



Central Water Commission
Upper Ganga Basin Organisation, Lucknow
Daily Flood Situation Report Cum Advisories
Date: 23 June, 2020

FSR No. 01

Dated 23-06-2020

Flood Situation Report cum Advisories of Rivers under Tapi Division, CWC, Surat

1. Weather forecast by IMD

I. SYNOPTIC SITUATION:

- The Northern Limit of Monsoon (NLM) continues to pass through Lat. 25°N/Long. 68°E, Ahmedabad, Shajapur, Fatehpur at Lat. 29°N/Long. 80°E, Rudraprayag and Lat. 32°N/Long. 79°E.
- Southwest Monsoon has further advanced into remaining parts of North Arabian Sea and Kutch, some more parts of Gujarat region, Madhya Pradesh and Uttar Pradesh and some parts of Uttarakhand and conditions are becoming favourable for further advance of southwest monsoon into remaining parts of Uttar Pradesh during the next 48 hours.
- The trough at mean sea level from north Punjab to northwest Bay of Bengal now runs from northwest Rajasthan to northwest Bay of Bengal across northeast Rajasthan, north Madhya Pradesh, northern parts of Chhattisgarh, southern parts of Jharkhand and northern parts of Odisha and extends upto 1.5 km above mean sea level.
- A cyclonic circulation lies over central Pakistan & neighbourhood and extends upto 1.5 km above mean sea level.

II. FORECAST:

S. No.	BASIN NAME	SUBBASIN CODE/NAME	QPF Range in mm			INTENSITY & SPATIAL DISTRIBUTION					
			Day-1	Day-2	Day-3	Day-1		Day-2		Day-3	
						I	D	I	D	I	D
1	Alaknanda	Alaknanda	0.1-10	0.1-10	11-25	L	SCT	M	FWS	M	WS
2	Bhagirathi	Bhagirathi	0.1-10	0.1-10	0.1-10	L	SCT	M	FWS	M	WS
3	Ganga	Chhatnag to Mirzapur	11-25	11-25	26-50	M	WS	M	WS	M	WS
		Narora to Phaphamau	0.1-10	0.1-10	11-25	L	SCT	L	FWS	M	FWS
		Phaphamau to Ballia	0.1-10	11-25	26-50	M	WS	M	WS	M	WS
		Gomti	0.1-10	11-25	0.1-10	M	WS	M	WS	M	WS
		Sai	11-25	11-25	0.1-10	M	WS	M	WS	M	WS

		Upper Ganga	0.1-10	11-25	11-25	L	SCT	M	WS	M	WS
4	Ghaghra	Lower Ghaghra	11-25	26-50	11-25	M	WS	M	WS	M	WS
		Middle Ghaghra	0.1-10	0.1-10	11-25	M	WS	M	WS	M	WS
		Upper Ghaghra	0.1-10	11-25	11-25	L	WS	M	WS	M	WS
5	Ramganga	Ramganga	0.1-10	11-25	11-25	L	SCT	L	WS	M	WS
6	Rapti	Rapti	11-25	11-25	26-50	M	WS	M	WS	M	WS
7	Sharda	Sharda	11-25	26-50	11-25	M	WS	M	WS	M	WS

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			H	ISOL	H	ISOL
Ganga	Chhatnag to Mirzapur			H	SCT	H	SCT
	Narora to Phaphamau						
	Phaphamau to Ballia	H	ISOL	H	ISOL	H	ISOL
	Gomti			H	ISOL	H	ISOL
	Sai			H	ISOL	H	ISOL
	Upper Ganga			H	SCT	H	ISOL
Ghaghra	Lower Ghaghra	H	ISOL	H	ISOL	H	SCT
	Middle Ghaghra	H	ISOL	H	ISOL	H	SCT
	Upper Ghaghra	H	ISOL	H	ISOL	H	ISOL
Ramganga	Ramganga			H	SCT	H	ISOL
Rapti	Rapti	H	ISOL	H	SCT	H	SCT
Sharda	Sharda	H	ISOL	H	SCT	H	SCT

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						50-75	5-25					50-75	25-50			
2	Bhagirathi	Bhagirathi		75-100						50-75	5-25					50-75	25-50			
3	Ganga	Chhatnag to Mirzapur		50-75	50-75					25-50	50-75	5-25				25-50	50-75	5-25		
		Narora to Phaphamau		75-100						75-100						50-75	25-50			
		Phaphamau to Ballia		50-75	5-25					25-50	25-50					25-50	25-50	5-25		
		Gomti		50-75	5-25					25-50	25-50					25-50	25-50	5-25		
		Sai		50-75	5-25					25-50	25-50					25-50	25-50	5-25		
		Upper Ganga		75-100						25-50	50-75	5-25				25-50	50-75	5-25		
4	Ghaghra	Lower Ghaghra		25-50	50-75	5-25				25-50	50-75	25-50				25-50	50-75	25-50		
		Middle Ghaghra		25-50	50-75	5-25				25-50	50-75	25-50				25-50	50-75	25-50		
		Upper Ghaghra		25-50	50-75	5-25				25-50	50-75	25-50				25-50	50-75	25-50		
5	Ramganga	Ramganga		75-100						25-50	50-75	5-25				25-50	50-75	5-25		
6	Rapti	Rapti		25-50	50-75	5-25				25-50	50-75	25-50				25-50	50-75	25-50		
7.	Sharda	Sharda		25-50	50-75	5-25				25-50	50-75	25-50				25-50	50-75	25-50		

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

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)
Nil	-

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)	3
Total Numbers of Sites above Warning Level (A+B+C)		3
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
Ganga	Kachla bridge	Badaun	U.P.	162.00	161.00	162.79	2010	161.66	0800	C	161.55	24.06. 20	0800	F
Ghaghra	Ayodhya	Faizabad	U.P.	92.73	91.73	94.01	2009	91.99	0800	R	92.15	24.06.20	0800	F
Ghaghra	Elgin Bridge	Barabanki	U.P.	106.07	105.07	107.616	2014	105.54	0800	R	105.62	24.06.20	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

Note - No Station in this situation Dated 23.06.2020.

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 in this situation Dated 23.06.2020

अधिशाली अभियंता

तापीमण्डल, सूरत

Advisory on Hydro Meteorological Situation Expected from 24-06-2020 to 25-06-2020

As per rainfall pattern given in section II, Alaknanda, Bhagirathi, Ganga, Ghaghra Ramganga, Rapti and Sharda river basins are expected to receive light to moderate rainfall at isolated to scattered places in next 48 hours.

Water level at most of CWC station is expected to rise slightly in next 48 hours. From the given QPF, above normal flood like situation is expected in all river basins.

Level forecast will be issued if the level of river at stations is likely to touch or cross warning level.

LEGEND:.

Spatial Distribution of Rainfall		
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