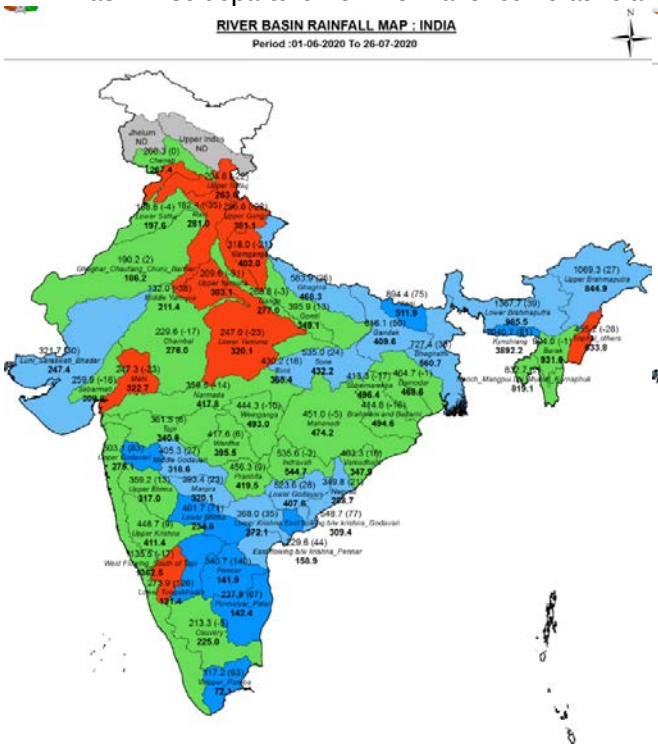
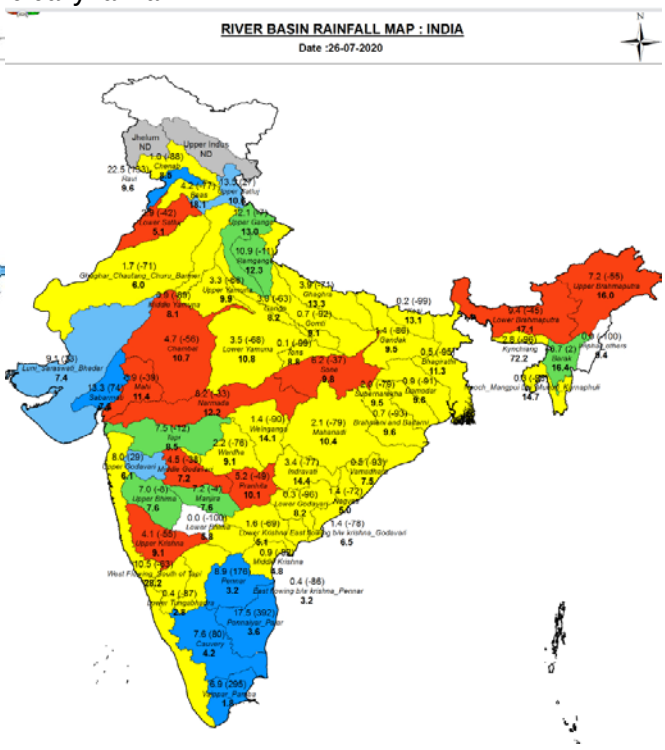
Central Water Commission
Daily Flood Situation Report cum Advisories
26-07-2020

1.0 IMD information

1.1 Basin wise departure from normal of cumulative and daily rainfall

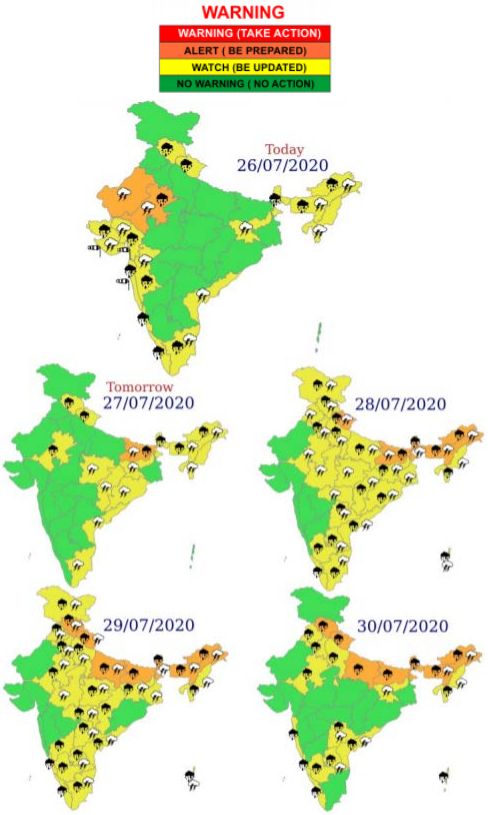




Large Excess [60% or more]	Excess [20% to 59%]	Normal [-19% to 19%]	Deficient [-59% to -20%]	Large Deficient [-99% to -60%]	No Data [-100%]	No Rain

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 26th July 2020 (Midday) by IMD



2.0 CWC inferences

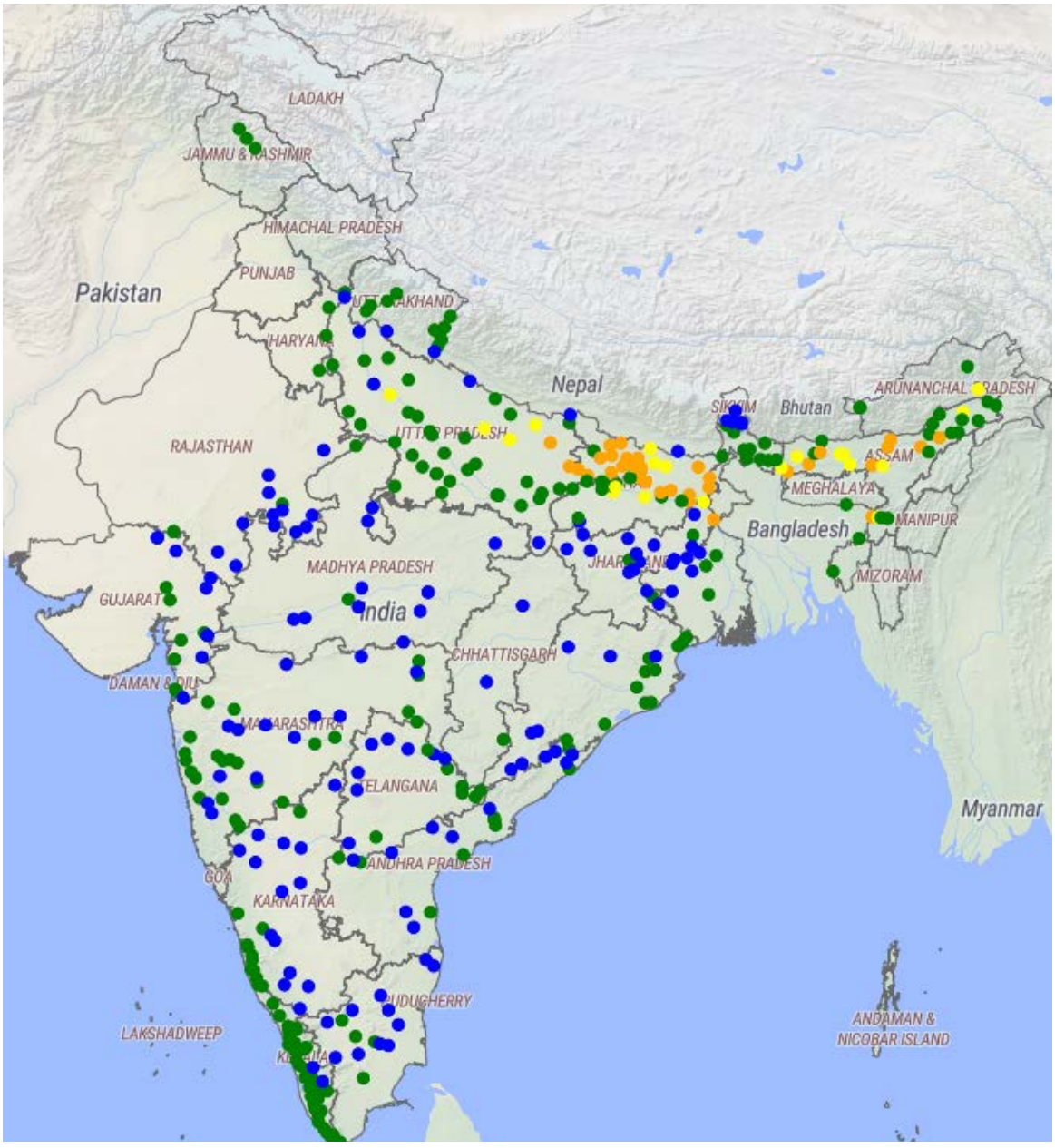
2.1 Flood Situation on 26th July 2020

On 26th July 2020, 34 Stations (22 in Bihar, 9 in Assam, 2 in Uttar Pradesh and 1 in West Bengal) are flowing in Severe Flood Situation and 20 stations (6 in Bihar, 8 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 8 Barrages and Dams (2 in Jharkhand, 2 in Andhra Pradesh, 2 in Tamilnadu and 1 each in West Bengal and Odisha).

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))	34
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	20
	Total number of sites above Warning Level (A+B+C)	54
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)		8

Details can be seen in link: -http://cwc.gov.in/sites/default/files/dfb202026-07-2020_5.pdf

2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network



2.2 CWC Advisories

- Eastern end of the Monsoon trough likely to shift to the foothills of Himalayas during next 24-hours while western end likely to remain weak with absence of easterly winds support from Bay of Bengal at lower levels during 2-3 days. Under such scenario, monsoon rainfall likely to remain subdued over plains of Northwest and Central India during next 2-3 days. However, rainfall is likely to increase over northeastern parts of India with isolated heavy to very heavy rainfall during 28th - 30thJuly.
- Under the influence of likely gradual southward shifting of the Monsoon trough zone and establishment of easterly/southeasterly wind from Bay of Bengal from 29th July, plains and hills of North India are likely to experience fairly widespread to widespread rainfall with isolated heavy to very heavy falls over Bihar, Sub-Himalayan West Bengal & Sikkim, Punjab, Haryana & Chandigarh, Uttar Pradesh, Himachal Pradesh and Uttarakhand during 29th -30th July.
- Under the influence of the cyclonic circulation over East-central Arabian Sea and a north-south trough to this system from the WD over north Pakistan, Gujarat State is likely to experience fairly widespread rainfall with isolated heavy to very heavy falls during next 24 hours.
- Also, a shear zone is likely to develop along 10°N from 28th July which is likely to move northwards during subsequent 2 days. Under its influence, peninsular India is likely to experience fairly widespread to widespread rainfall with isolated heavy falls over Coastal Andhra Pradesh, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu and Kerala during 28th to 30th July.

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

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 Purbi Champaran, Muzaffarpur & Samastipur Districts, River Ghaghra in Siwan District and River Gandak in Gopalganj, Muzaffarpur District are flowing in Severe Flood Situation with falling trend. Above rivers are flowing in Above Normal flood situation in many of the downstream location with falling trend and are likely to further fall in 2-3 days. However, rainfall is likely to rise in Bihar during 29th and 30th July 2020

2.2.2 Assam & Meghalaya

Isolated heavy to very heavy rainfall is very likely over Assam & Meghalaya from 28th July, 2020.

Brahmaputra

River Brahmaputra is flowing in Severe Flood Situation with rising trend in Dhubri District and with falling trend in Jorhat, Sonitpur and Goalpara Districts. As the rainfall intensity is reducing, the river is likely to fall all along the course from Dibrugarh to Dhubri for next 2-3 days depending on the intensity of rainfall which is forecasted to increase in North Eastern States from 28th onwards.

Tributaries of Brahmaputra

Rivers Jia-Bharali in Sonitpur District, Sankosh in Dhubri district, Beki in Barpeta District, Kopili in Morigaon Districts, Dhansiri (South) in Golaghat District in Brahmaputra Basin and river Kushiyara 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.

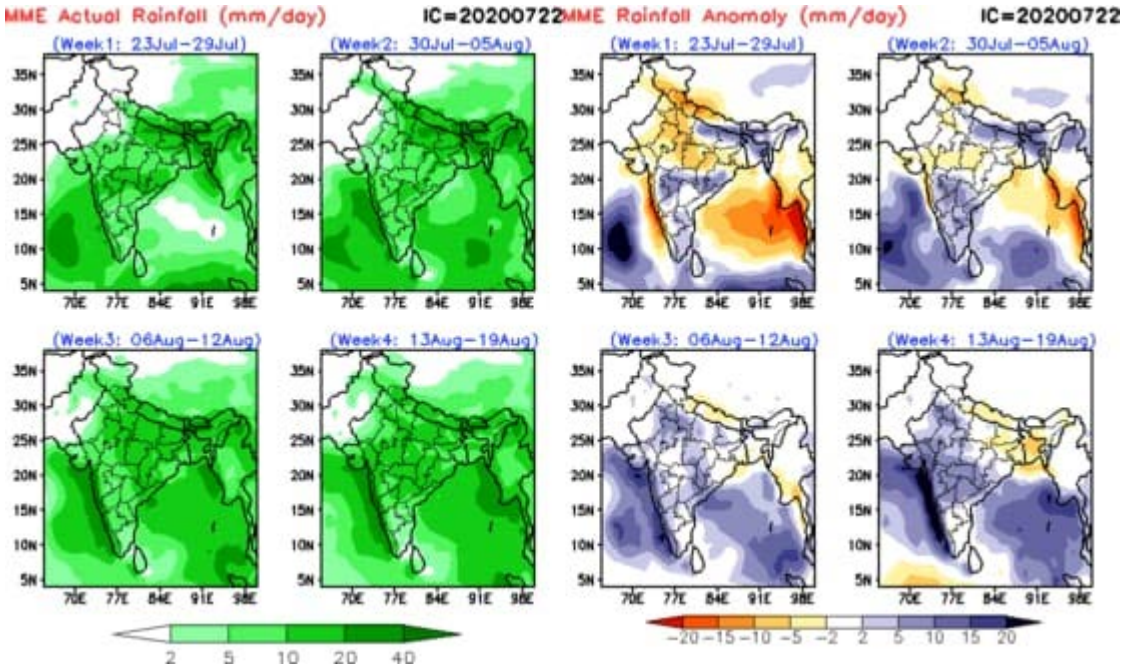
2.2.3 Uttar Pradesh

River Ghaghra in Ballia and River Rapti in Gorakhpur District are flowing in Severe Flood Situation. Rainfall is forecasted to rise in UP from 28th to 30th July.

2.2.4 Karnataka & Andhra Pradesh

Due to likely increase rainfall over Coastal Andhra Pradesh, Telangana, Rayalaseema & South Interior Karnataka during 28th to 30th July there is likelihood of increase in water levels in Tungabhadra, Middle Krishna and Lower Krishna Basin. *Since most of the major projects are 70 to 90 % filled up of their capacities as well as some of the medium & minor projects including irrigation tanks have got filled up to their capacities, there is chances of releases from such medium and minor irrigation projects which may increase the flow in the rivers Tungabhadra, Middle portion of Krishna downstream of Narayanpur Dam as well as in Lower Krishna Rivers. The inflows into Srisailam is likely to continue between 40,000 to 60,000 cusec and may further increase depending on intensity of rainfall. Srisailam is filled up only to 40% of its capacity and is releasing part of the inflow through its power house to Nagarjunasagar which is filled up 60% of its capacity. This spell of rainfall may further increase the storage in these two dams.*

The IMD extended range rainfall forecast for the next 4 weeks is shown below.



The rainfall anomaly (Blue Colour) indicates that most of the Krishna Basin is likely to experience higher than normal rainfall during the next 4 weeks. Accordingly, all project authorities in Krishna Basin may exercise caution and release water as per Standard Operating Procedure and rule curves to avoid any upstream submergence or downstream flooding.

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

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