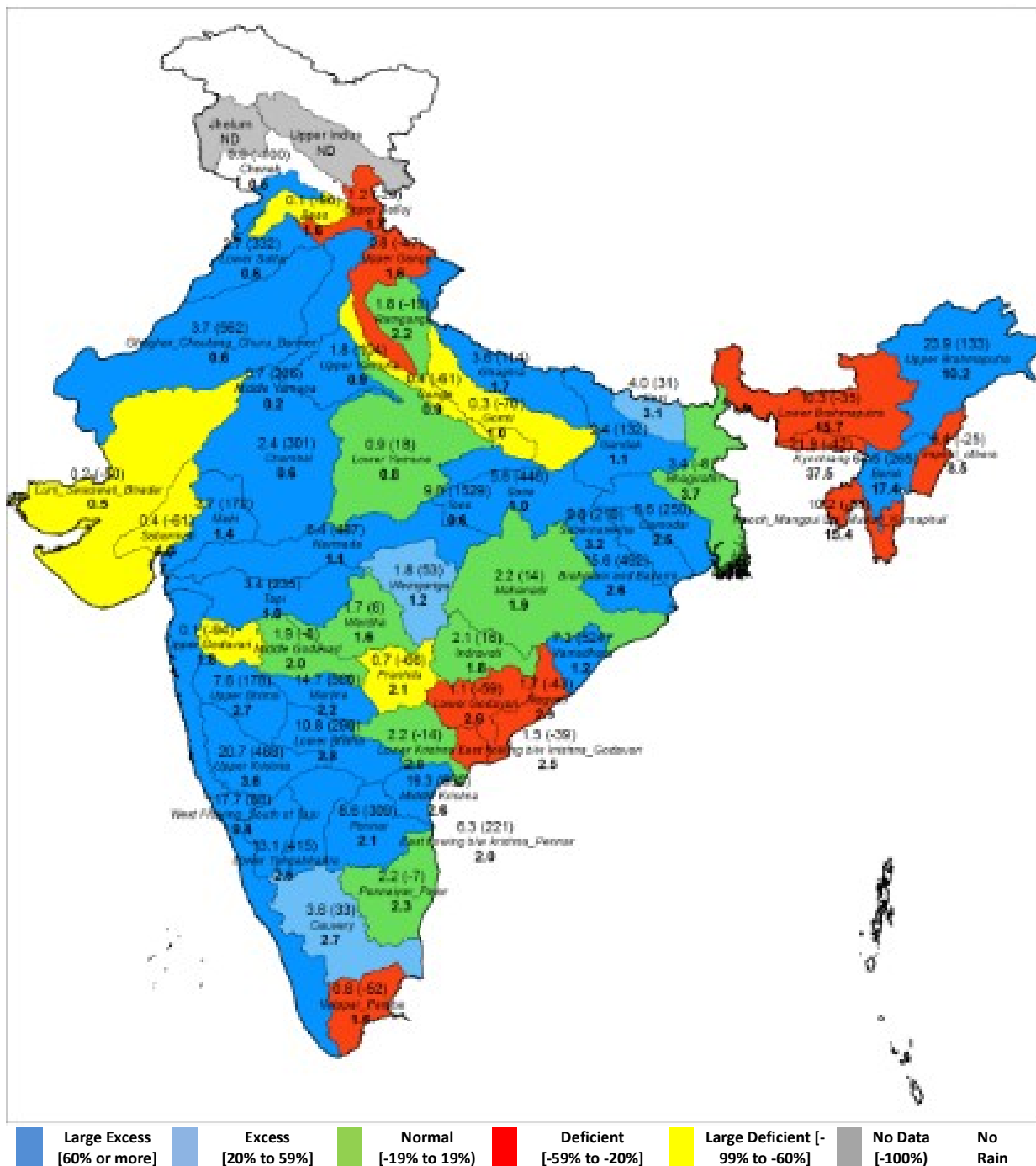




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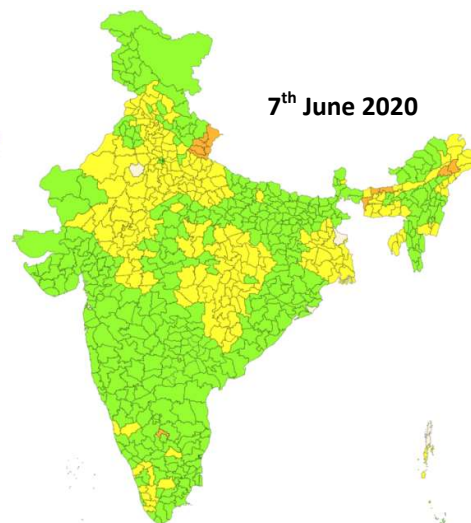
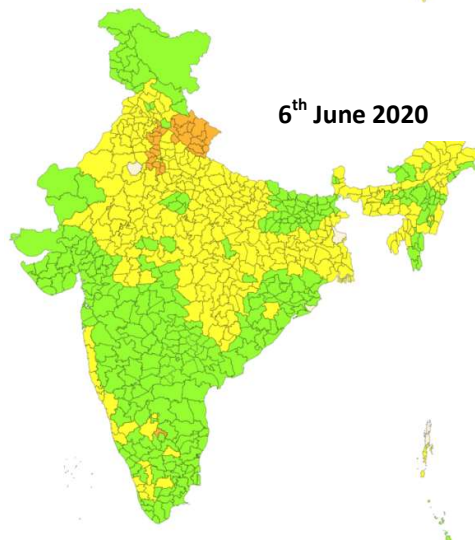
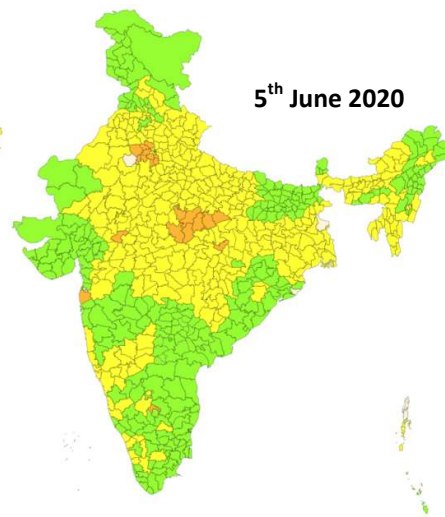
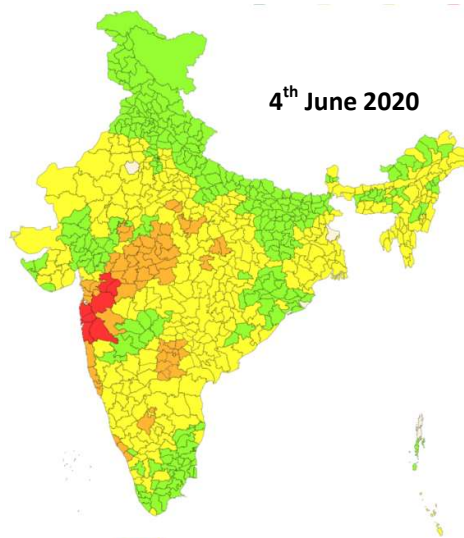
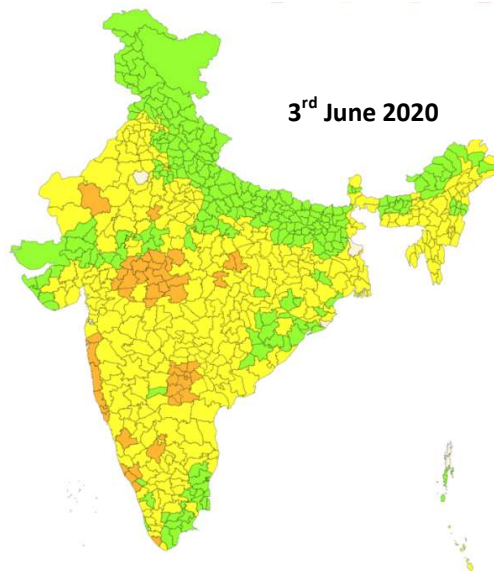
1.0 IMD information

1.1 Basin wise departure from normal rainfall on 2nd June 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 2nd June, 2020 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situation 2nd June, 2020

2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 2nd June 2020, 7 stations are flowing in Above Normal Flood Situation.

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))	0
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	7
Total number of sites above Warning Level (A+B+C)		7
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)		0

Details can be seen in link http://cwc.gov.in/sites/default/files/cfr-cwdfb02062020_5.pdf

2.2 CWC Advisories

2.2.1 Maharashtra, Gujarat, Daman & Diu, Dadra & Nagar Haveli

Due to the rainfall forecast in association with the Cyclonic Storm 'Nisarga', which is likely to intensify into Severe Cyclone and cross the coast as a Severe Cyclonic Storm between North Maharashtra and South Gujarat, there is likelihood of Heavy to Very Heavy rainfall in the Districts of Kozhikode, Kannur, Kasargode in **Kerala**, Kodagu & Shivamogga Districts of **South Interior Karnataka**, South and North Goa in **Goa**, Sindhudurg, Ratnagiri, Thane, Palghar, Thane & Raigad in **Maharashtra** on **3rd June**, Heavy to Very Heavy rain with isolated Extremely Heavy Rainfall in Palghar, Pune, Thane, Raigad, Nasik, Nandurbar & Dhule District in **Maharashtra**, Heavy to Very Heavy rain in the districts of Jalgaon in **Maharashtra**, The Dangs, Navsari, Valsad, Surat in **South Gujarat** alongwith **Daman & Diu and Dadra & Nagar Haveli**, Alirajpur, Dhar, Jhabua, Ujjain, Dewas, Khargone, Khandwa, Betul and Hoshangabad in **West Madhya Pradesh** on **4th June** and Heavy to Very Heavy rain in District of Palghar in **Maharashtra** on **5th June 2020**.

The three day advisories of CWC indicate that there is likelihood of increase in river flow in the river basins of West Flowing Rivers in between Tapi and Tadri, Krishna and its tributaries, Godavari and its tributaries, Tapi and its tributaries from 3rd June onwards. Since most of the rivers are dry, there may be sudden flow in the river. All the activities being undertaken in river channel should be stopped as there is likelihood of sudden rise in water level from dry condition. There may be some increase in inflows into dams in these regions. Since most of the dams in this regions are having storage between 0 and 40% on an average with a highest storage of 50% in Tillari Dam in Kolhapur District in Maharashtra, the forecasted rainfall may increase the storage to some extent in these dams. However watch has to be maintained.

Since there is likelihood of sudden heavy to very heavy rainfall in association with cyclone, there may be chances of flash flooding in West Flowing Rivers between Tapi and Tadri in the Coastal Districts of Ratnagiri, Sindhudurg, Thane, Raigad and Palghar. The traffic movement along Highways and Railways in Konkan Railway, Central railway and Western Railway has to be regulated especially over old road and rail bridges in such cases.

Due to sudden heavy rainfall at the time of crossing of coast, there may be urban flooding like situation in Mumbai and its Sub-urban areas. There may be tidal waves also affecting once the storm nears the city which may not allow easy flow of river water into the seas.

There may be tidal waves in association with the movement of cyclone around the landfall point. Since Damanganga River joins Arabian Sea around Daman area where the cyclone is likely to make land fall, there may be backwater effect due to high tides in association with cyclone which may block the free flow of river water in to the sea. Necessary precautions have to be taken in coastal belt in Daman area.

2.2.2 Assam

Due to very heavy rain which occurred in Barak Basin of Assam in the districts of Silchar, Hailkhandi and Karimganj as well as in catchment area of river Barak in Manipur, there have been reports of flash floods due to drainage congestion and landslides in hill ranges leading to loss of life and damage to property. Since no major rainfall forecast have been indicated in Barak Basin for next 5 days except isolated heavy rainfall, there is no immediate threat of crossing of Danger Level. Some of the flood forecasting stations in Barak Basin may touch very near to Above Normal Flood Situation.

2.2.3 Kerala

Due to Heavy to Very Heavy Rain in Thiruvananthapuram District, there is urban flood like situation in Thiruvananthapuram City and the rivers Paraliyar and Keria rose rapidly in the district. However, they did not cross their Danger Levels. There has been heavy to very heavy rain in Coastal District of Kozhikode, Kannur and Kasargode Districts also. Since this is the first major rainfall no significant effect has been seen on any of the rivers in North Kerala. However watch is to be maintained as further rainfall warning is still continuing for 3rd June also.

2.2.4 Flood Alerted Districts:

Following Districts may be affected by sudden rise in flood waters from 03rd June onwards:

Maharashtra: Sindhudurg, Ratnagiri, Palghar, Thane, Mumbai, Ahmednagar, Aurangabad, Nasik, Jalgaon, Nandurbar & Dhule
Goa: South & North Gujarat
Daman & Diu: Daman
Dadra & Nagar Haveli: Silvassa
Gujarat: Valsad, Navsari, The Dangs, Surat.

Flood Situation in Country on 02.06.2020

