



Central Water Commission
Upper Ganga Basin Organisation, Lucknow
Daily Flood Situation Report Cum Advisories
Date: 13 July, 2020

FSR No.21

Dated 13-07-2020

1. Weather forecast by IMD

I. SYNOPTIC SITUATION:

- The monsoon trough at mean sea level now passes through Amritsar, Chandigarh, Bareilly, Azamgarh, Jamui, Dhumka, Canning and thence southeastwards to north Bay of Bengal.
- Yesterday's cyclonic circulation over south Pakistan & neighbourhood at 1.5 km above mean sea level persists.
- The Western Disturbance as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Longitude 68°E to the north of Latitude 30°N persists.
- A cyclonic circulation over Southwest Rajasthan & neighbourhood at 2.1 km above mean sea level.

II. a) DETERMINISTIC FORECAST (QPF):

S. No.	BASIN NAME	SUBBASIN CODE/NAME	QPF (mm)		
			Day-1	Day-2	Day-3
1	Alaknanda	Alaknanda	0	0.1-10	0.1-10
2	Bhagirathi	Bhagirathi	0	0	0.1-10
3	Ganga	Chhatnag to Mirzapur	0.1-10	0.1-10	0.1-10
		Narora to Phaphamau	0	0	0.1-10
		Phaphamau to Ballia	0.1-10	0.1-10	0.1-10
		Gomti	0	0	0.1-10
		Sai	0	0	0.1-10
		Upper Ganga	0	0	0.1-10
4	Ghaghra	Lower Ghaghra	0.1-10	0.1-10	0.1-10
		Middle Ghaghra	0.1-10	0.1-10	0.1-10
		Upper Ghaghra	0	0.1-10	0.1-10
5	Ramganga	Ramganga	0	0	0.1-10
6	Rapti	Rapti	0.1-10	0.1-10	0.1-10
7.	Sharda	Sharda	0.1-10	0.1-10	0.1-10

II (b) DETERMINISTIC FORECAST (DISTRIBUTION)

	BASIN NAME	SUBBASIN CODE/NAME	INTENSITY (I) & SPATIAL DISTRIBUTION (D)					
			Day-1		Day-2		Day-3	
			I	D	I	D	I	D
1	Alaknanda	Alaknanda	M.Dry	DRY	VL	ISOL	VL	ISOL
2	Bhagirathi	Bhagirathi	M.Dry	DRY	M.Dry	DRY	VL	ISOL
3	Ganga	Chhatnag to Mirzapur	L	ISOL	L	ISOL	L	ISOL
		Narora to Phaphamau	M.Dry	DRY	M.Dry	DRY	L	SCT
		Phaphamau to Ballia	L	SCT	L	SCT	L	SCT
		Gomti	M.Dry	DRY	M.Dry	DRY	L	ISOL
		Sai	M.Dry	DRY	M.Dry	DRY	L	SCT
		Upper Ganga	M.Dry	DRY	M.Dry	DRY	M	WS
4	Ghaghra	Lower Ghaghra	L	SCT	L	SCT	L	SCT
		Middle Ghaghra	L	SCT	L	SCT	L	SCT
		Upper Ghaghra	L	SCT	L	SCT	L	SCT
5	Ramganga	Ramganga	M.Dry	DRY	M.Dry	DRY	M	WS
6	Rapti	Rapti	L	SCT	L	SCT	L	SCT
7.	Sharda	Sharda	L	ISOL	L	FWS	M	FWS

QPF in Ranges (mm)	UNLISTED	0	0.1-10	11-25	26-50	51-100	>100
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III. HEAVY RAINFALL WARNING:

NAME OF BASIN	NAME OF SUB- BASIN	Day-1		Day-2		Day-3	
		I	D	I	D	I	D
Alaknanda	Alaknanda					H	ISOL
Bhagirathi	Bhagirathi						
Ganga	Chhatnag to Mirzapur						
	Narora to Phaphamau						
	Phaphamau to Ballia						
	Gomti						
	Sai						
	Upper Ganga					H	ISOL
Ghaghra	Lower Ghaghra						
	Middle Ghaghra						
	Upper Ghaghra						
Ramganga	Ramganga					H	ISOL
Rapti	Rapti	H	ISOL	H	ISOL	H	ISOL
Sharda	Sharda			H	ISOL	H	ISOL

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			

IV. PROBABILISTIC FORECAST

S. No.	BASIN NAME	SUBBASIN CODE/NAME	Day-1						Day-2						Day-3					
			0 mm	0.1-10 mm	11-25 mm	26-50 mm	51-100 mm	>100 mm	0 mm	0.1-10 mm	11-25 mm	26-50 mm	51-100 mm	>100 mm	0 mm	0.1-10 mm	11-25 mm	26-50 mm	51-100 mm	>100 mm
1	Alaknanda	Alaknanda	50-75	25-50						75-100						75-100				
2	Bhagirathi	Bhagirathi	50-75	25-50						75-100						75-100				
3	Ganga	Chhatnag to Mirzapur		75-100						75-100						75-100				
		Narora to Phaphamau	50-75	25-50					50-75	25-50						75-100				
		Phaphamau to Ballia		75-100						75-100						75-100				
		Gomti	50-75	25-50					50-75	25-50						75-100				
		Sai	50-75	25-50					50-75	25-50						75-100				
		Upper Ganga	50-75	25-50					50-75	25-50						75-100				
4	Ghaghra	Lower Ghaghra		75-100						75-100						75-100				
		Middle Ghaghra		75-100						75-100						75-100				
		Upper Ghaghra	50-75	25-50						75-100						75-100				
5	Ramganga	Ramganga	50-75	25-50					50-75	25-50						75-100				
6	Rapti	Rapti		75-100						75-100						75-100				
7.	Sharda	Sharda																		

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 13 JULY, 2020



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)
Hetimpur (U.P)	124.8
Chauhanpatti (U.P)	68.6

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)	0
C.	Above Normal Flood Situation:	
	(Site (s) where water level touching or exceeding the warning Level but below Danger Level)	7
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 Forecastin g 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	Bansi	Siddharth nagar	U.P	84.9	83.9	85.88	2017	84.61	0800	R	84.50	14.07.20	0800	F
Rapti	Birdghat	Gorakhpur	U.P	74.98	73.98	77.54	1998	74.70	0800	S	74.88	14.07.20	0800	R
Rapti	Balrampur	Balrampur	U.P	104.62	103.62	105.54	2015	104.67	0800	F	104.50	14.07.20	0800	F
Ganga	Kachhla bridge	Budaun	U.P	161	162	162.79	2010	161.24	0800	F	161.25	14.07.20	0800	R

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

[illegible]

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

[illegible]

Note - No Station in this situation Dated 13.07.2020

2.6 Inflow Forecast

[illegible]

Advisory on Hydro Meteorological Situation Expected from 14-07-2020 to 15-07-2020

. As per rainfall pattern given in section III, Alaknanda, Bhagirathi, Ganga rivers are expected to receive light rain at isolated area in next 48 hrs. Ghaghra Ramganga, Sharda river basin received light rain and Rapti river basins are expected to receive Moderate to high rain at isolated places in next 48 hours. Water level at most of CWC station is expected to fall 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.

अधिशालसीअभियंता

मध्य गंगा मण्डल -1 लखनऊ

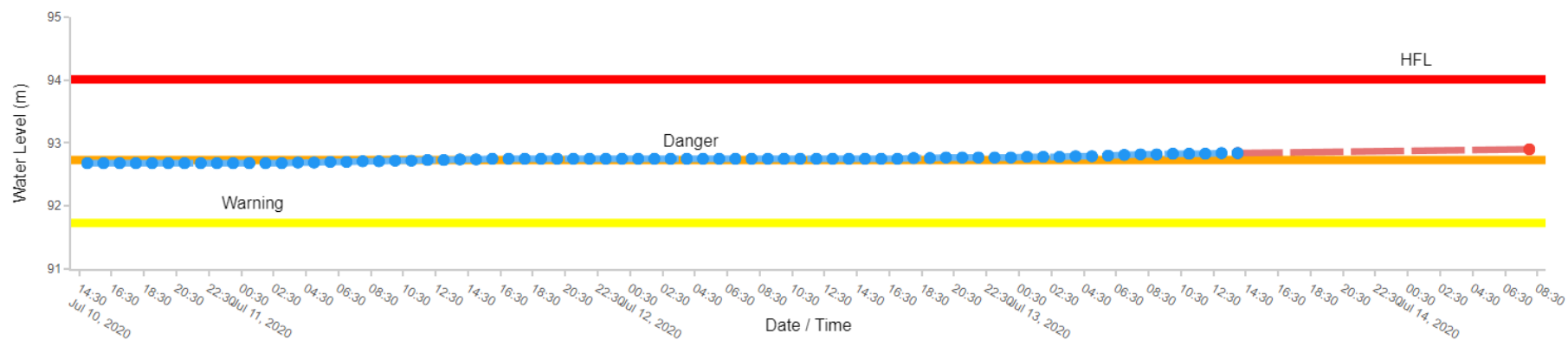


Hydrograph view of - Ayodhya



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

Forecasted Water Level Measured Water Level



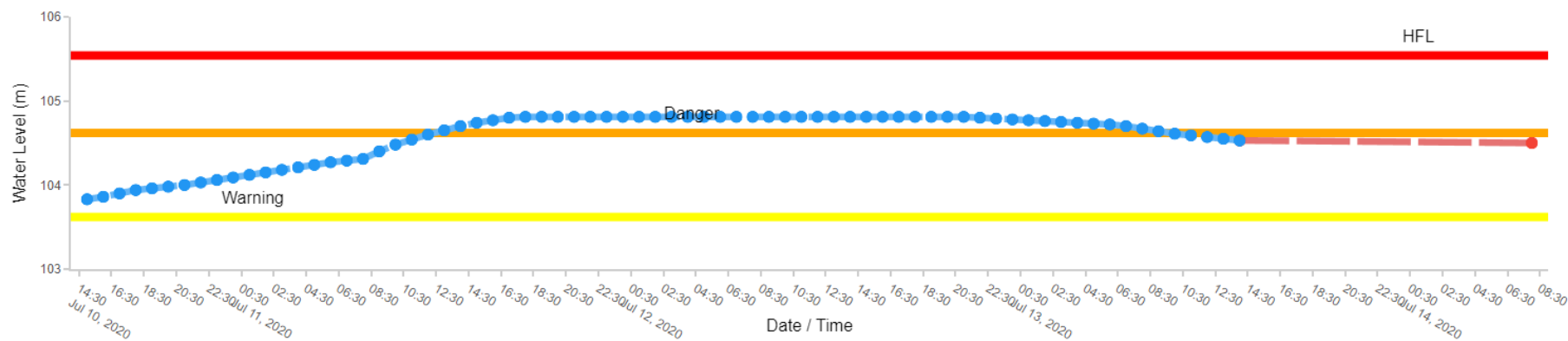


Hydrograph view of - Balrampur



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

Forecasted Water Level Measured Water Level



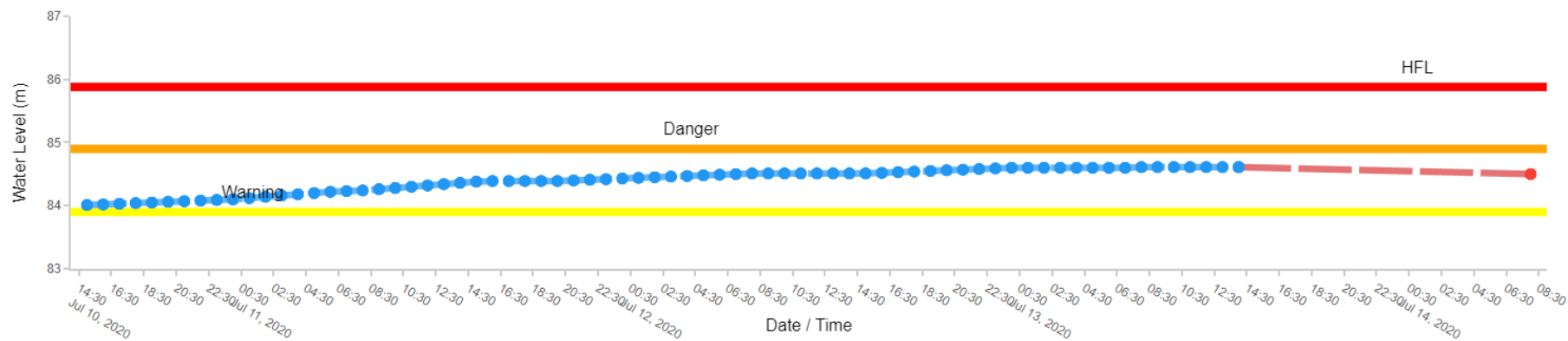


Hydrograph view of - Bansi



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

Forecasted Water Level Measured Water Level



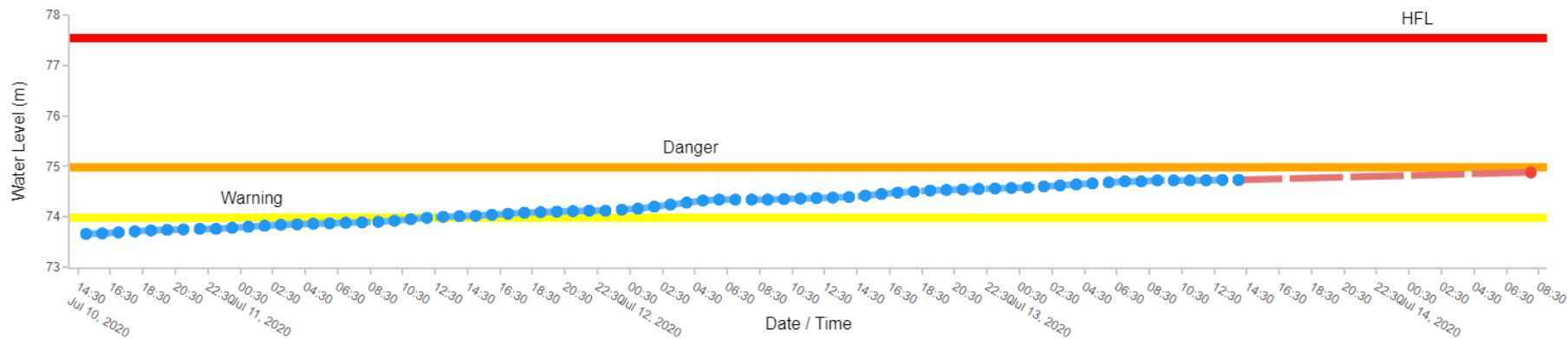


Hydrograph view of - Birdghat



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

Forecasted Water Level Measured Water Level



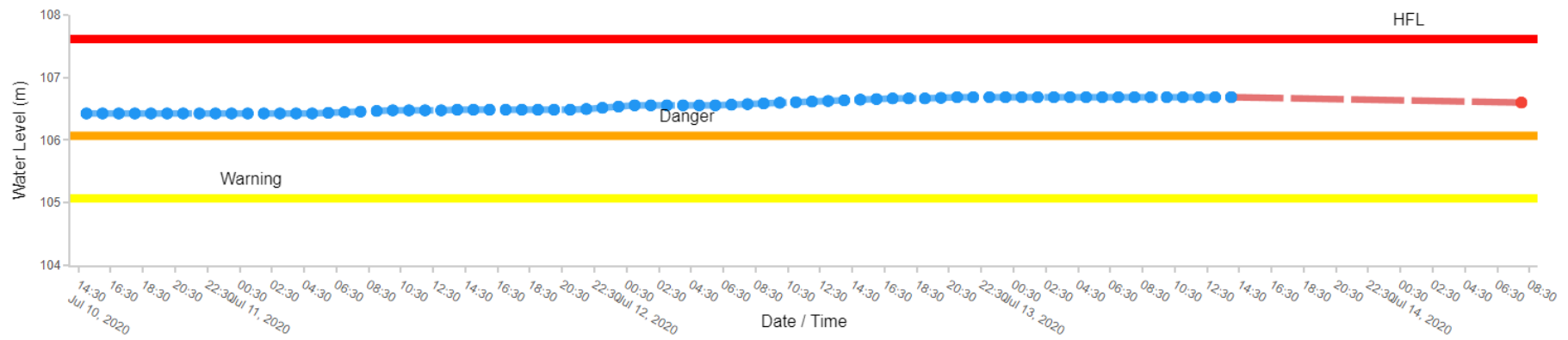


Hydrograph view of - Elginbridge



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

Forecasted Water Level Measured Water Level



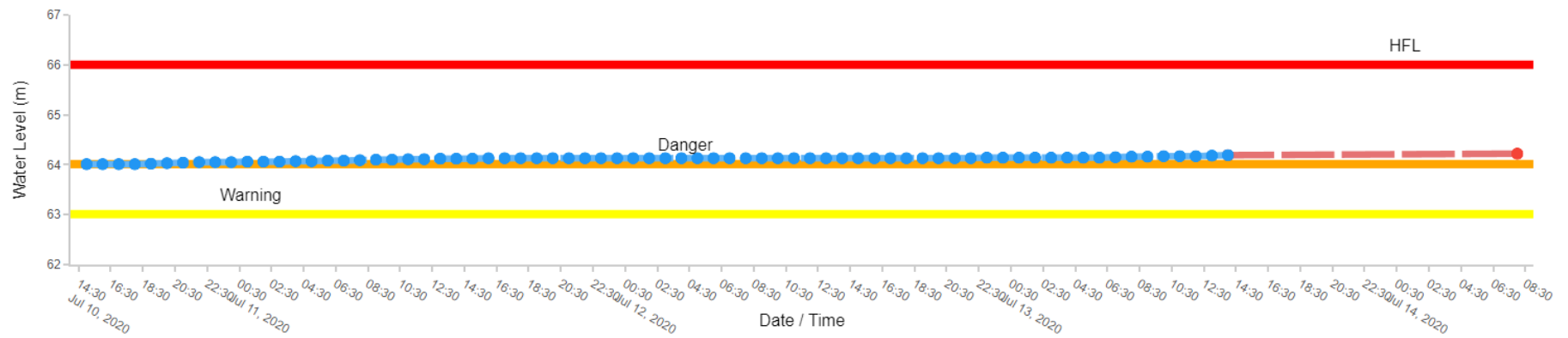


Hydrograph view of - Turtipar



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

Forecasted Water Level Measured Water Level





Hydrograph view of - Kachhlalbridge



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

Forecasted Water Level Measured Water Level

