



Central Water Commission
Daily Flood Situation Report cum Advisories
05-07-2019

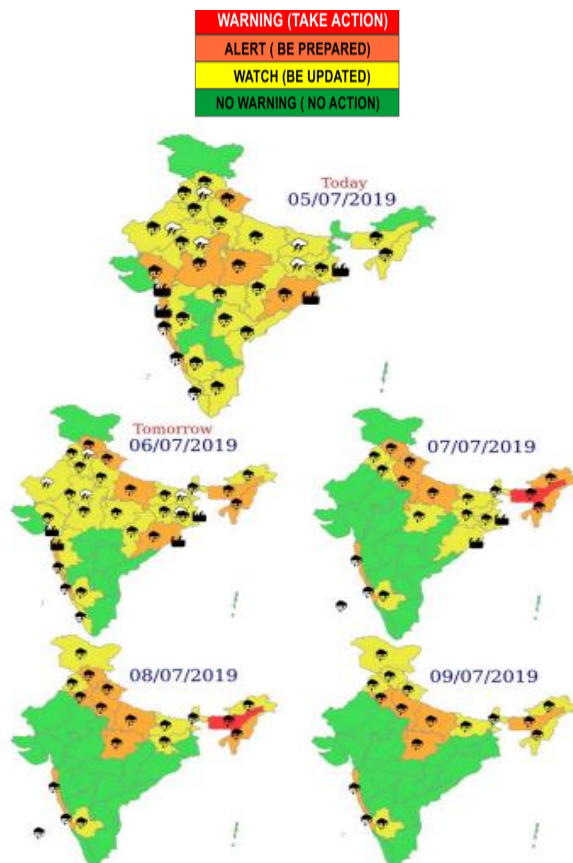
1.0 IMD information

1.1 Rainfall Situation

1.1.1 Amount of rainfall recorded at 0830 hours IST of today (6 cm or more) as per IMD

Name of Place (State)	Rainfall (in cm)
Mahi Dam (Rajasthan), Kottigera (Karnataka), Khopoli (Maharashtra)	15 each
Khandwa (MP), Walwan (Maharashtra)	14 each
Ukai Dam (Gujarat), Sadhaura (Haryana), Bhungra (Rajasthan), Kankavli (Maharashtra)	13 each
Nayanagar (Rajasthan), Gaganbawada (Maharashtra)	12 each
Mandla (MP), Karwar (Karnataka), Jajadhari (Haryana), Agra (UP), Mangliawas, Bayana & Khandar (Rajasthan), Gaganbawada (Maharashtra)	11 each
Mataji (MP), Dharchula (Uttarakhand), Pushkar (Rajasthan)	10 each
Santeguli (Karnataka), North Lakhimpur (Assam), Gadat (Gujarat), Siddapur (Karnataka), Bilaspur (Haryana), Kirawaili (UP), Ajmer (Rajasthan), Valpoi, Sanguem (Goa), Poladpur (Maharashtra)	9 each
Ratlam, Mohgaon & Kogaon (MP), Tal (MP), Edamalayar Dam (Kerala), Durvesh, Dawdi, Quant & Ajra (Maharashtra), Kollur, Gerosoppa (Karnataka), Valprai (TN), Kalanaur (UP), Gurugram, Tajewala (Haryana), Partapgarh (Rajasthan)	8 each
Dhariawad & Didwana (Rajasthan), Borwa (MP), Amraghat (Assam), Neamatighat (Assam), Shirgaon, Radhanagri, Chiplun & Chandgad (Maharashtra), Kadra, Manchikeri, Hosanagar & Kammaradi (Karnataka), Salebhata (Odisha), Hathnikund & Naraingarh (Haryana), Nakur (UP), Dhanera & Bodeli (Gujarat)	7 each
Pali & Paderbadi (Rajasthan), Chouldowaghat (Assam), Harnai, Dengerwadi Ozerkheda, Taloda & Jambughoda (Maharashtra), Cincona, Kottaram (TN), Palakkad, Vytiri, Chalakudi (Kerala), Marshanghai (Odisha), Dharamshala (HP), Phangota (Punjab), Indri, Dadupur & Mustafabad (Haryana), Ponda (Goa)	6 each

1.1.2 Rainfall forecast for next 5 days issued on 5th 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)		4

2.1.2 Severe Flood Situation

River	District	Warning Level (m)	Danger Level (m)	Highest flood Level (m)	Actual level	Forecasted Level
Station	State			Date	Trend Time	Trend Date
Bagmati	Sitamarhi	52.73	53.73	58.15	54.0	54.14
Runisaipur	Bihar			2017-08-14	Steady 13:00	Steady 6/7/2019 06:00:00

2.1.3 Above Normal

Bagmati	Sitamarhi	69.1	70.1	73.0	69.34	69.34
Dheng Bridge	Bihar			2017-08-13	Steady 13:00	Steady 6/7/2019 06:00:00
Beki	Barpeta	44.1	45.1	46.2	44.41	44.3
Beki Road bridge	Assam			2000-08-04	Rising 14:00	Rising 5/7/2019 18:00:00
Brahmaputra	Dhubri	27.62	28.62	30.36	27.89	27.86
Dhubri	Assam			1988-08-28	Falling 14:00	Falling 5/7/2019 21:00:00
Jiabharali	Sonitpur	76.0	77.0	78.5	76.93	76.94
NT Road Crossing Jia-Bharali	Assam			2007-07-26	Rising 14:00	Steady 5/7/2019 15:00:00
Brahmaputra	Jorhat	84.04	85.04	87.37	84.88	84.86
Neamatighat	Assam			1991-07-11	Steady 14:00	Steady 6/7/2019 09:00:00
Dhansiri (South)	Golaghat	76.42	77.42	80.16	76.97	77.0
Numaligarh	Assam			2018-08-03	Rising 14:00	Rising 5/7/2019 16:00:00

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	639.11383	08:00	Rising	250.0	Rising	6/7/2019	08:00:00
Hemavathi	Hemavathi Dam	Hassan	Karnataka	890.63		874.5169	08:00	Rising	145.0	Rising	6/7/2019	08:00:00
Tunga	Upper Tunga Project	Shimoga	Karnataka	588.24	588.24	588.2396	08:00	Steady	325.0	Rising	6/7/2019	08:00:00
Chambal	Gandhisagar Dam	Mandsaur	Madhya Pradesh	399.9	401.0	381.31	08:00	Rising	1597.35	Rising	6/7/2019	08:30:00

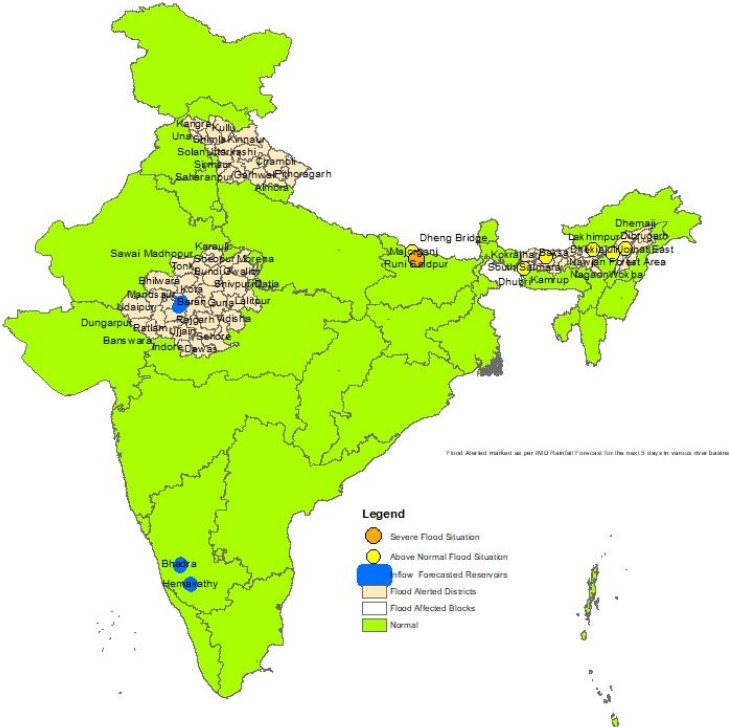
2.2 Flood Situation as per actual/ forecasted rainfall

July 2019 and heavy to very heavy rainfall over Konkan & Goa, Coastal Karnataka, Uttarakhand, Uttar Pradesh, Bihar and Himachal Pradesh for the next 4 days from 6th July onwards and at Odisha and Madhya Pradesh on 6th 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:

Narmada Basin	In view of the rainfall forecast in MP during the next 24 hours, there is likelihood of rapid rise in Water Levels in Narmada and its tributaries. Since most of the dams have very low storage, this may help in increasing the storage in dams such as Barna, Tawa, Indirasagar, Omkareshwar and Sardar Sarovar Dams. However, all the above dams will still be far below FRL.
Tapi Basin	In view of the rainfall forecast in MP during the next 24 hours, there is likelihood of rapid rise in Water Levels in Tapi and its tributaries. Since most of the dams have very low storage, this may help in increasing the storage in dams such as Hatnur and Ukai Dams. However, all the above dams will still be far below FRL.
Mahi Basin	In view of the rainfall forecast in MP during the next 24 hours, there is likelihood of rapid rise in Water Levels in Mahi and its tributaries. Since most of the dams have very low storage, this may help in increasing the storage in dams such as Mahi Bajaj Sagar Dam, Som Kamla Amba Dams in Rajasthan. However, all the above dams will still be far below FRL.
Ganga Basin	In view of the rainfall forecast in MP and Eastern UP 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. 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. Necessary precautionary measures have to be taken. 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 as well as likelihood of flash floods in Hilly Catchments of Yamuna, Ganga, Sutlej.
Brahmaputra Basin	Due to the rainfall forecast on 8 th and 9 th July, there is possibility of rise in Water Levels in Brahmaputra and its tributaries. Situation has to be closely monitored depending on the actual rainfall situation.

Map showing Flood Situation on 05.07.2019 and the Districts Alerted for next 5 days



Flood Alerted Districts for next 5 days include:

Madhya Pradesh:	Districts covering rivers Narmada, Mahi, 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.
Assam:	Districts covering Brahmaputra Basin