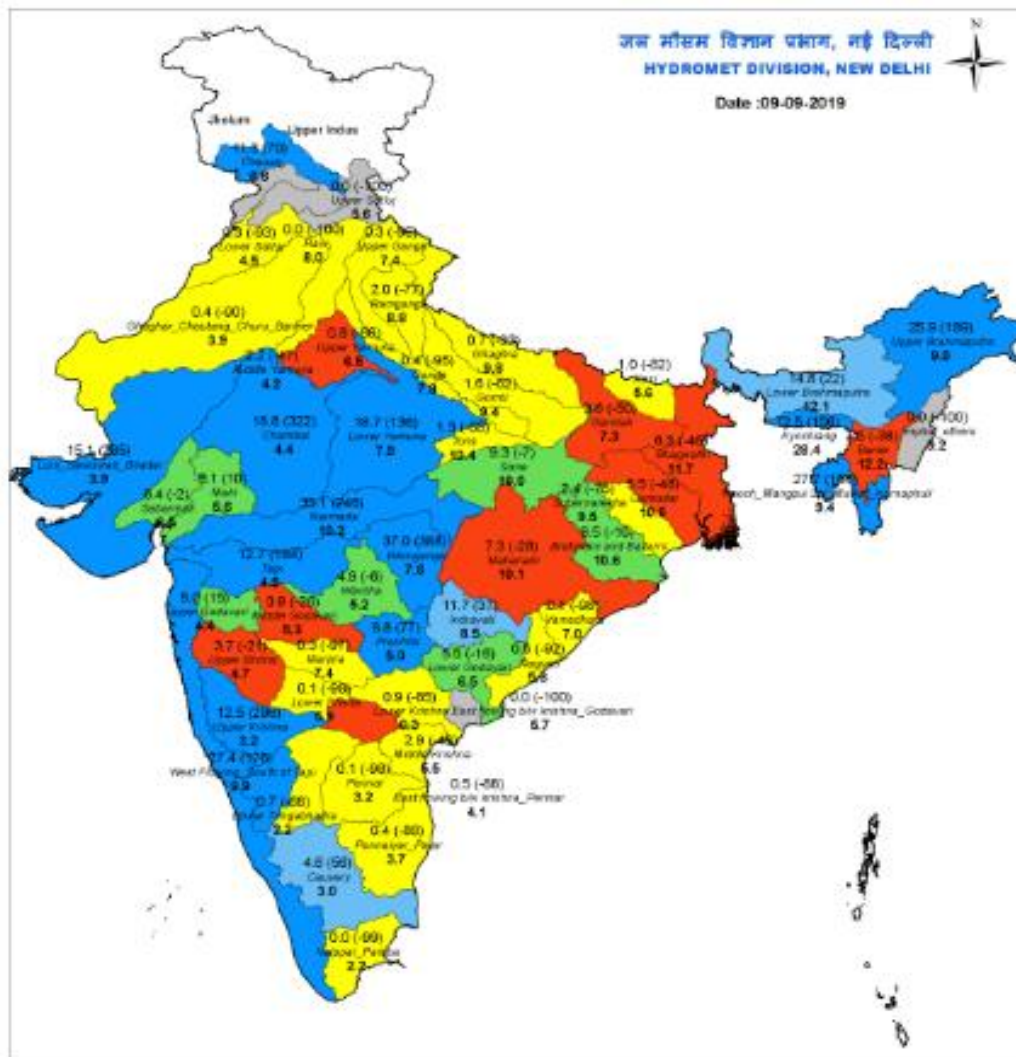




Daily Flood Situation Report cum Advisories 09-09-2019

- 1.0 IMD information
- 1.1 Rainfall Situation
- 1.1.1 River Basin Rainfall Map for 9th 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.

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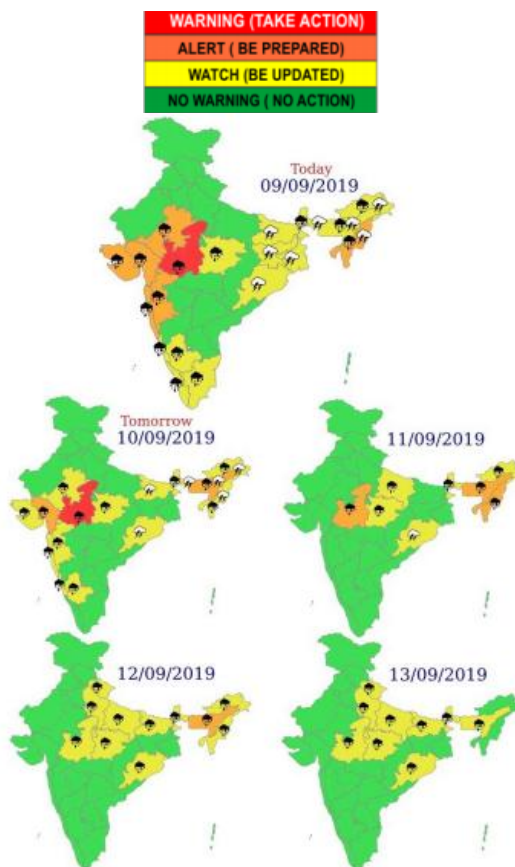
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1.1.2 Rainfall forecast for next 5 days issued on 9th September, 2019 (Midday) by IMD



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))	12
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	29
Total number of sites above Warning Level (A+B+C)		41
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)		36

For details please visit: http://cwc.gov.in/sites/default/files/cfcr-cwcdfb-09092019_1.pdf

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2.1.1 Wainganga, Narmada, Betwa, Ken & Chambal, Basin in Madhya Pradesh

Due to low pressure area in Madhya Pradesh, extremely heavy rainfall is occurring over Madhya Pradesh for the past two days. This is affecting the sub-basins of Wainganga (Godavari Basin), Upper & Middle Narmada (Narmada Basin), Chambal, Betwa & Ken (Yamuna Sub-Basin of Ganga Basin). Most of the rivers are rising in Madhya Pradesh. Further, there is forecast of extremely heavy rainfall in Western Madhya Pradesh for next 36 hours. This is likely to increase the flows in most of the sub-basins mentioned above.

Due to extremely heavy rainfall of 31cm at Seoni in Seoni District of Madhya Pradesh, Sanjay Sarovar Dam on River Wainganga in Seoni District started releasing due to which Kumhari & Balaghat on river Wainganga in Balaghat District flowed in Extreme and very near to Extreme Flood Situation. Due to the rise in upstream reaches, River Wainganga at Bhandara & Pauni in Bhandara District is

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flowing in Severe Flood Situation. Gosikhurd dam in Bhandara District is also getting heavy inflows which are being released downstream.

River Narmada at Barmanghat in Narsingpur District of Madhya Pradesh is flowing in Severe Flood Situation and at Hoshangabad in Hoshangabad District is flowing in Above Normal Flood Situation with rising trend. Bargi Dam on river Bargi, Barna Dam on river Barna, Tawa Dam on river Tawa and Indirasagar, Omkareshwar in Madhya Pradesh and Sardar Sarovar Dam in Gujarat on Narmada are also getting heavy inflows and most of these dams are releasing surplus water. Due to the combined effect of rainfall as well as releases from dams, river Narmada at Bharuch in Bharuch District of Gujarat is in Severe Flood Situation and is expected to rise further.

River Betwa at Basoda in Madhya Pradesh is rising and is giving heavy inflows into Rajghat Dam in Ashoknagar District. Since Rajghat Dam is very near FRL, it is releasing 3.15 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 Ken is also rising at Madla in Panna District of Madhya Pradesh and this is likely to affect Banda District of Uttar Pradesh also as rainfall is expected to continue.

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 2.25 Lakh cusec of excess water which is inflows for Rana Pratap 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.

2.1.2 Konkan & Goa, Ghat areas of Madhya Maharashtra & Gujarat

There has been very heavy rainfall recorded during last 24 hours along with the forecast of very heavy rainfall for next 24 hours and heavy rainfall for next 1 day in Konkan & Goa and in Hill ranges of Western Ghats in Maharashtra. River Levels in most of the rivers in West Flowing Rivers are in slow rising trend and is likely to continue in slow rising trend for another 24 hours before starting to fall.

River Krishna at Arjunwad in Satara District and Kurundwad in Kolhapur district are rising and is presently flowing in Above Normal Flood Situation with rising trend. Proper release advisories for downstream areas as well as for lower riparian States in the above basins have to be issued well in advance as most of the dams in the downstream lower riparian States are also very near their FRL and no storage is possible in many of the dams in downstream reach especially in Krishna Basin.

Almatti Dam and Narayanpur Dam in Karnataka are getting an inflow of around 1,71,000 and 2,28,000 cusec respectively today morning and in order to maintain flood cushion Almatti and Narayanpur Dams are releasing around 1.5 Lakh cusec. Level of Almatti Dam has fallen from 518.43 m yesterday to 518.01 by 0800 hrs today. Besides this Hidkal Dam on river Ghataprabha and Renukasagar Dam on river Malaprabha are also releasing excess inflow. River Ghataprabha at Gokak in Belagavi District is flowing in Severe Flood Situation with falling trend. All these rivers will be contributing to the inflows into P D Jurala project in Telangana which is likely to get an inflow of around 2,50,000 cusec by tomorrow morning. In continuation, Srisailem Dam in Andhra Pradesh is likely to get an inflow of around 2.89 lakh cusec by tomorrow morning. Nagarjunasagar Dam in Telangana, Dr KLRS Pulichintala Project and Prakasam Barrage in Andhra Pradesh are also likely to get increased inflows during the next 3-5 days. Tungabhadra Dam is also having inflows above its criteria and is releasing around 96,000 cusec. River Tungabhadra at Mantralayam in Kurnool District of Andhra Pradesh is likely to flow in Above Normal Flood Situation.

2.1.3 Cauvery Basin in Karnataka, Kerala and Tamilnadu

During the past 24 hours, there has been widespread rainfall in the catchment areas of river Harangi, Hemavathi, Kabini and Upper Cauvery in the States of Karnataka and Kerala. Since most of the dams are near or at FRL, they have started releasing excess flow. River Cauvery at Kollegal is flowing in Severe Flood Situation with steady trend. The flows from these dams are affecting Dharmapuri, Krishnagiri, Salem Erode, Karur and Tiruchirapalli Districts of Tamilnadu. Mettur Dam in Salem District attained its Full reservoir Level

and is releasing the excess flow as the flow is maintained around 65,000 cusec. Due to this, river Cauvery at Musiri in Tiruchirappalli District is flowing in Above Normal Flood Situation..

2.1.4 Increase in rainfall over Foot Hills of Himalaya

As the monsoon trough is expected to shift northwards, there is forecast of increase in rainfall over North Eastern States, Bihar and East Uttar Pradesh as well as over Uttarakhand during the next 3-4 days. Passighat in Siang District of Arunachal Pradesh recorded 12 cm of rainfall till today morning and many of the places in Assam, Arunachal Pradesh, North Bengal and Sikkim received moderate to heavy rainfall. As the rainfall is likely to continue for another 3-4 days, watch has to be maintained for any extremely heavy rainfall which may lead to increase in water levels in these States during the next 3-4 days.

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, Narmada, Betwa, Ken and Chambal**
Rajasthan: Districts along the course of the rivers **Chambal and its tributaries**

Flood Affected/ Alerted Districts in the Country

