



Central Water Commission
Upper Ganga Basin Organisation, Lucknow
Daily Flood Situation Report Cum Advisories
Date: 28 AUGUST, 2020

FSR No.67

Dated 28-08-2020 1.

Weather forecast by IMD

I. SYNOPTIC SITUATION:

- ♦ The Well Marked Low Pressure Area over north Chhattisgarh & adjoining East Madhya Pradesh and associated cyclonic circulation extending upto 7.6 km above mean level tilting southwestwards with height persists.
- ♦ Monsoon Trough at mean sea level now passes through Ganganagar, Narnaul, Shivpuri, centre of Well Marked Low Pressure Area over north Chhattisgarh & adjoining East Madhya Pradesh, Jamshedpur, Midnapore and thence southeastwards to North Bay of Bengal.

II. a) DETERMINISTIC FORECAST (QPF):

Sr. No.	BASIN NAME	SUBBASIN CODE/NAME	QPF (mm)		
			Day-1	Day-2	Day-3
1	Alaknanda	Alaknanda	11-25	11-25	0.1-10
2	Bhagirathi	Bhagirathi	0.1-10	0.1-10	0.1-10
3	Ganga	Chhatnag to Mirzapur	0.1-10	0.1-10	0.1-10
		Narora to Phaphamau	0.1-10	0.1-10	0.1-10
		Phaphamau to Ballia	0.1-10	0.1-10	0.1-10
		Gomti	0.1-10	0.1-10	0.1-10
		Sai	0.1-10	0.1-10	0.1-10
		Upper Ganga	11-25	0.1-10	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	0.1-10	0.1-10	0.1-10
5	Ramganga	Ramganga	11-25	0.1-10	0.1-10
6	Rapti	Rapti	0.1-10	0.1-10	0.1-10
7.	Sharda	Sharda	11-25	11-25	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	WS	M	WS	L	ISOL
2	Bhagirathi	Bhagirathi	M	FWS	M	FWS	L	ISOL
3	Ganga	Chhatnag to Mirzapur	M	FWS	L	ISOL	L	ISOL
		Narora to Phaphamau	M	FWS	M	SCT	L	ISOL
		Phaphamau to Ballia	L	SCT	L	ISOL	L	ISOL
		Gomti	L	SCT	L	ISOL	L	ISOL
		Sai	L	SCT	L	ISOL	L	ISOL
		Upper Ganga	M	WS	M	FWS	L	ISOL
4	Ghaghra	Lower Ghaghra	L	SCT	L	ISOL	L	ISOL
		Middle Ghaghra	L	SCT	L	ISOL	L	ISOL
		Upper Ghaghra	M	FWS	L	ISOL	L	ISOL
5	Ramganga	Ramganga	M	WS	M	SCT	L	ISOL
6	Rapti	Rapti	L	SCT	L	ISOL	L	ISOL
7.	Sharda	Sharda	M	WS	M	WS	L	ISOL

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	H	ISOL		
Bhagirathi	Bhagirathi						
Ganga	Chhatnag to Mirzapur						
	Narora to Phaphamau						
	Phaphamau to Ballia						
	Gomti						
	Sai						
	Upper Ganga	H	ISOL	H	ISOL		
Ghaghra	Lower Ghaghra						
	Middle Ghaghra						
	Upper Ghaghra	H	ISOL				
Ramganga	Ramganga	H	ISOL				
Rapti	Rapti						
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
SUF	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					
MDR	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			

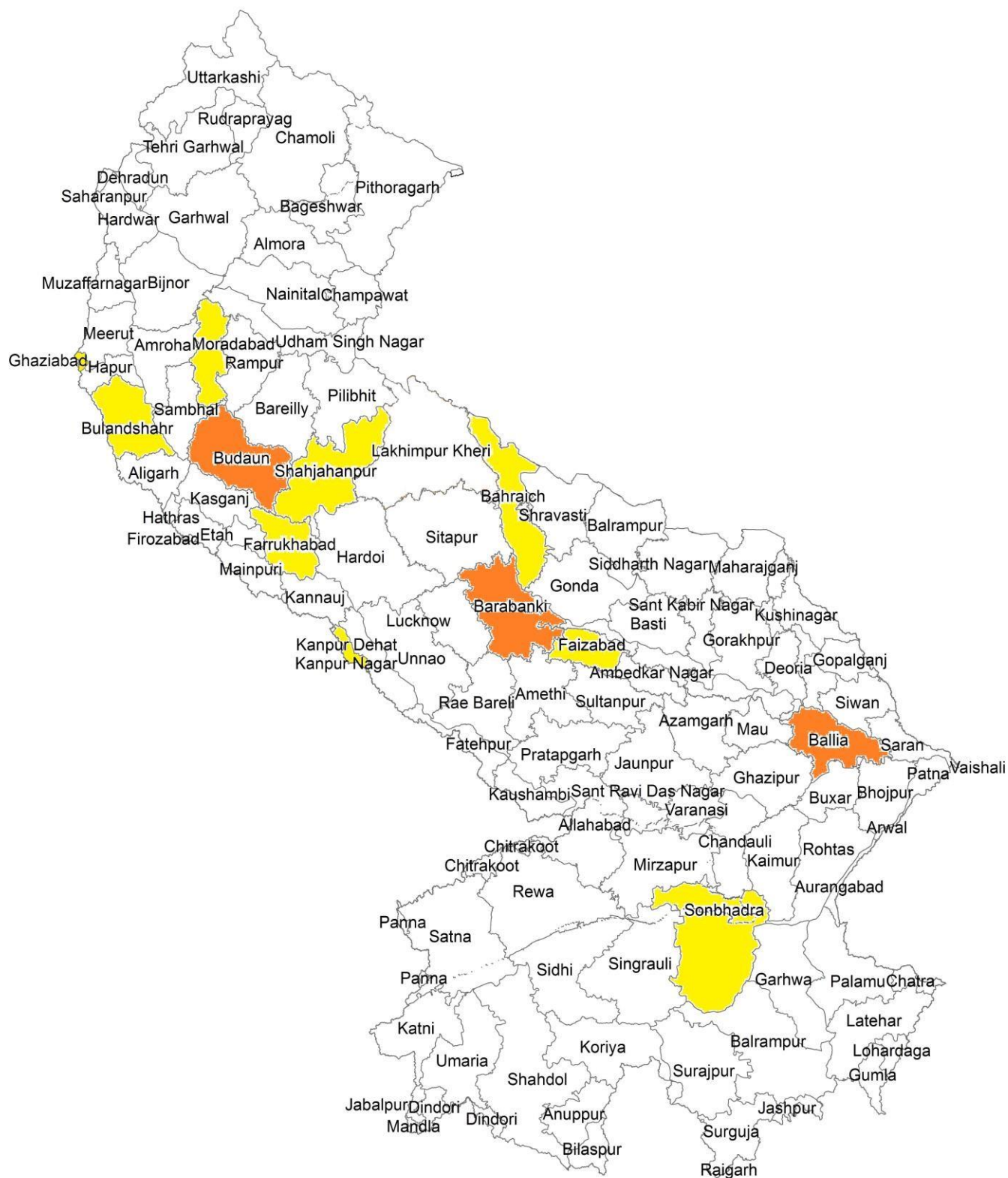
IV. PROBABILISTIC FORECAST

S. No.	BASIN NAME	SUBBASIN CODE/NAM E	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		25-50	50-75					25-50	50-75					75-100				
2	Bhagirathi	Bhagirathi		75-100						75-100						75-100				
3	Ganga	Chhatnag to Mirzapur		75-100						75-100						75-100				
		Narora to Phaphamau		75-100						75-100						75-100				
		Phaphamau to Ballia		75-100						75-100						75-100				
		Gomti		75-100						75-100						75-100				
		Sai		75-100						75-100						75-100				
		Upper Ganga		25-50	50-75					75-100						75-100				
4	Ghaghra	Lower Ghaghra		75-100						75-100						75-100				
		Middle Ghaghra		75-100						75-100						75-100				
		Upper Ghaghra		75-100						75-100						75-100				
5	Ramganga	Ramganga		25-50	50-75					75-100						75-100				
6	Rapti	Rapti		75-100						75-100						75-100				
7.	Sharda	Sharda		25-50	50-75					25-50	50-75					75-100				

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 28 AUGUST, 2020



1. River Ghagra at Ayodhya in FAIZABAD district of Uttar Pradesh continues to flow in SEVERE SITUATION at 21:00 hrs today. At 21:00 hrs, it was flowing at a level of 92.82 m with Rising trend which is 0.09 m above its Danger Level of 92.73 m and 1.19 m below its previous HFL of 94.01 m (2009-10-11).
2. River Sarda at Paliakalan in KHERI district of Uttar Pradesh continues to flow in SEVERE SITUATION at 21:00 hrs today. At 21:00 hrs, it was flowing at a level of 154.27 m with Steady trend which is 0.17 m above its Danger Level of 154.1 m and 1.05 m below its previous HFL of 155.32 m (2014-07-21).
3. River Ghagra at Elginbridge in BARABANKI district of Uttar Pradesh continues to flow in SEVERE SITUATION at 21:00 hrs today. At 21:00 hrs, it was flowing at a level of 106.266 m with Steady trend which is 0.20 m above its Danger Level of 106.07 m and 1.35 m below its previous HFL of 107.616 m (2014-08-18).
4. River Ganga at Kachhlabridge in BUDAUN district of Uttar Pradesh continues to flow in SEVERE SITUATION at 21:00 hrs today. At 21:00 hrs, it was flowing at a level of 162.44 m with Steady trend which is 0.44 m above its Danger Level of 162.0 m and 0.35 m below its previous HFL of 162.79 m (2010-09-24).
5. River Ghagra at Turtipar in BALLIA district of Uttar Pradesh continues to flow in SEVERE SITUATION at 21:00 hrs today. At 21:00 hrs, it was flowing at a level of 65.25 m with Steady trend which is 1.24 m above its Danger Level of 64.01 m and 0.75 m below its previous HFL of 66.0 m (1998-08-28).

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)
Mandala (R.J)	77.8
Bareilly (U.P)	105.8

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)	04
C.	Above Normal Flood Situation:	
	(Site (s) where water level touching or exceeding the warning Level but below Danger Level)	06
Total Numbers of Sites above Warning Level (A+B+C)		10
INFLOW FORECAST		
Number of Sites for which inflow forecasts issued:		03
(Where inflow are equal or exceed the specified Threshold Limit for a particular reservoir/ barrage)		03

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
Ganga	Garhmukteshwar	Ghaziabad	U.P	199.33	198.33	199.9	2010	198.60	0800	S	198.50	29.08.20	0800	F
Ganga	Fatehgarh	Farukhabad	U.P	137.6	136.60	138.14	2010	137.46	0800	F	137.50	29.08.20	0800	F
Ganga	Ankinghat	Kanpur Dehat	U.P	124.0	123.0	124.49	2010	123.27	0800	R	123.20	29.08.20	0800	F
Ganga	Ballia	Ballia	U.P	57.615	56.615	60.39	2016	56.88	0800	R	57.17	29.08.20	0800	R
Ram Ganga	Moradabad	Moradabad	U.P	190.60	189.60	192.88	2010	190.05	0800	F	189.90	29.08.20	2000	F
Ram Ganga	Dabri	Shahjahanpur	U.P	137.30	136.30	139.695	1983	136.40	0800	R	136.50	29.08.20	0800	R

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	Turtipar	Ballia	U.P	64.01	63.01	66.00	1998	64.25	0800	S	64.25	29.08.20	0800	S
Ganga	Kachhla bridge	Budaun	U.P	161.00	162.00	162.79	2010	162.37	0800	R	162.50	29.08.20	0800	R
Ghaghra	Elgin Bridge	Barabanki	U.P	106.07	105.07	107.616	2014	106.176	0800	R	106.30	28.08.20	0800	R
Ghaghra	Ayodhya	Faizabad	U.P	92.73	91.73	94.01	2009	92.73	0800	S	92.65	29.08.20	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 is in this situation Dated 28.08.2020

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
Sharda	Narora Barrage	Bulandshahr	U.P					2988.60	0800	S	2832	29.08.20	0800	R
Rihand	Rihand Dam	Sonbhadra	U.P.		265.18				0800	R	1430	29.08.20	0800	R
Ghaghra	Katerniaghat	Bahraich	U.P.		138			3759.231	0800	R	3750.00	29.08. 20	0800	R

Advisory on Hydro Meteorological Situation Expected from 29-08-2020 to 30-08-2020

As per rainfall pattern given in section II, Alaknanda, Bhagirathi & Ganga rivers are expected to receive light to moderate rain at scattered areas in next 48 hrs. Ghaghra, Ramganga, Sharda & Rapti river basins are expected to receive light to moderate rain at scattered to widespread areas in next 48 hours. Water level at most of CWC stations are expected to raise in next 48 hours. Level forecast will be issued if the level of river at stations are likely to touch or cross warning level. From the given QPF, Above normal flood like situation is expected in Ganga, Ghaghra, Rapti & Sharda river basins.

अधिशसीअधियंता मध्य गंगा

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