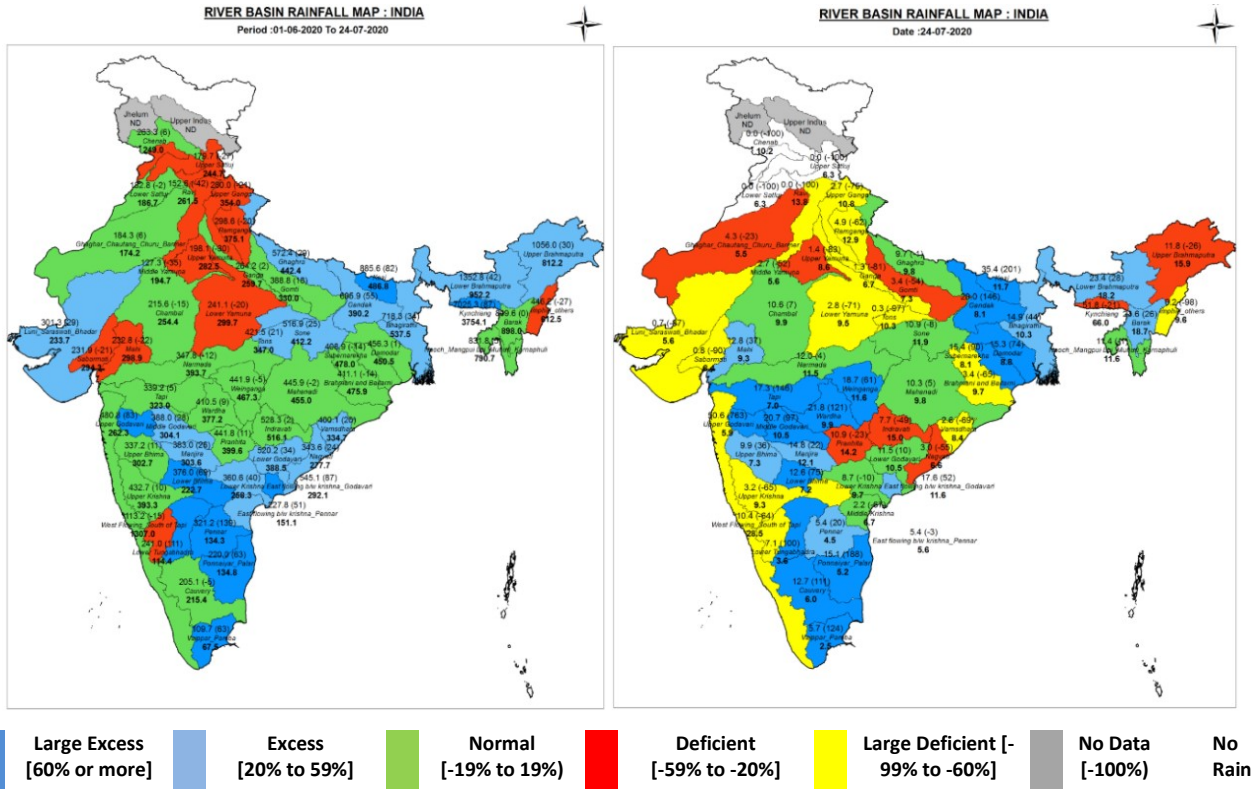




**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**24-07-2020**

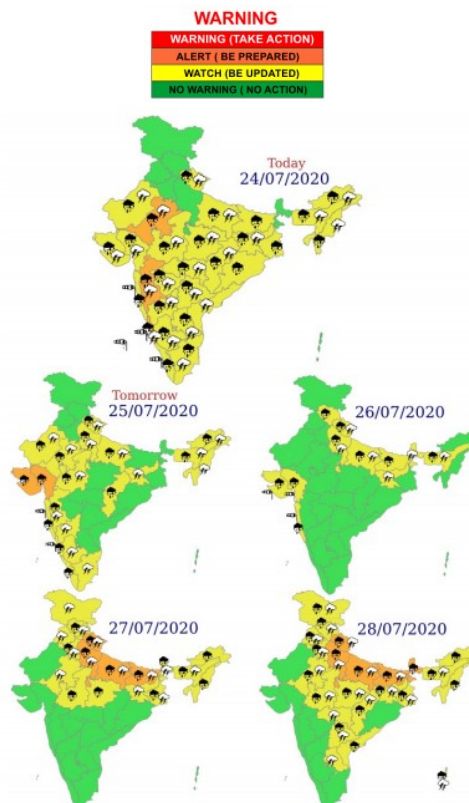
**1.0 IMD information**

**1.1 Basin wise departure from normal of cumulative and daily rainfall**



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

**1.2 Rainfall forecast for next 5 days issued on 24<sup>th</sup> July 2020 (Midday) by IMD**



## 2.0 CWC inferences

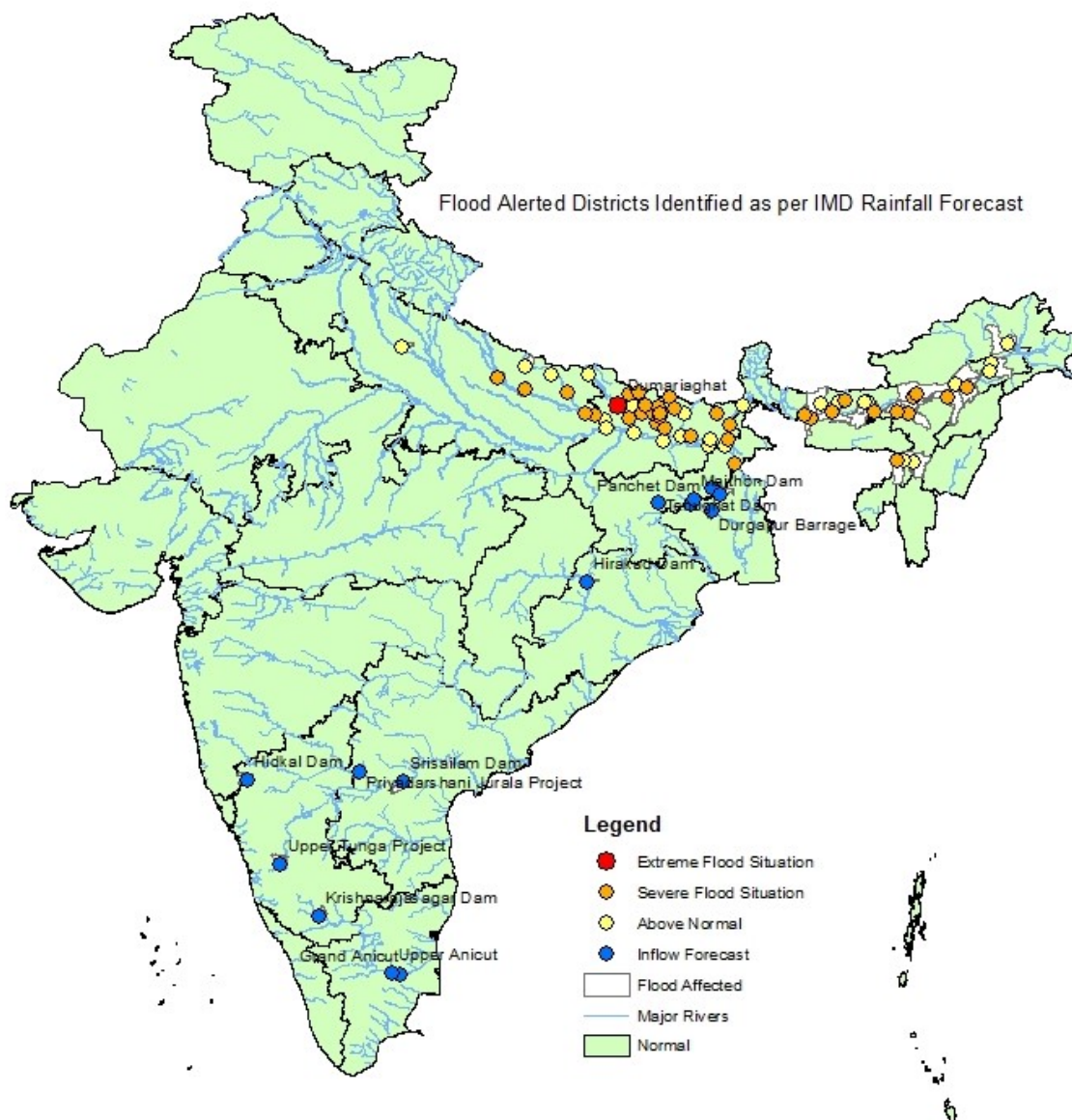
### 2.1 Flood Situation on 24<sup>th</sup> July 2020

On 24<sup>th</sup> July 2020, 1 station in Bihar is flowing in Extreme Flood Situation, 35 Stations (18 in Bihar, 12 in Assam, 4 in Uttar Pradesh and 1 in West Bengal) are flowing in Severe Flood Situation and 25 stations (10 in Bihar, 9 in Assam, 4 in Uttar Pradesh and 1 each in Jharkhand and Arunachal Pradesh) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 14 Barrages and Dams (4 in Jharkhand, 3 in Karnataka, 2 in Tamilnadu, 2 in West Bengal and 1 each in Telangana, Andhra Pradesh and Odisha).

PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
<b>A</b>	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	<b>1</b>
<b>B</b>	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	<b>35</b>
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	<b>25</b>
Total number of sites above Warning Level ( A+B+C)		<b>61</b>
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)		<b>14</b>

Details can be seen in link: - [http://cwc.gov.in/sites/default/files/cfcr-cwcdfb24072020\\_5.pdf](http://cwc.gov.in/sites/default/files/cfcr-cwcdfb24072020_5.pdf)

#### 2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network



## 2.2 CWC Advisories

- The monsoon trough at mean sea level lies close to its normal position & extends upto 1.5 Km above mean sea level. It is very likely to shift close to foothills of Himalayas from 26<sup>th</sup> July, 2020.
- A cyclonic circulation lies over Jharkhand & neighbourhood extending upto mid tropospheric level. Another cyclonic circulation lies over southwest Uttar Pradesh & neighbourhood at mid tropospheric level. These systems are very likely to merge by tomorrow, the 25<sup>th</sup> July, 2020 and become less marked thereafter. A Western Disturbance as a cyclonic circulation at 3.1 km above mean sea level lies over western parts of Afghanistan & neighbourhood.
- Under the influence of the above meteorological conditions: i) Fairly widespread to widespread rainfall with isolated heavy falls most likely to occur over Northeast & adjoining East India (Bihar, Sub-Himalayan West Bengal & Sikkim) during next 3 days. Widespread rainfall with isolated heavy to very heavy falls also likely to occur over the region on 27<sup>th</sup> & 28<sup>th</sup> July, 2020. Isolated extremely heavy falls also very likely over Assam & Meghalaya on 28<sup>th</sup> July, 2020. ii) Light to moderate isolated/scattered rainfall very likely over most parts of northwest India till 26<sup>th</sup> July. Its intensity & distribution very likely to increase with fairly widespread to widespread rainfall with isolated heavy to very heavy falls over the same region during 27<sup>th</sup> - 28<sup>th</sup> July, 2020.
- Intense thunderstorm & lightning potential zone: Moderate to severe thunderstorm & lightning at isolated places very likely over Madhya Pradesh, Madhya Maharashtra, Marathawada, Rajasthan, Bihar, Jharkhand and Gangetic West Bengal during 12 hours.
- As per IMD, Hydromet Division rainfall advisory In view of change in wind pattern and southward shift of monsoon trough from foothills of Himalayas, "There will be considerable decrease in rainfall intensity over river sub Catchments of Bihar, Sub Himalayan West Bengal & Sikkim, Assam, Meghalaya, Arunachal Pradesh and also over Upstream Transboundary River Catchments during next three days. Thereafter, rainfall activity is very likely to increase over mainly river sub Catchments of Bihar, Uttar Pradesh and Uttarakhand."

Based on the above rainfall forecast the following advisories are issued by CWC for various States:

### 2.2.1 Bihar, Jharkhand and Gangetic West Bengal

**River Gandak at Dumariaghat in Gopalganj District continues to flow in Extreme Flood Situation after attaining its peak level of 64.36 m at 0600 hours today. The previous HFL of 64.1 m was recorded on 17<sup>th</sup> August 2017. The river is now flowing at a level of 64.25 m with Falling trend which is 2.03 m above its Danger Level of 62.22 m and 0.15 m above its previous HFL.**

**Due to heavy rain in Bagmati Basin during the past 24 hours upto 0830 hrs today, River Bagmati at Benibad in Muzaffarpur District of Bihar continues to rise and is likely to go very near to its HFL of 50.01 m by tomorrow morning and may touch/cross HFL by 0700 hrs of 25<sup>th</sup> July 2020. It may peak around 50.10 m by noon of 25<sup>th</sup> July and then stabilise.**

**River Gandak at Rewaghat in Muzaffarpur District of Bihar is expected to touch HFL today evening and cross HFL by 1800 hrs today and then peak around 55.60 m by today night and then slowly stabilise. Previous HFL of 55.41 m was attained on 17<sup>th</sup> September 1986.**

Rivers Parman at Araria District, Mahananda in Purnia & Katihar Districts, Kosi in Khagaria District, Adhwara in Darbhanga District, River Bagmati in Darbhanga, Sitamarhi and Muzaffarpur Districts, River Kamla and River Kamlabalan in Madhubani District, River Burhi Gandak in Purba Champaran, Muzzafarpur & Samastipur Districts, Ghaghra in Siwan District and Gandak in Muzzafarpur District are flowing in Severe Flood Situation. Above rivers are flowing in Above Normal flood situation in many of the downstream location with rising trend.

Rivers Mahananda, Kosi, Kamlabalan, Adhwara Group, Bagmati, Buri Gandak, Gandak and Ghaghra are likely to continue to flow in Severe Flood Situation in most of the Northern Districts of Bihar. Due to combined effect of all North Bank Tributaries, river Ganga is expected to flow in Above Normal to Severe Flooding from Patna to Bhagalpur in Bihar and Sahebganj District in Jharkhand and Murshidabad District in West Bengal.

### 2.2.2 Assam & Meghalaya

Isolated extremely heavy falls are very likely over Assam & Meghalaya on 28<sup>th</sup> July, 2020.

#### **Brahmaputra**

River Brahmaputra is flowing in Severe Flood Situation with rising trend in Kamrup, Goalpara and Dhubri Districts and with falling trend in Jorhat and Sonitpur Districts. As the rainfall intensity is reducing, there is likelihood of Severe Flood Situation in main Brahmaputra from Kamrup to Dhubri Districts with slow falling trend.

#### **Tributaries of Brahmaputra**

Rivers Jia-Bharali in Sonitpur District, Sankosh in Dhubri district, Beki in Barpeta District, Kopili in Nagaon & Morigaon Districts, Dhansiri (South) in Golaghat District in Brahmaputra Basin and river Kushiya in Karimganj District in Barak Basin are flowing in Severe Flood Situation. As the rainfall has reduced significantly, the levels in these rivers are expected to fall gradually.

### 2.2.3 Uttar Pradesh

River Ghaghra in the Districts of Barabanki, Ayodhya and Ballia and River Rapti in Gorakhpur District are flowing in Severe Flood Situation.

#### Impact Based Actions

Strict vigil is to be maintained in all the above States & Districts for next 2-3 days. Breaches in Embankment if any may aggravate further flood like situation which should be monitored and all efforts to fill any such breaches should be done at the earliest. Maximum vigil has to be maintained along the rail and road tracks and bridges on these rivers and regulate traffic suitably to avoid any incident. All district administrations can take effective measures taking into account the prevailing Covid19 situation in relief camps being set up in these districts.

### 3. Flood Affected Districts

<b>Assam:</b>	Jorhat, Golaghat, Sonitpur, Nagaon, Morigaon, Kamrup, Barpeta, Goalpara, Dhubri, Karimganj
<b>Bihar:</b>	Purnia, Katihar, Araria, Madhubani, Darbhanga, Muzaffarpur, Purba Champaran, Khagaria, Sitamarhi, Gopalganj, Samastipur, Siwan
<b>Uttar Pradesh:</b>	Ayodhya, Gorakhpur, Barabanki, Ballia