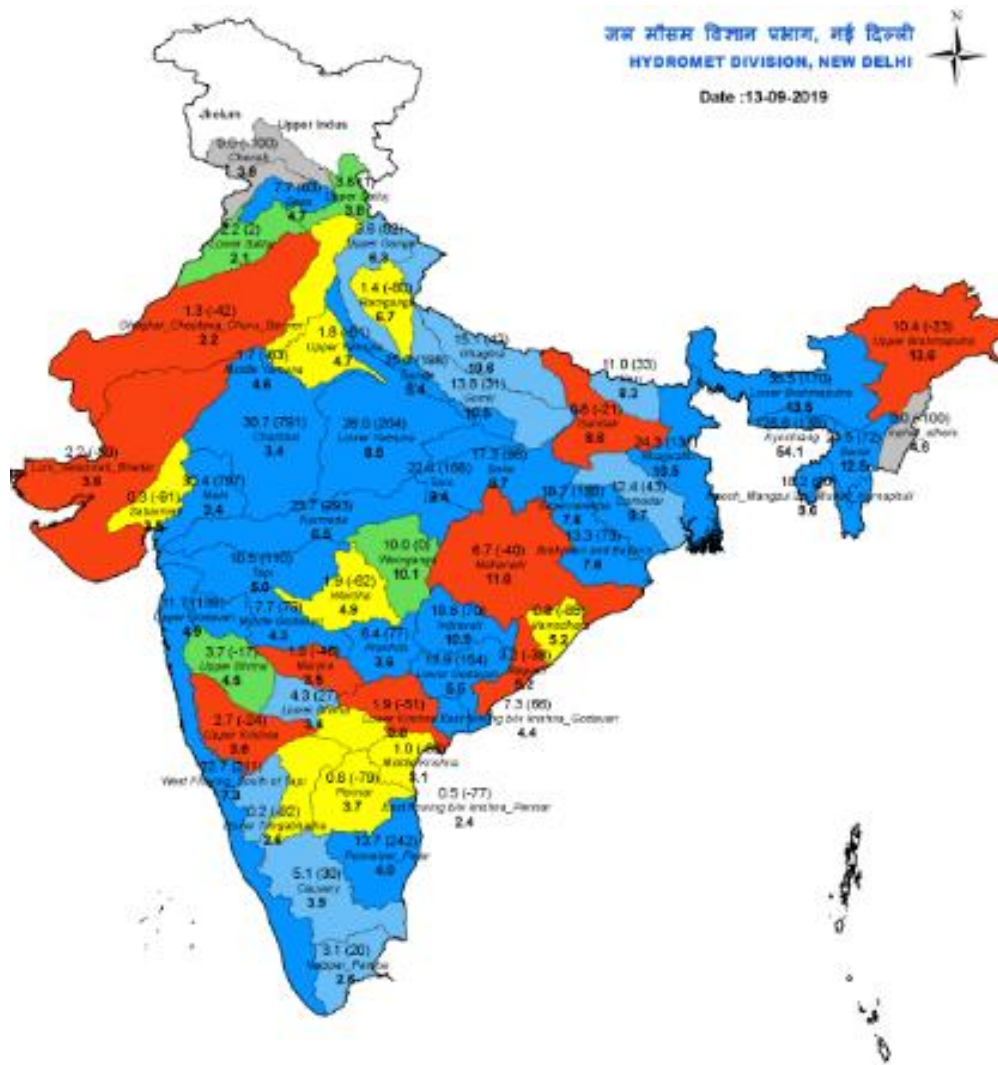




Daily Flood Situation Report cum Advisories 13-09-2019

- 1.0 IMD information
- 1.1 Rainfall Situation
- 1.1.1 River Basin Rainfall Map for 13th September 2019

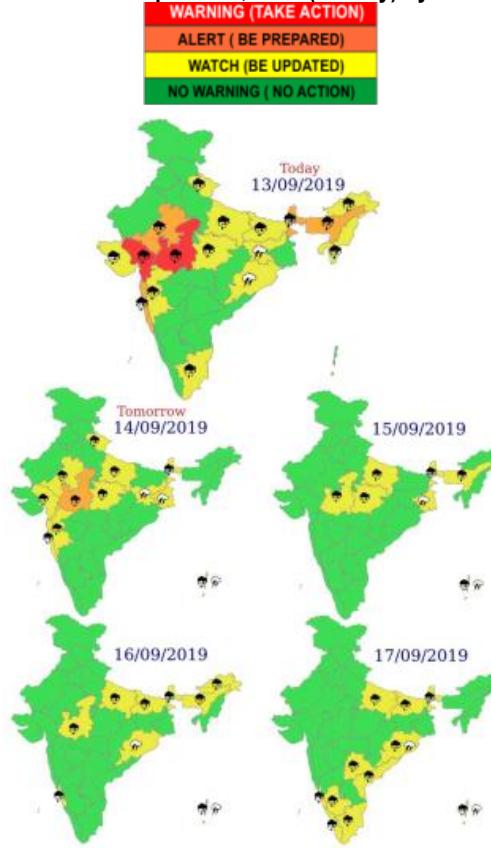


Large Excess [60% or more]	Excess [20% to 59%]	Normal [-19% to 19%]	Deficient [-59% to -20%]	Large Deficient [-99% to -60%]	No Data [-100%]	No Rain
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Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall(mm)
b) Percentage departures of rainfall are shown in brackets.



1.1.2 Rainfall forecast for next 5 days issued on 13th September, 2019 (Midday) by IMD

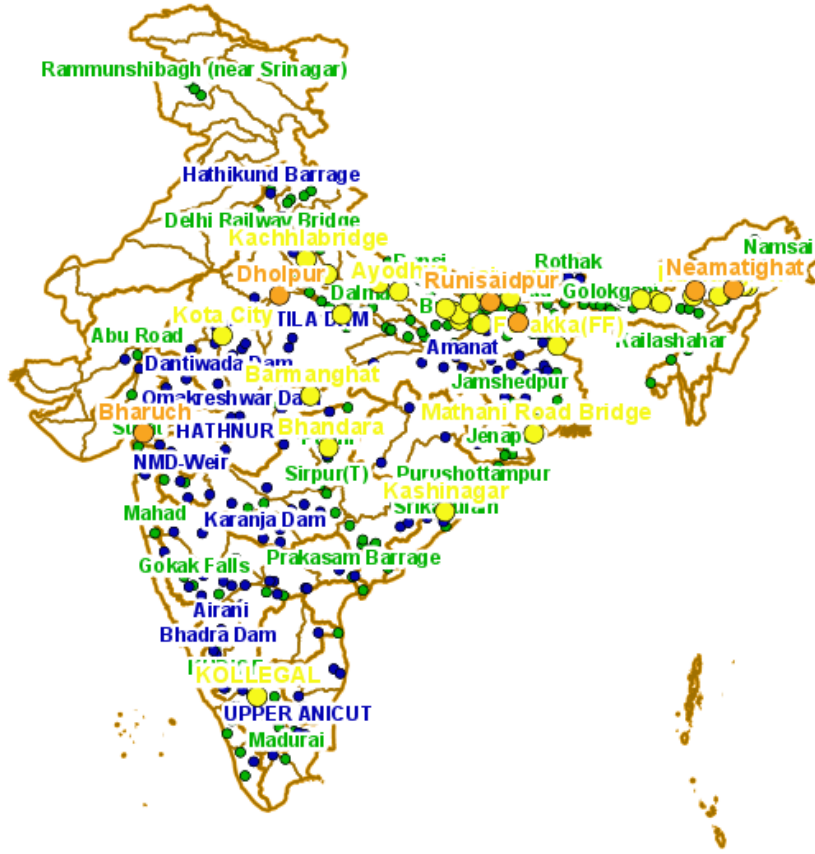


2.0 CWC inferences

2.1 Flood Situations as per actual/ forecasted rainfall situation

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))	5
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	30
Total number of sites above Warning Level (A+B+C)		35
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)		38

For details please visit: http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-13092019_1.pdf



2.1.1 Mahi, Wainganga, Tapi, Narmada, Betwa, Ken & Chambal Basin in Madhya Pradesh, Rajasthan, Maharashtra & Gujarat

Due to low pressure area in Madhya Pradesh and adjoining areas of Uttar Pradesh, extremely heavy rainfall is occurring over Madhya Pradesh for the past five days. This is affecting the sub-basins of Wainganga (Godavari Basin), Narmada (Narmada Basin), Chambal, Betwa & Ken (Yamuna Sub-Basin of Ganga Basin). Further, there is forecast of extremely heavy rainfall in West Madhya Pradesh for next 24 hours and heavy rainfall for another 3 days. This is likely to increase the flows in most of the sub-basins mentioned above.

River **Narmada** at Barmanghat in Narsingpur District is flowing in Above Normal Flood Situation with rising trend. Releases from various Dams starting from upstream in Narmada Basin are given as under:

Dam	River	Date & Time	Outflow in Cumec
Bargi Dam	Bargi	12/9/19 1200	5876
Barna Dam	Barna	12/9/19 1200	168.7
Tawa Dam	Tawa	12/09/19 0800	All Gates Closed
Indira Sagar Dam	Narmada	12/09/19 1600	11500
Omkareshwar Dam	Narmada	12/09/19 1600	19605
SardarSarovar Dam	Narmada	12/09/19 0800	21694

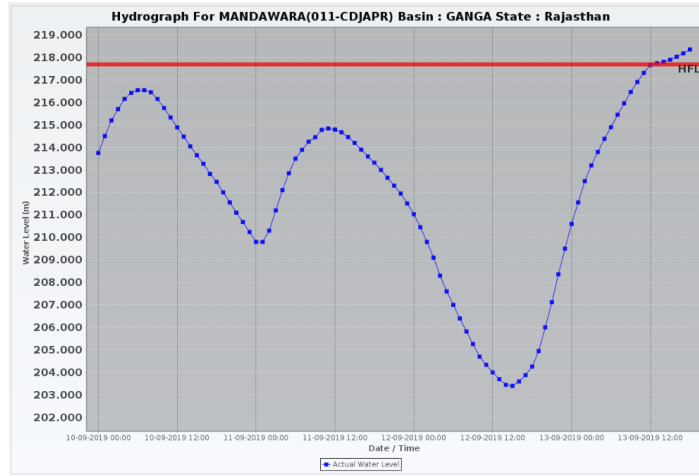
Due to releases from Sardar Sarovar Dam, river Narmada at Bharuch in Bharuch District of Gujarat is continuing to flow in Severe Flood Situation and is likely to continue in Severe flood situation for another 1-2 days with slow falling trend.

River **Wainganga** is again rising in view of rainfall in East Madhya Pradesh. Since there is likelihood of very heavy rainfall in Seoni, and Mandla Districts for next 24 hours, there is likelihood of rising level in Wainganga. River Wainganga at Bhandara in Bhandara District of Maharashtra is flowing in Above Flood Situation with steady trend and is very close to Danger Level..

River **Betwa** at Basoda in Madhya Pradesh reached the peak level today afternoon and is falling. This is giving heavy inflows into **Rajghat Dam** in Ashoknagar District. Since Rajghat Dam is very near FRL, it is releasing around 3.17 Lakh cusec of water which is going as inflow into **Matatila Dam** in Uttar Pradesh. Since Matatila Dam is also very near to FRL, the excess water is being released into river Betwa which may affect the districts of Jalaun in Uttar Pradesh.

River **Chambal** is rising in Madhya Pradesh in the districts of Jhabua, Ratlam, Ujjain and Mandsaur. **Gandhisagar Dam** on river Chambal in Mandsaur District is very near to FRL and is releasing around 2.37 Lakh cusec of excess water which is inflows for **RanaPratap Sagar, Jawahar Sagar** and **Kota Barrage** in Rajasthan. As almost all the dams are at FRL, they are releasing excess water and river Chambal is flowing close to Warning Level at Kota in Kota District of Rajasthan.

Due to the releases from various dams and the rainfall in catchment area, River Chambal at Mandawara in Kota District of Rajasthan is flowing in Extreme Flood Situation from today 1300 hrs. Hydrograph is appended.



River **Mahi** is rising all along its course in the States of Madhya Pradesh (Dhar, Ratlam Districts), Rajasthan (Banswara District), Gujarat (Mahisagar District). Mahi Bajaj Sagar Dam in Rajasthan is getting an instantaneous inflow of 10,209 cumec at 1800 hrs with a peak inflow of around 12,248 cumec between 1400 and 1600 hrs today and is releasing the same amount of water. Paderdibadi H O Station of CWC in the downstream is getting a discharge of around 8400 cumec with rising trend.

There is a report of threat of breach/overflow at Kundanpur Dam a small dam in Ratlam District of Madhya Pradesh. A preliminary study indicates that the breach may affect the local populace in around 2 to 5 km of the dam but once it confluences bigger tributaries and main Mahi River, the effect may not be very severe. Preliminary Note on the above was shared with respective State Governments.

River Sone is also rising in its source regions and Bansagar Dam in Shahdol District of Madhya Pradesh in Sone basin is releasing around 4500 cumec as it is very near to its FRL.

2.1.2 Ganga Basin

Due to continuous releases from reservoirs in Chambal Basin, Ken, Betwa & Sone Basins, river Yamuna at Hamirpur in Hamirpur District of Uttar Pradesh is flowing in Above Normal Flood Situation. This rise in river Yamuna is also felt on river Ganga which is rising all along its course from Allahabad to Patna. River Ganga at Ballia in Ballia District of Uttar Pradesh is expected to cross Danger Level by tonight and is likely to rise further.

River Ganga at Patna Gandhighat in Patna District of Bihar is flowing in Above Normal Flood Situation with rising trend. In view of the continuing rains in Madhya Pradesh, the river Ganga is expected to be in floods of Above Normal to severe intensity for next 4-5 days.

2.1.3 Brahmaputra Basin in Assam

In view of heavy to very heavy rainfall forecast for next 3 days and Excess rainfall already occurring in Brahmaputra Basin, some of the flood forecasting stations in Assam are likely to rise and flow in Above Normal to Severe Flood Situation.

2.2 Flood Alerted Districts

Maharashtra: Districts along the river courses of **Wainganga and their tributaries**

Madhya Pradesh: Districts along the course of rivers **Wainganga, Tapi, Narmada, Betwa, Mahi, Sone, Ken and Chambal**

Rajasthan: Districts along the course of the rivers **Mahi, Chambal and its tributaries**

Assam: Low lying areas along river course of **Brahmaputra** in Jorhat, Jia-Bharali in Sonitpur

Flood Affected/ Alerted Districts in the Country

