



Central Water Commission
Daily Flood Situation Report cum Advisories
04-07-2019

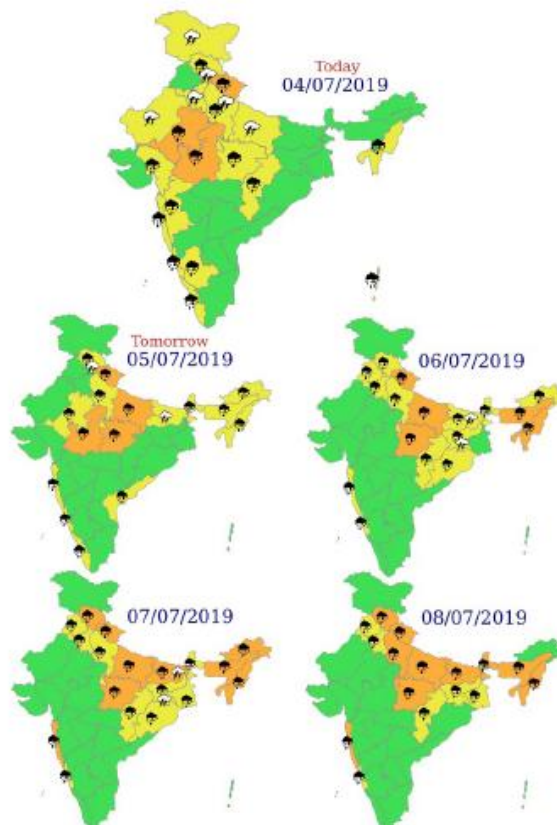
1.0 IMD information

1.1 Rainfall Situation

1.1.1 Amount of rainfall recorded at 0830 hours IST of today (5 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Damoh (MP)	18
Birha (MP)	15
Pratapgarh (Rajasthan), Kolaras (MP)	14 each
Pachawali (MP)	11
Chotisadri & Loharia (Rajasthan), Ghumarwin (HP), Sailana (MP)	10 each
Sagar & Bijrauni (MP), Kottigehara (Karnataka), Dhariawad & Paderdibadi (Rajasthan)	9 each
Ratlam, Barood, Mukki, Manot & Rajegaon (MP), Shahabad & Lalpura (Rajasthan), Haripur & Rishikesh (Uttarakhand), Lalitpur (UP)	8 each
Nahan (HP), Kota (Rajasthan), Chandpur (UP), Nandkeshari & Devprayag (Uttarakhand), Belkhedi (MP)	7 each
Najibabad (UP), Guna, Umari, Mandla & Mohgaon (MP), Deesa (Gujarat), Bhopalsagar, Bigod, Sarangpur, Kotta Barrage, RPS Dam, Swaroopganj, Somkamlaamba Dam, Mataji, Anas PH-II, Jotasan (Rajasthan), Koyna Dam (Maharashtra)	6 each
Lunglei (Mizoram), Kollur, Gersoppa, Kadra, Manchikeri, Karkala, Ponnampet, Linganamakki (Karnataka), Shimla (HP), Dehradun (Uttarakhand), Jodhpur, Gambhiri Dam & Jawahar Dam (Rajasthan), Pachmari, Betul & Tikamgarh (MP), Harnai (Maharashtra), Amreli (Gujarat), Kochi (Kerala), Kohima & Kiphire (Nagaland), Dharamtaul, Amraghat, Dholai, Tuting (Assam)	5 each

1.1.2 Rainfall forecast for next 5 days issued on 4th July, 2019 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situation

2.1.1 Summary of Flood Situation as per CWC Flood forecasting network

PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
A	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	1
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	6
Total number of sites above Warning Level (A+B+C)		7
PART - II: INFLOW FORECAST		
Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage)		3

2.1.2 Severe Flood

River Station	District State	Warning Level (m)	Danger Level (m)	Highest flood Level (m) Date	Trend	Forecasted Level
					Time	Trend Date
Bagmati	Sitamarhi	52.73	53.73	58.15	53.75	53.42 Steady
Runisaidpur	Bihar			2017-08-14	Rising 15:00	5/7/2019 06:00:00

2.1.3 Above Normal

Bagmati	Sitamarhi	69.1	70.1	73.0	69.38	69.38 Steady
Dheng Bridge	Bihar			2017-08-13	Steady 15:00	5/7/2019 06:00:00
Brahmaputra	Dhubri	27.62	28.62	30.36	28.13	28.06 Falling
Dhubri	Assam			1988-08-28	Falling 14:00	4/7/2019 21:00:00
Jiabharali	Sonitpur	76.0	77.0	78.5	76.77	-----
NT Road Crossing Jia-Bharali	Assam			2007-07-26	Steady 14:00	-----
Brahmaputra	Jorhat	84.04	85.04	87.37	84.93	84.94 Steady
Neamatighat	Assam			1991-07-11	Falling 14:00	5/7/2019 09:00:00
Dhansiri (South)	Golaghat	76.42	77.42	80.16	76.65	76.7 Rising
Numaligarh	Assam			2018-08-03	Rising 14:00	4/7/2019 16:00:00
Dikhow	Sibsagar	91.4	92.4	94.23	91.49	-----
Sivasagar	Assam			2018-08-01	Falling 14:00	-----

2.1.4 Reservoir

Name of River	Flood Forecasting Site	District	State	FRL (m)	MWL (m)	Actual Level			Forecast			
						Level (m)	Time	Trend	Average Inflow (Cumec)	Trend	Date	Time
Bhadra	Bhadra Dam	Chikmagalur	Karnataka	657.75	657.75	638.90955	08:00	Rising	110.0	Steady	5/7/2019	08:00:00
Hemavathi	Hemavathi Dam	Hassan	Karnataka	890.63		874.2304	08:00	Rising	135.0	Rising	5/7/2019	08:00:00
Tunga	Upper Tunga Prjct	Shimoga	Karnataka	588.24	588.24	588.2396	08:00	Steady	170.0	Steady	5/7/2019	08:00:00

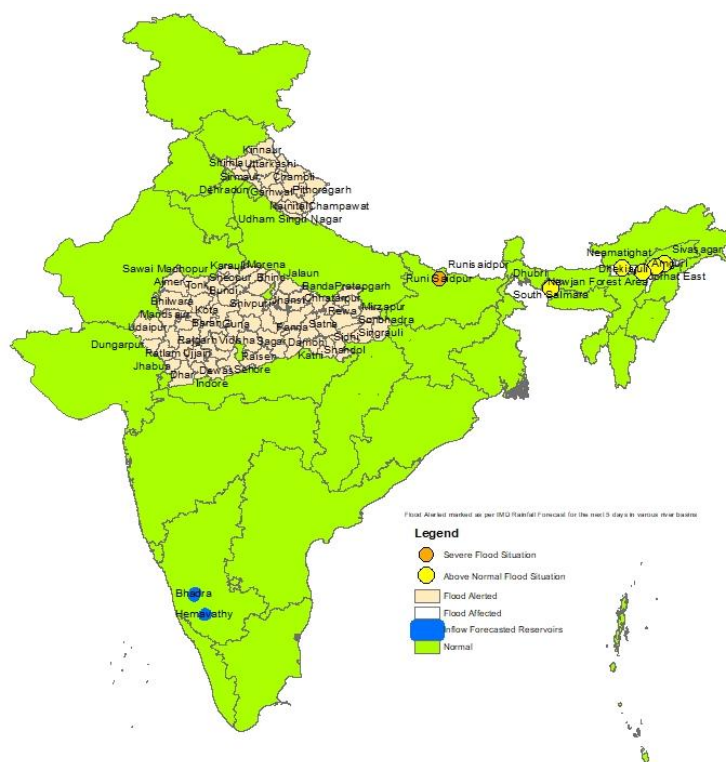
2.2 Flood Situation as per actual/ forecasted rainfall situation

IMD has forecasted heavy to very heavy rainfall in UP, MP, Uttarakhand & HP between 6th to 9th July 2019.

Due to this warning, there is likelihood of rise in Water Levels in various river basins and the likely impact of these rains as inferred from rainfall runoff model run for 3 days advisory forecast is detailed as under:

Basin/Region	Likely Impact
Narmada Basin	In view of the rainfall forecast in MP during the next 3 days, there is likelihood of rapid rise in Water Levels in Narmada and its tributaries. Since most of the dams have very low storage presently, this may help in increasing the storage in dams such as Barna, Tawa, Indirasagar, Omkareshwar and Sardar Sarovar Dams, however, it will still be much below FRL.
Tapi Basin	In view of the rainfall forecast in MP and Vidarbha during the next 3 days, there is likelihood of rapid rise in Water Levels in Tapi and its tributaries. Since most of the dams have very low storage presently, this may help in increasing the storage in dams such as Hatnur and Ukai Dams, however, it will still be much below FRL.
Ganga Basin	In view of the rainfall forecast in MP and UP, Uttarakhand, Himachal Pradesh, Haryana, Chandigarh & Delhi and East Rajasthan for the next 3 to 5 days, there is likelihood of rapid rise in Water Levels in Ganga and its tributaries such as Ken, Betwa, Chambal, Yamuna, Tons and Sone. Necessary precautionary measures have to be taken. However, the dams in Ken, Betwa and Sone rivers are very low, this rainfall may help in increasing the storage level in the projects in these basins. However, they will still be far below FRL. Some of the small dams in Hilly regions of Uttarakhand, HP, including small Hydro-electric power projects may get heavy inflows which may be released downstream. There is likelihood of flash floods in Hilly Catchments of Yamuna, Ganga, Sutlej also.

Map showing Flood Situation on 04.07.2019 and the Districts Alerted for next 5 days



Flood Alerted Districts for next 5 days include:

Madhya Pradesh:

Districts covering rivers Narmada, Mahe, Ken, Betwa, Sone, Chambal

Uttar Pradesh:

Districts covering rivers Yamuna, Betwa, Sone, Ganga

Uttarakhand:

Districts covering Sub-Basins of Bhagirathi, Alaknanda, Yamuna

HP:

Districts Covering Sub-Basins of Yamuna and Sutlej.