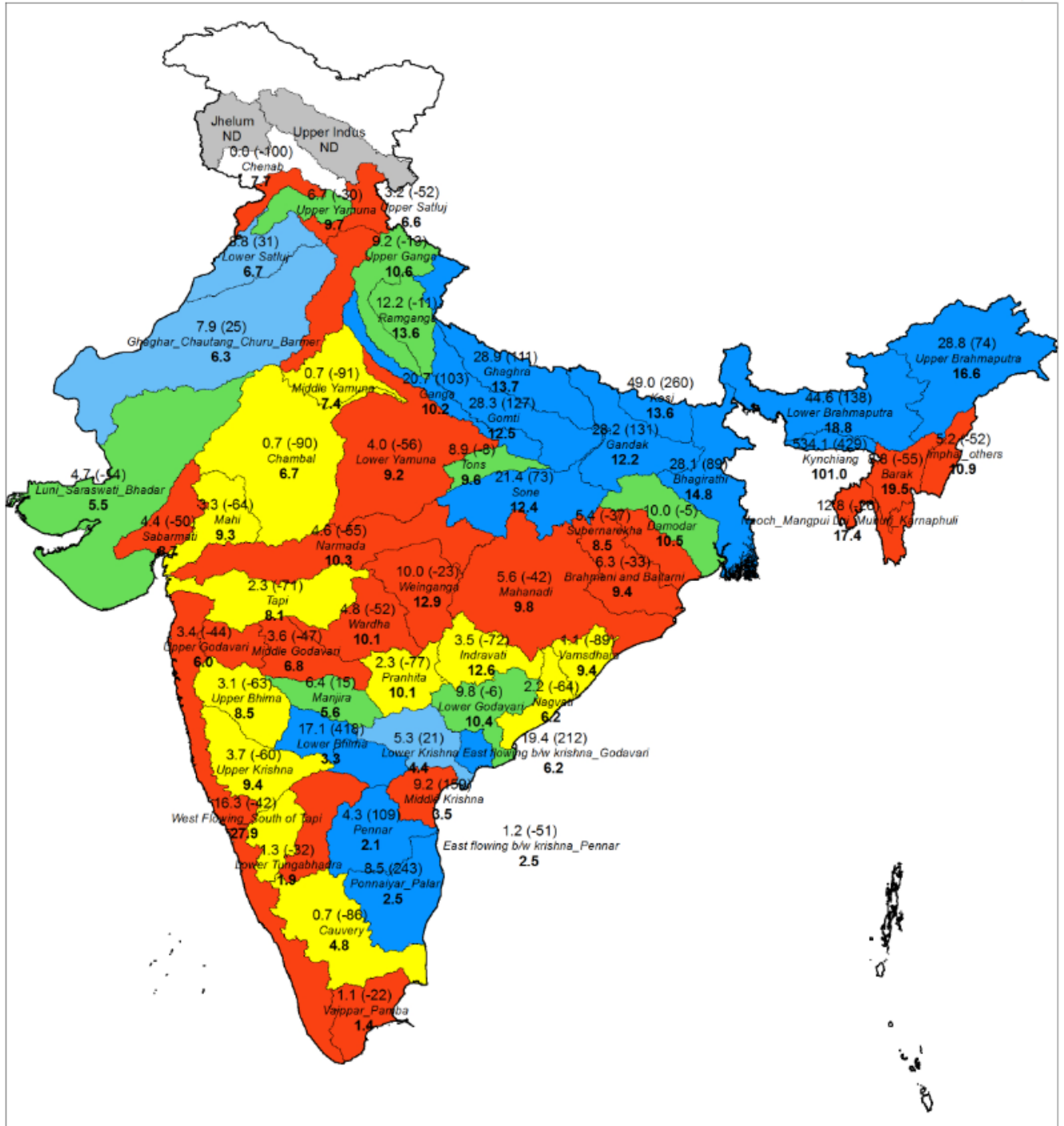




Central Water Commission  
Daily Flood Situation Report cum Advisories  
11-07-2020

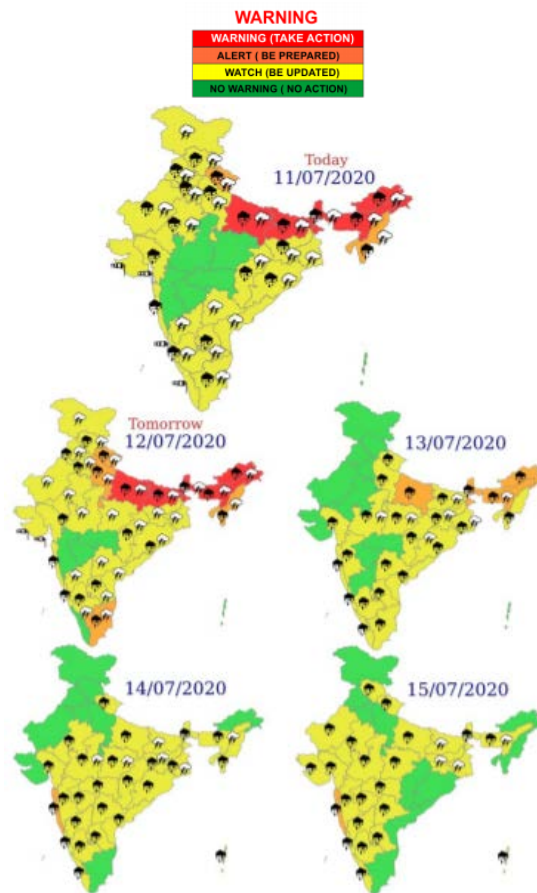
1.0 IMD information

1.1 Basin wise departure from normal rainfall on 11<sup>th</sup> July 2020



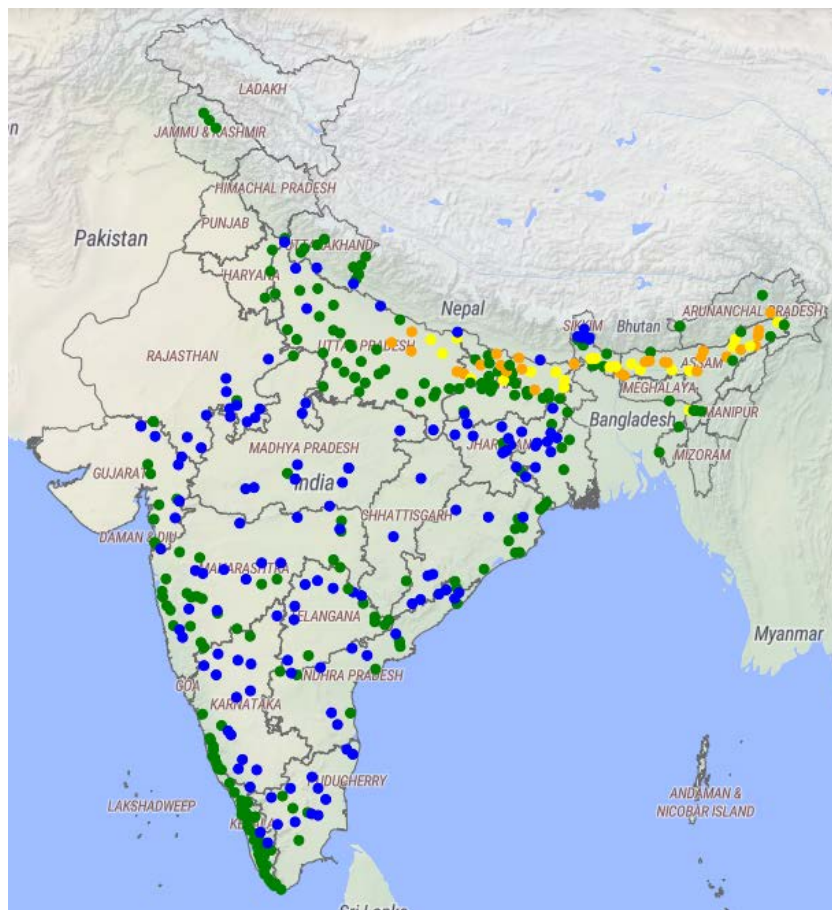
Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)  
b) Percentage departures of rainfall are shown in brackets.

## 1.2 Rainfall forecast for next 5 days issued on 11<sup>th</sup> July 2020 (Midday) by IMD



## 2.0 CWC inferences

### 2.1 Flood Situation on 11<sup>th</sup> July 2020



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

On 11<sup>th</sup> July 2020, 30 stations (1 in Arunachal Pradesh, 14 in Assam, 1 in West Bengal, 10 in Bihar and 4 in Uttar Pradesh) are flowing in Severe Flood Situation and 20 stations (9 in Assam, 5 in Bihar, 3 in Uttar Pradesh, 3 in West Bengal, 1 in Daman & Diu and 1 in Arunachal Pradesh) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 18 Barrages and Dams (7 in Karnataka, 2 in Jharkhand, 2 in Tamilnadu, 1 in Odisha, 1 in West Bengal and 1 in Uttar Pradesh).

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)	<b>0</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>30</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>20</b>
Total number of sites above Warning Level ( A+B+C)		<b>50</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/dfb202011-07-2020\\_4.pdf](http://cwc.gov.in/sites/default/files/dfb202011-07-2020_4.pdf)

### 2.2 CWC Advisories

- The monsoon trough runs close to the foothills of Himalayas. In addition, convergence of south westerly/southerly winds from Bay of Bengal in the lower levels very likely to continue over northeast & east India during next 2 days. Under its influence, fairly widespread to widespread rainfall with: a) Isolated extremely heavy falls very likely over Bihar, Sub-Himalayan West Bengal & Sikkim and East Uttar Pradesh on 11<sup>th</sup> & 12<sup>th</sup> July and over Assam & Meghalaya and Arunachal Pradesh on 11<sup>th</sup> July. Intensity of rainfall over these regions is likely to reduce gradually thereafter. b) Isolated heavy to very heavy falls also very likely over Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, West Uttar Pradesh and northern most parts of Punjab and Haryana during next 2 days.
- Intense thunderstorm & lightning potential zone: Moderate to severe thunderstorm & lightning very likely over Saurashtra & Kutch, East Uttar Pradesh, Bihar, West Bengal, Odisha and Jharkhand during next 24 hours.
- The eastern part of the Monsoon trough is likely to shift southwards from 13<sup>th</sup> July leading to a likely revival of active monsoon conditions over West, central and northern plains of India during 14<sup>th</sup> - 16<sup>th</sup> July.

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

##### Arunachal Pradesh

Due to rainfall of more than 50 cm in last two days (at 8.30 hrs on 11<sup>th</sup> July 2020) at Passighat, River Siang at Passighat is flowing in Severe Flood Situation. It is likely to remain in Severe Flood Situation for some more time and then stabilise. As the rainfall is likely to reduce from 13<sup>th</sup> onwards, there will be slow fall in river thereafter.

##### Assam

##### Brahmaputra

River Brahmaputra is in Spate all along its course from Dibrugarh to Dhubri. Station wise situation based on 0800 hrs level of today is as under:

**Dibrugarh (Dibrugarh District):** River is rising and is flowing 0.28 m above its Danger Level of 105.70 m and is expected to flow about 0.44 m above it Danger Level by 2100 hrs today. Since extreme rainfall is likely to continue for 1 more day, there may not be immediate fall. River may stabilise very close to its previous HFL of 106.48 m by tomorrow early morning depending upon the intensity and severity of rainfall.

**Neamatighat (Jorhat District):** River is rising and is flowing 2 m above its Danger Level of 85.04 m and is expected to cross HFL of 87.37 m probably today late evening and flow at around 87.40 m by 0900 hrs tomorrow. The river may rise a little more before stabilising by tomorrow evening.

**Tezpur (Sonitpur District):** River is rising and is flowing 0.35 m above its Danger Level of 65.23 m and is likely to flow around 0.87 m above Danger Level by tomorrow morning 0900 hrs when it will be within 0.50 m of its HFL of 66.59 m. Since Neamatighat is expected to rise for another day and since rainfall is occurring in catchment areas of Jia- Bharali in Arunachal Pradesh & Assam, it is expected that Tezpur may also go very near to its HFL with around 15 to 20% probability of touching HFL depending on the severity of rainfall in the catchments on 13<sup>th</sup> July 2020.

**Guwahati (Kamrup Metropolitan District):** River is rising but is flowing in Above Normal Situation. There is likelihood of rise in Water Level for next 2 days. The river is expected to touch its Danger Level of 49.68 m by tomorrow morning to noon and rise further. Due to rains in Meghalaya, river Kopili is also rising rapidly which will also contribute to flood at Guwahati. Contribution from Dhansiri (N) will also add to the flow at Guwahati which may also go very near to its HFL with less than 10% probability by evening of 13<sup>th</sup> July 2020.

**Goalpara (Goalpara District):** River is rising but is flowing in Above Normal Situation. There is likelihood of rise in Water Level for next 2 days. The river is expected to touch its Danger Level of 36.27 m by 12<sup>th</sup> July morning to noon and rise further. Since Puthimari & Pagladiya Rivers are also likely to contribute to the flood at Goalpara it is likely to rise further for another 2 to 3 days.

**Dhubri (Dhubri District):** River is rising and is flowing in Severe Flood Situation. There is likelihood of rise in Water Level for next 3 days. It is flowing 0.40 m above its Danger Level of 28.62 m. The river is expected to touch 0.48 m above its Danger Level by today 2100 hrs. It is likely to rise further as rivers Beki, Manas, Aie, Champamati, Gaurang and Sankosh are also likely to contribute to floods in Dhubri.

#### **Tributaries of Brahmaputra**

Rivers Buridehing in Dibrugarh District, Desang in Sibsagar District, Jia-Bharali in Sonitpur District, Kopili in Nagaon & Morigaon District, Puthimari in Baksa & Kamrup (Rural) Districts, Pagaladiya in Baksa & Nalbari Districts, Beki & Manas in Districts of Chirang, Barpeta & Bongaigaon, Gaurang in the District of Kokrajhar and Sankosh in Dhubri District are flowing in Severe Flood Situation.

#### **West Bengal**

River Teesta is flowing in Severe Flood Situation at Domohani Road Bridge in Jalpaiguri District and its tributaries Jaldhaka, Torsa and Raidak are flowing in Above Normal Flood Situation. Since rainfall is likely to continue for two more days, the rivers may continue to flow in Above Normal to Severe Flood Situation for another 2 days.

#### **2.2.2 Uttar Pradesh, Uttarakhand and Bihar**

There is likely Heavy to Very Heavy with isolated extremely heavy rainfall in North Bihar, East & West Uttar Pradesh and Uttarakhand from 11<sup>th</sup> to 12<sup>th</sup> July 2020.

##### **Bihar**

Rivers Mahananda, Parman, Bagmati, Kosi, Kamla, Kamlabalan, Ghaghra and Gandak are flowing in Severe Flood Situation in the Districts of Araria, Sitamarhi, Kishanganj, Khagaria, Muzaffarpur, Siwan and Madhubani Districts. Since rainfall has been forecasted to continue on 11<sup>th</sup> and 12<sup>th</sup> July, the rivers are likely to continue in Severe Flood Situation for another 3-4 days.

##### **Uttar Pradesh**

Rivers Ghaghra and Rapti in Barabanki, Ayodhya, Ballia, Balrampur Districts are flowing in Severe Flood Situation. Since rainfall has been forecasted to continue on 11<sup>th</sup> and 12<sup>th</sup> July, the rivers are likely to continue in Severe Flood Situation for another 3-4 days.

#### **Impact Based Actions**

Strict vigil is to be maintained in all the above 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 Covid 19 situation in relief camps being set up in these districts.

#### **2.2.3 Karnataka**

Heavy rainfall is likely to continue in Coastal Districts and in Western Ghat areas of Interior Karnataka for next 5 days, many of the rivers are likely to rise. Almatti Dam on river Krishna in Vijayapura District is getting reduced inflows as the

effect of rainfall in Madhya Maharashtra has reduced. However, there is likelihood of heavy rain continuing in Madhya Maharashtra during next 5 days which will keep the inflows steady.

Maximum Vigil is to be maintained along these river banks. Concerned Authorities in these States have to maintain strict vigil along railway track and Highways and regulate traffic along bridges to avoid any incidents due to submergence or washing out of bridges.

### **3. Flood Affected Districts**

**Assam:** Barpeta, Bongaigaon, Dhubri, Dibrugarh, Sonitpur, Sibsagar, Jorhat, Baksa, Chirang, Kamrup, Nagaon  
**Bihar:** Gopalganj, Khagaria, Madhubani, Sitamarhi, Kishanganj, Muzaffarpur, Siwan  
**Uttar Pradesh:** Barabanki, Ballia, Balrampur, Ballia

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

**Arunachal Pradesh:** Districts along rivers Siang, Lohit, Kameng and Manas  
**Assam:** Districts along the Brahmaputra and its Tributaries  
**Bihar:** Districts along North Bank Tributaries of Ganga  
**Maharashtra:** Districts along river reaches of West Flowing Rivers and Krishna and its tributaries  
**Karnataka:** Districts along West Flowing Rivers and along Krishna upto Almatti Dam.  
**West Bengal:** Coochbehar, Alipurduar, Jalpaiguri  
**Sikkim:** Districts along Teesta  
**Uttar Pradesh:** Districts along Ghaghra and Rapti & their tributaries  
**Uttarakhand:** Districts along rivers Bhagirathi, Alaknanda and their tributaries, Ramganga