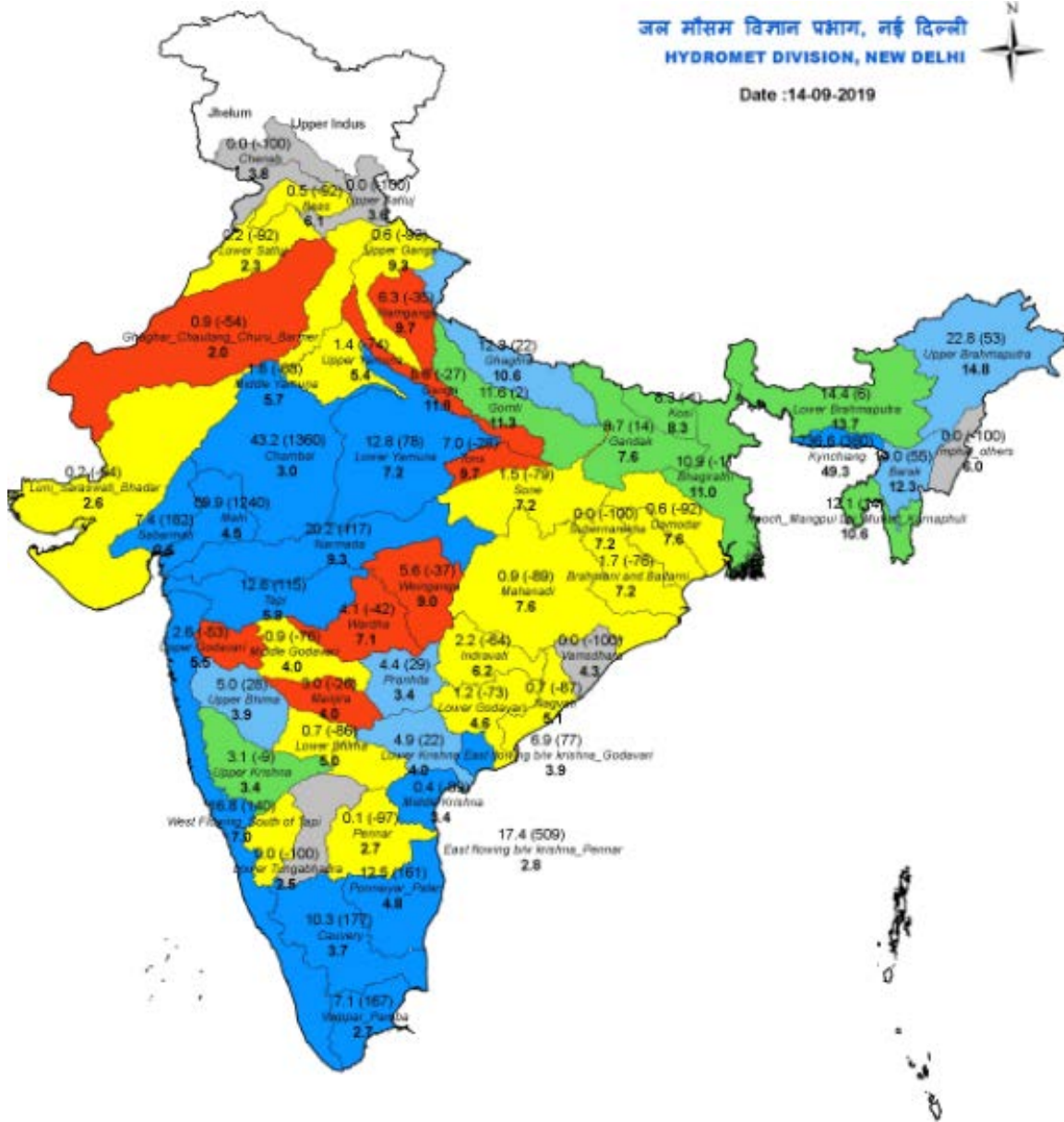




Daily Flood Situation Report cum Advisories 14-09-2019

- 1.0 IMD information
- 1.1 Rainfall Situation
- 1.1.1 River Basin Rainfall Map for 14th September 2019



Large Excess	Excess	Normal	Deficient	Large Deficient	No Data	No Rain
[60% or more]	[20% to 59%]	[-19% to 19%]	[-59% to -20%]	[-99% to -60%]	[-100%]	

Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
b) Percentage departures of rainfall are shown in brackets.

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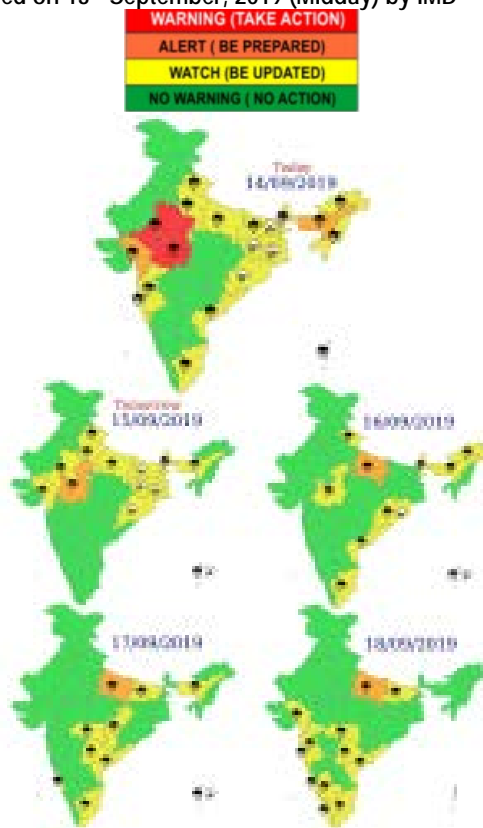


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1.1.2 Rainfall forecast for next 5 days issued on 13th September, 2019 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situations as per actual/ forecasted rainfall situation

FLOOD SITUATION SUMMARY		
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))	10
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)		40
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)		34

For details please visit: <http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-14092019.pdf>

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2.1.1 Mahi, Narmada, Betwa, Ken & Chambal Basin in Madhya Pradesh, Rajasthan & 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 Mortakka in Khargone District is flowing in Severe Flood Situation with falling trend. Releases from various Dams starting from upstream in Narmada Basin are given as under:

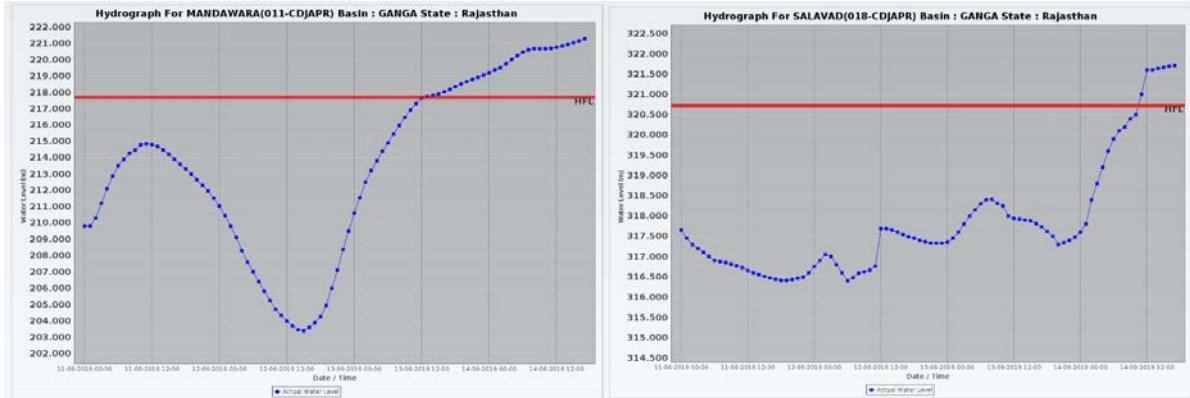
Dam	River	Date & Time	Outflow in Cumec
Bargi Dam	Bargi	14/09/19 1200	6067
Barna Dam	Barna	14/09/19 1200	269
Tawa Dam	Tawa	14/09/19 0800	All Gates Closed
Indira Sagar Dam	Narmada	14/09/19 1600	17960
Omkareshwar Dam	Narmada	14/09/19 1600	19095
Sardar Sarovar Dam	Narmada	14/09/19 0800	18439

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.

As inflows into **Rajghat Dam** in Ashoknagar District has reduced, it is releasing around 0.89 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 Betwa at Mohana is flowing in Above Normal Flood Situation.

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 3.56 Lakh cusec of excess water which is inflows for **Rana Pratap Sagar**. It is getting an inflow of 5.36 Lakh cusec, Jawahar Sagar is releasing around 5.13 Lakh cusec and Kota Barrage is releasing around 4.42 Lakh cusec respectively due to extremely heavy rainfall in Chittorgarh District in Rajasthan. As almost all the dams are at FRL, they are releasing excess water and river Chambal is flowing in Severe Flood Situation at Kota City in Kota District of Rajasthan.

Due to the releases from various dams and the extremely heavy rainfall in catchment area, River Chambal at Mandawara in Kota District and River Kalisindh at Salavad in Jhalawar District of Rajasthan are flowing in Extreme Flood Situation with rising trend. 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 inflow of 13,889 cumec and is releasing the same amount of water. Kadana Dam in Mahisagar District of Gujarat is getting heavy inflows which is being released downstream due to which Wanakbori Weir is flowing in Above Normal Flood Situation.

River Sone is also rising in its source regions and Bansagar Dam in Shahdol District of Madhya Pradesh in Sone basin is releasing around 2500 cumec as it is very near to its FRL.

2.1.2 Ganga Basin

Due to continuous releases from reservoirs in Chambal, Ken, Betwa & Sone Basins, river Yamuna is likely to rise all along its course from confluence of Chambal upto Allahabad in Uttar Pradesh during the next 2-3 days. This rise in river Yamuna will also be 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 flowing in Severe Flood Situation and is likely to rise further. River Ganga at Allahabad, Mirzapur, Varanasi and Ghazipur are also expected to flow in Above Normal to Severe Flood in next 3-5 days. River Ganga at Patna Gandhighat in Patna District of Bihar is flowing in Above Normal Flood Situation with rising trend and is likely to cross Danger Level by tomorrow early morning and continue to rise for another 3-4 days. Besides this, River Ganga is expected to rise all along its course in Bihar from Buxar to Bhagalpur and 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

Madhya Pradesh:	Districts along the course of rivers 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
Uttar Pradesh:	Districts along course of rivers Yamuna downstream of confluence with Chambal upto its confluence with Ganga at Allahabad. River Ganga from Allahabad to Ballia, River Ghaghra from Barabanki to Ballia
Bihar:	Districts along course of River Ganga from Buxar to Bhagalpur