

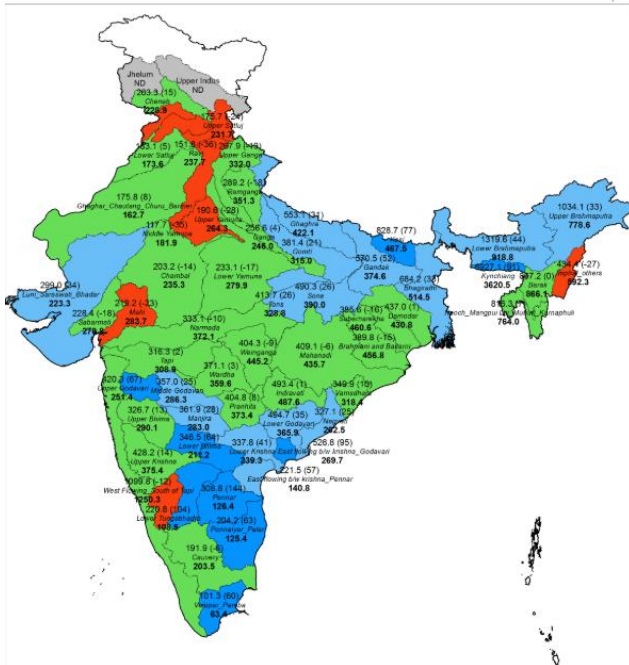


**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**22-07-2020**

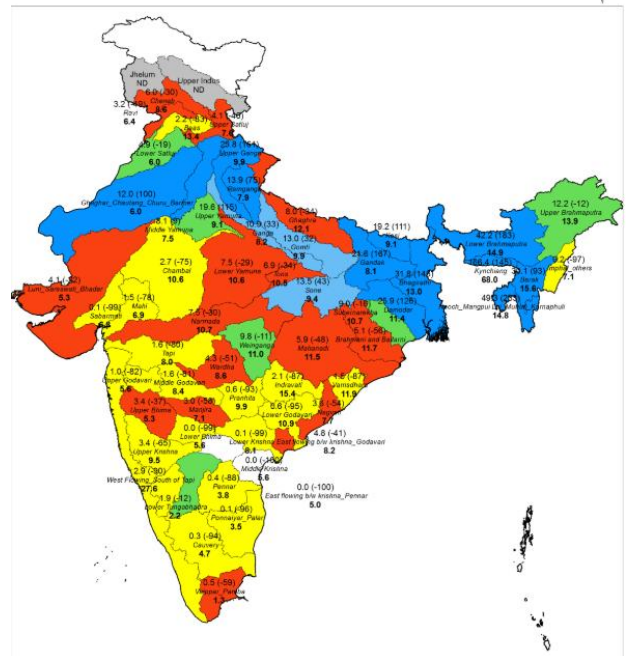
**1.0 IMD information**

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

**RIVER BASIN RAINFALL MAP : INDIA**  
 Period :01-06-2020 To 22-07-2020



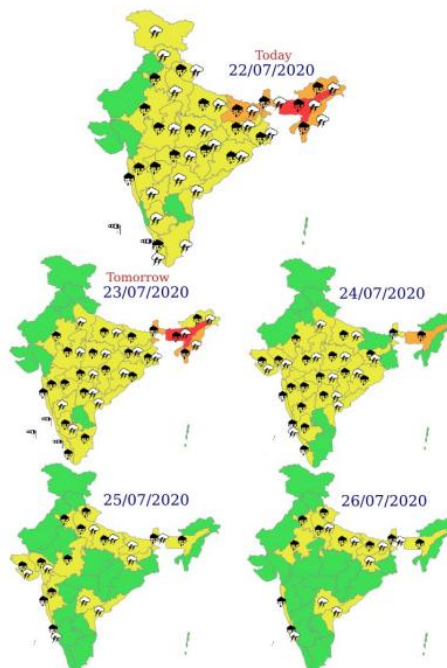
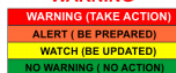
**RIVER BASIN RAINFALL MAP : INDIA**  
 Date: 22-07-2020



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 22<sup>nd</sup> July 2020 (Midday) by IMD**

**WARNING**



## 2.0 CWC inferences

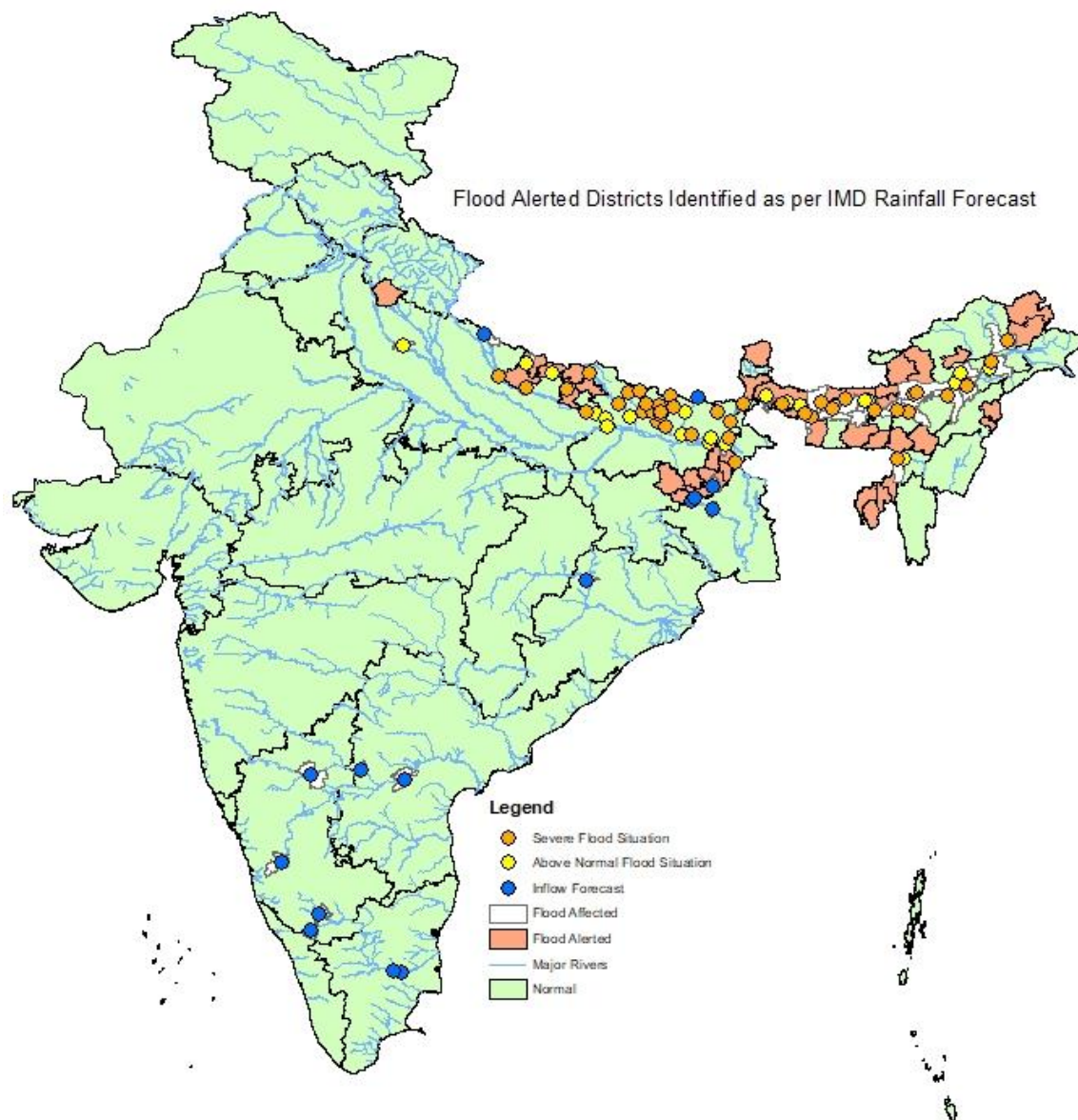
### 2.1 Flood Situation on 22<sup>nd</sup> July 2020

On 22<sup>nd</sup> July 2020, 40 stations (18 in Bihar, 14 in Assam, 5 in Uttar Pradesh, 2 in West Bengal and 1 in Arunachal Pradesh) are flowing in Severe Flood Situation and 22 stations (8 in Bihar, 6 in Assam, 3 in Uttar Pradesh, 4 in West Bengal and 1 in Jharkhand) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 16 Barrages and Dams (4 in Karnataka, 3 in Jharkhand, 2 each in Bihar and Tamil Nadu, 1 each in Uttar Pradesh, Telangana, Andhra Pradesh, West Bengal and Odisha).

FLOOD SITUATION SUMMARY		
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)	0
<b>B</b>	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	40
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	22
Total number of sites above Warning Level ( A+B+C)		62
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)		16

Details can be seen in link [http://cwc.gov.in/sites/default/files/cfcr-cwcdfb22072020\\_5.pdf](http://cwc.gov.in/sites/default/files/cfcr-cwcdfb22072020_5.pdf)

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



## 2.2 CWC Advisories

- The western part of monsoon trough lies little to the south of its normal position and eastern part runs close to the foothills of Himalayas. In addition: a) the convergence of moist southerly/southwesterly winds from Bay of Bengal over Northeast & adjoining East India very likely to continue for next 24 hours and b) interaction between mid-level westerlies and lower level southwesterlies from Arabian Sea over northwest India very likely to continue for next 24 hours.
- Under the influence of the above meteorological conditions: i) Rainfall intensity and distribution over Northwest India will reduce significantly from tomorrow, the 23<sup>rd</sup> July, 2020. Some reduction in rainfall intensity over Northeast India also very likely from 24<sup>th</sup> July due to likely southward shifting of the eastern end of the Monsoon trough. ii) Widespread rainfall activity with a) isolated heavy falls very likely over Central, East & Northeast India and Maharashtra during next 3 days and rainfall intensity very likely to decrease thereafter. b) Isolated extremely heavy falls also very likely over Assam & Meghalaya on 22<sup>nd</sup> & 23<sup>rd</sup> July and over Sub-Himalayan West Bengal & Sikkim on 22<sup>nd</sup> July.
- Intense thunderstorm & lightning potential zone: Moderate to severe thunderstorm & lightning at isolated places very likely over north Rajasthan, south Uttar Pradesh, north Madhya Pradesh and south Haryana & Delhi during next 12 hours.

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

### 2.2.1 North Eastern States, Sub-Himalayan West Bengal & Sikkim

Isolated extremely heavy falls are very likely over Assam & Meghalaya on 22<sup>nd</sup> & 23<sup>rd</sup> July and over Sub-Himalayan West Bengal & Sikkim on 22<sup>nd</sup> July.

Accordingly, a Statewise advisories regarding likely flood situation is given under:

#### **Arunachal Pradesh**

River Siang at Passighat in East Siang District continues to flow in Severe Flood Situation with heavy rainfall in its catchment. The intensity of rainfall is likely to reduce from 24<sup>th</sup> July. Hence the river levels may fall very slowly.

#### **Assam & Meghalaya**

Due to the forecasted Isolated extremely heavy over Assam and Meghalaya on 22<sup>nd</sup> & 23<sup>rd</sup> July, the river levels are expected to continue flowing in Severe Flood Situation especially in Lower Assam.

#### **Brahmaputra**

River Brahmaputra is flowing in Severe Flood Situation flowing with rising trend in Kamrup, Goalpara and Dhubri Districts and with falling trend in Dibrugarh, Jorhat and Sonitpur Districts. Due to forecasted heavy to very heavy rainfall, there is likelihood of Severe to Extreme Flood Situation in main Brahmaputra from Kamrup to Dhubri Districts.

#### **Tributaries of Brahmaputra**

Rivers Jia-Bharali in Sonitpur District, Sankosh in Dhubri district, Gaurang in Kokrajhar District, Beki in Barpeta District, Kopili in Morigaon District, Dhansiri (South) in Golaghat District in Brahmaputra Basin and river Kushiya in Karimganj District in Barak Basin are flowing in Severe Flood Situation. There has been report of floods in West Garo Hills and parts of Khasi Hills Districts of Meghalaya.

#### **West Bengal & Sikkim**

Due to forecasted rainfall in Sub Himalayan West Bengal & Sikkim as well as in catchment of trans-boundary rivers coming from Bhutan, rivers Teesta, Jaldhaka, Torsa, Raidak are expected to continue in Above Normal to Severe Flood Situation during the next 2 days in the Districts of Jalpaiguri, Coochbehar & Alipurduar of West Bengal and in all the Districts of Sikkim during the same period. Further, due to forecasted rainfall, there is likelihood of rise in levels of Mahananda and its tributaries in Malda District.

### 2.2.2 Bihar, Jharkhand and Gangetic West Bengal

Rivers Parman at Araria District, Mahananda in Kishanganj, 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 and Gandak in Gopalganj 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.

Due to forecasted rainfall in Bihar & in catchment areas of Mahananda in Sub-Himalayan West Bengal as well as in catchment of trans-boundary rivers coming from Nepal, 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.

### 2.2.3 Uttar Pradesh

Heavy rainfall is likely to occur in the Districts of Balrampur, Bijnor, Gonda, Siddharth Nagar, Maharajganj, Kushinagar and Gorakhpur in the next 2 days. Due to this the levels of Rivers Rapti Ghaghra and are expected to continue in Severe Flood

Situation for another 2-3 days. River Ghaghra in the Districts of Barabanki, Ayodhya and Ballia, River Gandak in Kushinagar District 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 3-4 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**

**Arunachal Pradesh:** East Siang  
**Assam:** Kokrajhar, Barpeta, Morigaon, Dhubri, Dibrugarh, Goalpara, Kamrup, Jorhat, Golaghat, Sonitpur, Nagaon, Karimganj  
**Meghalaya:** West Garo Hills, Khasi Hills  
**Bihar:** Purnia, Katihar, Araria, Madhubani, Darbhanga, Muzaffarpur, Purba Champaran, Kishanganj, Khagaria, Sitamarhi, Gopalganj, Samastipur  
**Uttar Pradesh:** Ayodhya, Gorakhpur, Barabanki, Ballia, Kushinagar  
**West Bengal:** Coochbehar

### **4. Flood Alerted Districts**

**Arunachal Pradesh:** Districts along river reaches of Siang, Lohit, Kameng, Manas  
**Assam:** Districts along river reaches of Brahmaputra, Manas, Beki, Gaurang, Aie, Sankosh  
**West Bengal:** Districts along river reaches of Teesta, Torsa, Raidak, Jaldhaka  
**Sikkim:** Districts along river reaches of Teesta  
**Bihar:** Districts along North Bank Tributaries of river Ganga  
**Uttar Pradesh:** Districts along North Bank Tributaries of River Ganga