



Central Water Commission
Upper Ganga Basin Organisation, Lucknow
Daily Flood Situation Report Cum Advisories
Date: 25 SEPTEMBER, 2020

FSR No.95

Dated 25-09-2020

1. Weather forecast by IMD

I. SYNOPTIC SITUATION:

- ♦ Condition are likely to become favourable for withdrawal of Southwest Monsoon from West Rajasthan and adjoining areas around 28th Sept, 2020.
- ♦ The Low Pressure Area over East Uttar Pradesh & adjoining Bihar now lies over Bihar & adjoining East Uttar-Pradesh and the associated cyclonic circulation extends upto 5.8 km above mean sea level. It is likely to move eastsoutheastwards during next 24 hours.
- ♦ The monsoon trough at mean sea level now passes through Amritsar, Karnal, Lucknow, center of Low Pressure Area over Bihar & adjoining East Uttar Pradesh, Malda and thence eastsoutheastwards to Nagaland across Assam & Meghalaya.
- ♦ yesterday's trough now runs from the cyclonic circulation associated with Low Pressure Area over Bihar & adjoining East Uttar Pradesh to interior Odisha across Jharkhand between 1.5 km & 5.8 km above mean sea level.
- ♦ The cyclonic circulation over Northeast Rajasthan extending upto 0.9 km above mean sea level has become less-marked..

II. a) DETERMINISTIC FORECAST (QPF):

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

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					
MDry	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

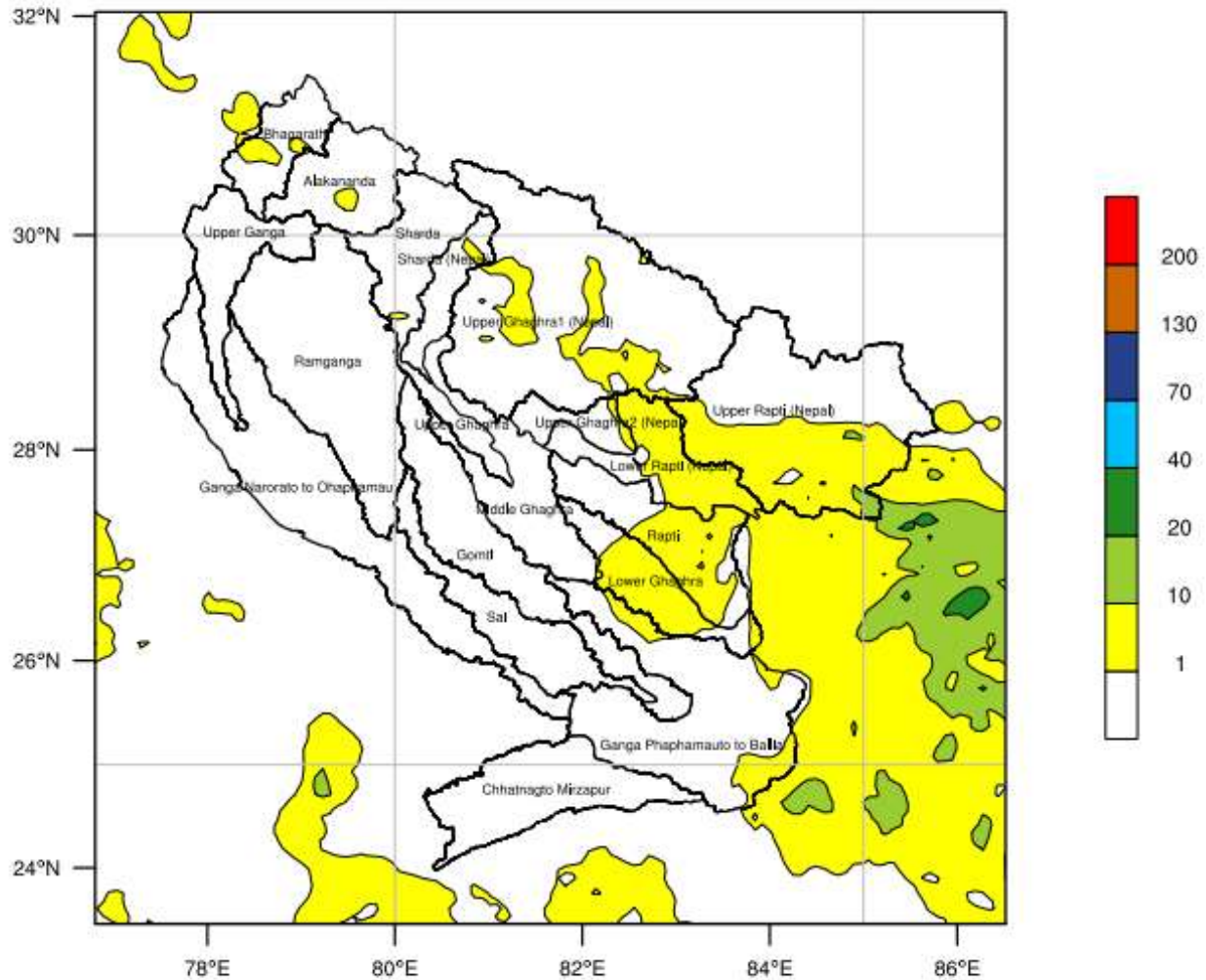
S. No.	BASIN NAME	SUBBASIN CODE/NAME	Day-1						Day-2						Day-3						
			0 mm	0.1-10 mm	11-25 mm	26-50 mm	51-100 mm	>100 mm	0 mm	0.1-10 mm	11-25 mm	26-50 mm	51-100 mm	>100 mm	0 mm	0.1-10 mm	11-25 mm	26-50 mm	51-100 mm	>100 mm	
1	Alaknanda	Alaknanda		75-100						75-100					25-50	50-75					
2	Bhagirathi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

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100
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Init: 2020-09-25_00:00:00
Valid: 2020-09-27_03:00:00

FLOOD MET OFFICE LUCKNOW

IMD WRF Rainfall (mm) Forecast(48hr)

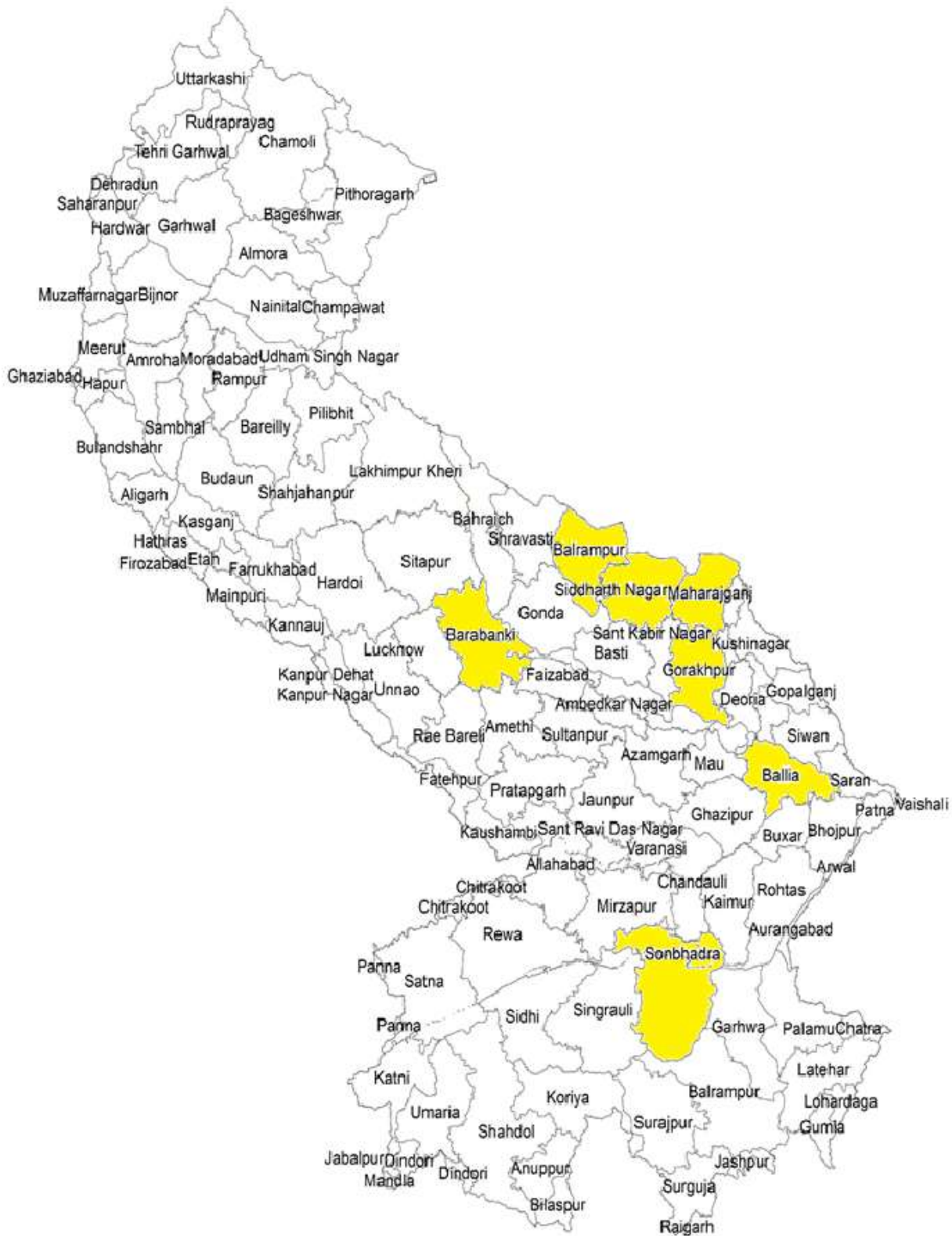


Sub basin wise Average Rainfall Estimation

Alakananda =	0 mm	Rapti =	3 mm
Bhagirathi =	0 mm	Sai =	0 mm
Chhatnagto Mirzapur =	0 mm	Sharda =	0 mm
Ganga Narorato Ohaphamau =	0 mm	Sharda (Nepal) =	0 mm
Ganga Phaphamauto Balia =	0 mm	Upper Ganga =	0 mm
Gomti =	0 mm	Upper Ghaghra =	0 mm
Lower Ghaghara =	2 mm	Upper Ghaghra1 (Nepal) =	0 mm
Lower Rapti (Nepal) =	3 mm	Upper Ghaghra2 (Nepal) =	0 mm
Middle Ghaghara =	0 mm	Upper Rapti (Nepal) =	2 mm

2. Summary of flood situation as per CWC flood forecasting network

Flood Situation on 24 SEPTEMBER, 2020



2.1 Rainfall Situation

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

Name of Place (State)	Rainfall (in mm)
Gajipur (U.P)	60
Ayodhya (U.P)	100
Ghari ghat	85.8
Madhwa pur	62.8
Bhiga	70
Balrampur	53.0
Ayodhya (U.P)	77.0
Turtipar (U.P)	83.4
Bansi (U.P)	104.6
Regauli (U.P)	82
Bird Ghat (U.P)	75.4
Kakrahi (U.P)	115.6
Uskabazar (U.P)	116.2
Trimohinighat (U.P)	87.2
Maniram (U.P)	116.0
Chandradeepghat (U.P)	235
Dumrighat	88.0
Basti (U.P)	290
Hetimpur (U.P)	121.4
Salempur (U.P)	98.2
Gola Bazar (U.P)	172.8
Parsohanghat (U.P)	134.4
Chauhaanpatti (U.P)	132.2
Thoothibari (U.P)	72.2
Khadda	116.
Valmiki Nagar (B.R)	229.2

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)	05
Total Numbers of Sites above Warning Level (A+B+C)		05
INFLOW FORECAST		
Number of Sites for which inflow forecasts issued:		05
(Where inflow are equal or exceed the specified Threshold Limit for a particular reservoir/ barrage)		01

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
Ghaghara	Turtipar	Balia	U.P	64.01	63.01	66.00	1998	63.88	0800	R	64.00	26.09.20	0800	R
Ghaghara	Elgibridge	Barabanki	U.P	106.07	105.07	107.61	2014	105.046	0800	R	105.40	26.09.20	0800	R
Rapti	Balrampur	Balrampur	U.P	104.62	103.62	105.54	2017	103.92	0800	R	104.25	26.09.20	0800	R
Rapti	Bansi	Siddharth Nagar	U.P	84.90	83.90	85.88	2017	83.75	0800	R	84.20	26.09.20	0800	R
Rapti	Birdghat	Siddharth Nagar	U.P.	74.98	73.98	77.54	1998	74.30	0800	R	74.90	26.09.20	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

Note - No Station is in this situation Dated 25.09.2020

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 25.09.2020

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
Rihand	Rihand Dam	Sonbhadra	U.P		265.18									
Sone	Bansagar Dam	Shahdol	M.P		341.64				0800	R	1183.00	26.09.20	0800	R

Advisory on Hydro Meteorological Situation Expected from 26-09-2020 to 27-09-2020

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 areas in next 48 hrs. Ghaghra, Ramganga, Sharda & Rapti river basins are expected to receive very light to light rain at isolated 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, Normal flood situation is expected in Ganga, Ghaghra, Rapti & Sharda river basins.

अधिशालीअभियंता

मध्य गंगा मण्डल -1 लखनऊ