



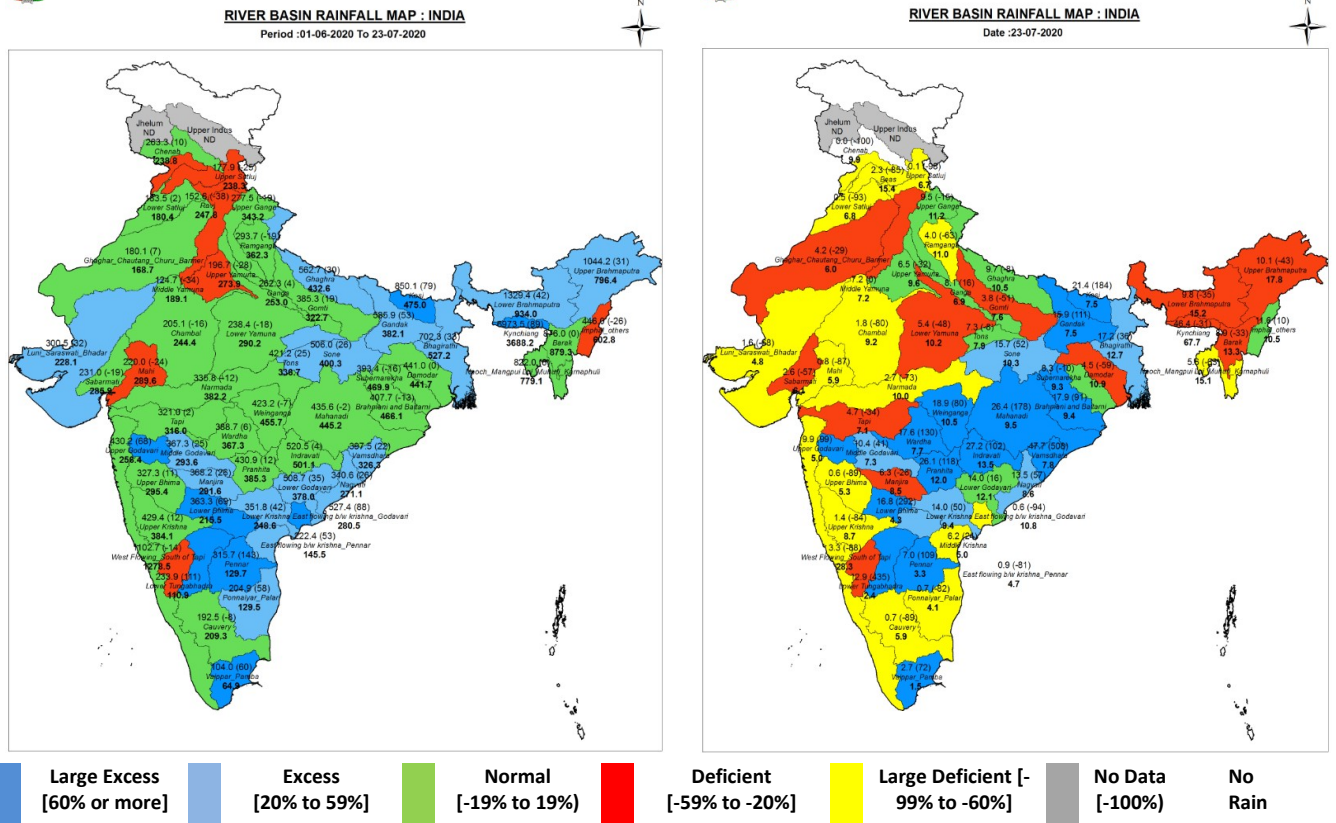
Central Water Commission

Daily Flood Situation Report cum Advisories

23-07-2020

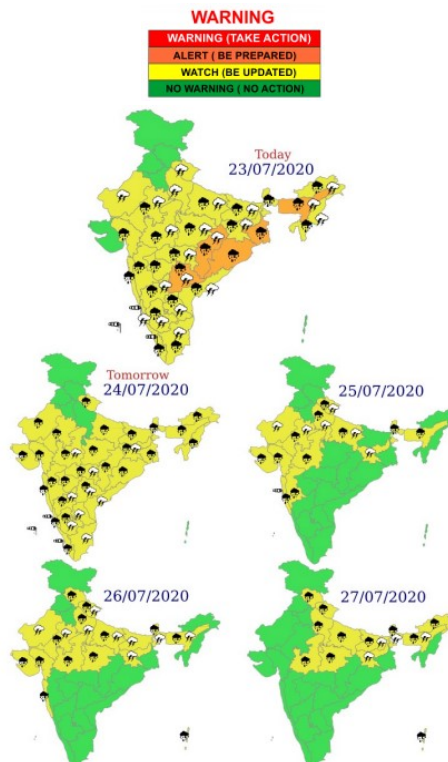
1.0 IMD information

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.

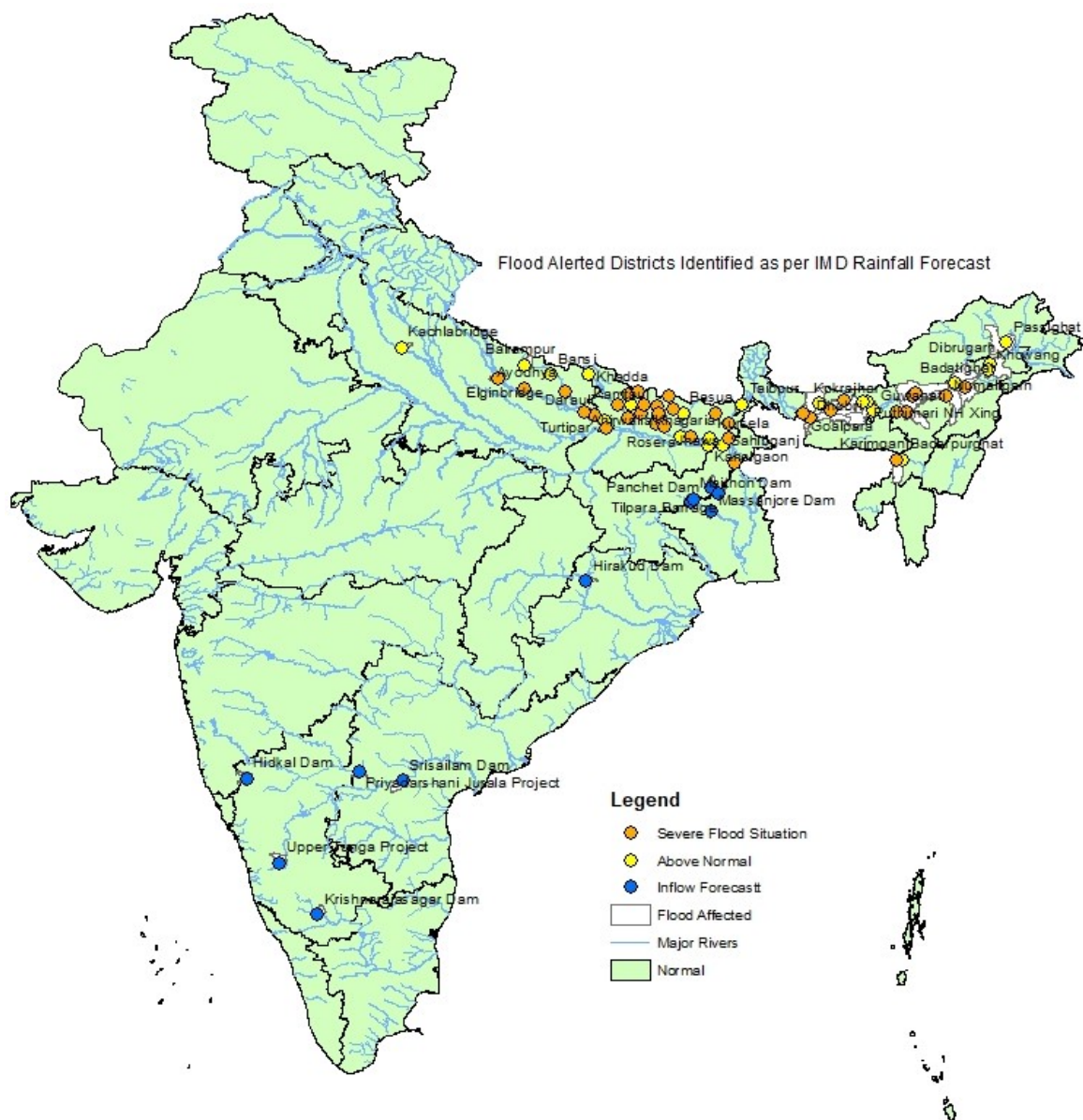
1.2 Rainfall forecast for next 5 days issued on 23rd July 2020 (Midday) by IMD



2.1 Flood Situation on 23rd July 2020

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))	36
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	21
Total number of sites above Warning Level (A+B+C)		57
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)		11

2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network



2.2 CWC Advisories

- The western end of the monsoon trough at mean sea level lies close to the foothills of the Himalayas and eastern end is near its normal position. A cyclonic circulation lies over Bangladesh & adjoining Gangetic West Bengal upto mid-tropospheric levels. In addition, there is a convergence of moist southerly/southwesterly winds from Bay of Bengal over Northeast & adjoining East India.
- Under the influence of the above meteorological conditions: i) Fairly widespread to widespread rainfall with isolated heavy falls most likely to occur over east & northeast India during next 5 days. Isolated heavy to very heavy falls are also very likely over Odisha and Gangetic West Bengal on 23rd July, 2020. Fairly widespread to widespread rainfall with isolated heavy falls also very likely over West Coast and Madhya Pradesh during next 4-5 days. ii) light to moderate isolated/scattered rainfall very likely over most parts of northwest India till 25th July, its intensity & distribution very likely to increase thereafter due to southwards shift of western end of the monsoon trough.
- Intense thunderstorm & lightning potential zone: Moderate to severe thunderstorm & lightning at isolated places very likely over south Bihar, Jharkhand, Vidarbha, Chhattisgarh, Karnataka and Telangana during next 12 hours.

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 has touched its previous HFL of 64.1 m recorded on 17th August 2017 and is flowing in Extreme Flood Situation. It is likely to peak around 64.25 m by today midnight and then slowly fall.

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, Punpun in Patna 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 North Eastern States, Sub-Himalayan West Bengal & Sikkim

Assam

The river levels are expected to continue flowing in Severe Flood Situation in Lower Assam with slow falling trend.

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

Heavy rainfall is likely to occur in the Districts of Bahraich, Shravasti, Balrampur, Siddharth Nagar and Kushinagar 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 1-2 days. River Ghaghra in the Districts of Barabanki, Ayodhya and Ballia and River Rapti in Gorakhpur District are flowing in Severe Flood Situation.

2.2.4 Telangana

It is seen from the Map showing Departure from Normal rainfall both Cumulative and Daily, that Telangana has received Excess rainfall cumulatively from 1st June to 23rd July as well as for today. This is likely to continue in view of the forecasted rainfall. Heavy rainfall is likely to occur in the Districts of Adilabad, Vikarabad, Mulugu, Nagarkurnool, Sangareddy, Siddipet in Telangana, rivers in Lower Bhima in Krishna Basin and Manjira, Maner, Middle Godavari, Wardha, Penganga basins are expected to rise.

Kaddam Dam in Adilabad District may get sudden inflows in view of the heavy rainfall being reported from its catchment areas in Nanded District of Maharashtra as well as in Adilabad District of Telangana. It is already filled upto 70% of its capacity. Due to continuing rains the balance of 2.3 TMC may get filled up in a good spell of heavy

rainfall. Necessary precautions shall be taken and excess flow may be released accordingly and release information be provided to all downstream areas including downstream projects..

P D Jurala Project in Jogulamba Gadwal District of Telangana is almost 90% filled up and it is releasing excess water to Srisailem Dam in Kurnool District of Andhra Pradesh. Due to heavy rainfall occurring in Yadgiri District in Karnataka in its catchment as well as the forecasted rainfall in Telangana in its catchment, there is possibility of increased inflows in to the project. The releases shall have to be accordingly planned well in advance and informed to all concerned downstream project authorities. Srisailem is getting an inflow of around 2,000 cumec and is expected to get steady inflows for next 1-2 days.

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

Assam:	Kokrajhar, Barpeta, Morigaon, Dhubri, Dibrugarh, Goalpara, Kamrup, Jorhat, Golaghat, Sonitpur, Nagaon, Karimganj
Bihar:	Purnia, Katihar, Araria, Madhubani, Darbhanga, Muzaffarpur, Purba Champaran, Kishanganj, Khagaria, Sitamarhi, Gopalganj, Samastipur
Uttar Pradesh:	Ayodhya, Gorakhpur, Barabanki, Ballia, Kushinagar