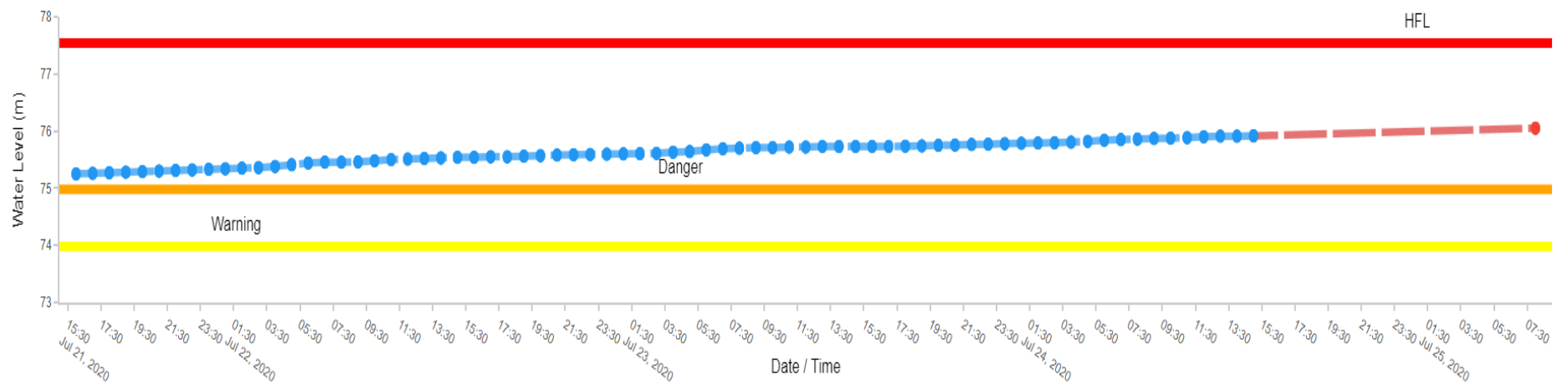


Hydrograph view of - Birdghat



District	Basin	River	Division
GORAKHPUR	Ganga	Rapti	Middle Ganga Division-I(MGD-I), Lucknow

Forecasted Water Level Measured Water Level



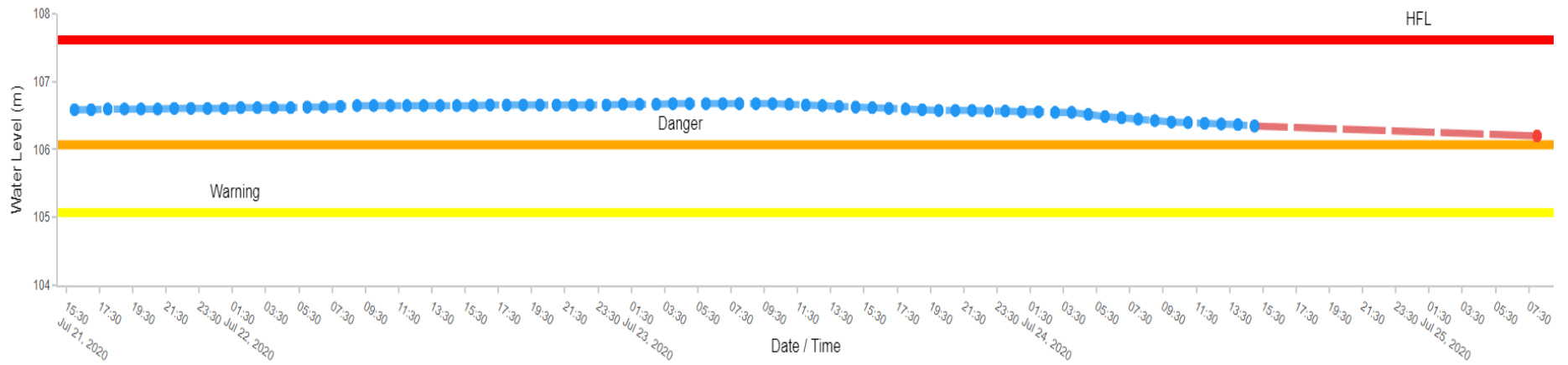


Hydrograph view of - Elginbridge



District	Basin	River	Division
BARABANKI	Ganga	Ghagra	Middle Ganga Division-I(MGD-I), Lucknow

Forecasted Water Level Measured Water Level



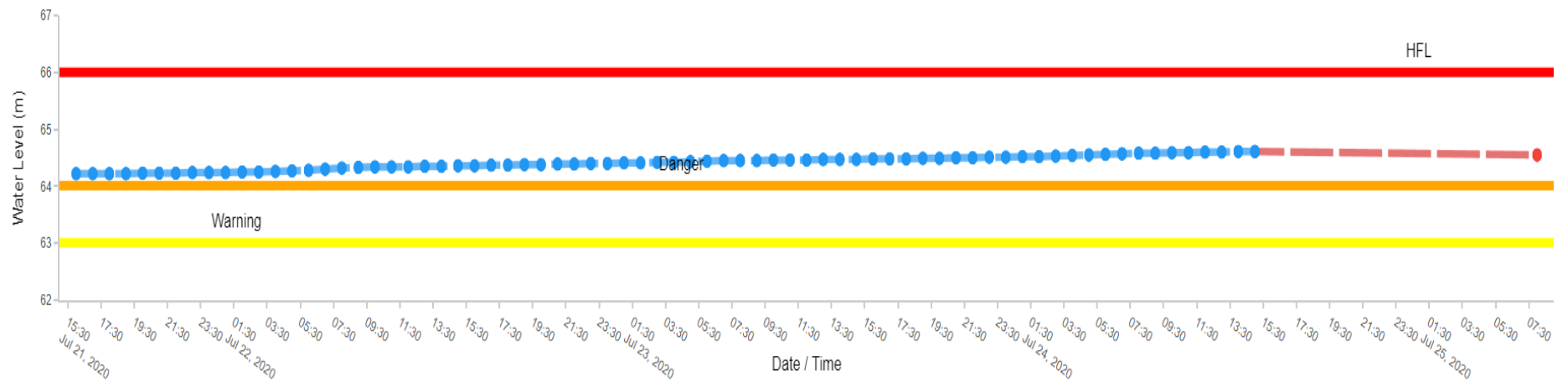


Hydrograph view of - Turtipar



District	Basin	River	Division
BALLIA	Ganga	Ghagra	Middle Ganga Division-I(MGD-I), Lucknow

Forecasted Water Level Measured Water Level





Hydrograph view of - Kachhlabridge



District	Basin	River	Division
BUDAUN	Ganga	Ganga	Middle Ganga Division-II(MGD-II), Lucknow

Forecasted Water Level Measured Water Level

