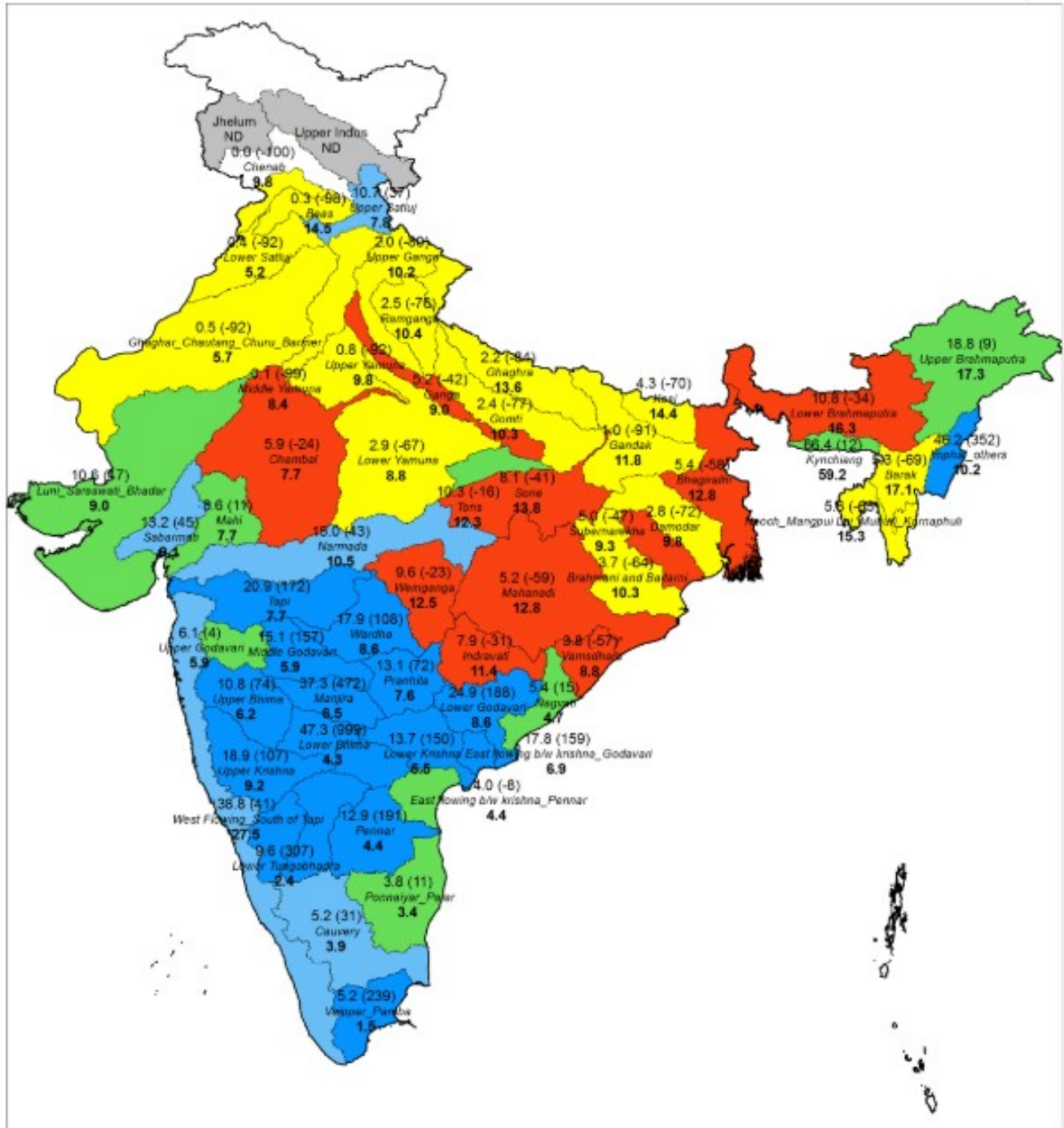




Central Water Commission
Daily Flood Situation Report cum Advisories
16-07-2020

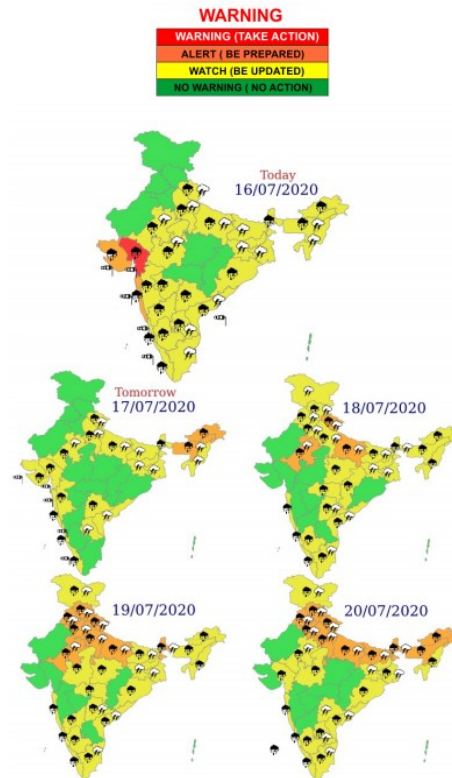
1.0 IMD information

1.1 Basin wise departure from normal rainfall on 16th July 2020



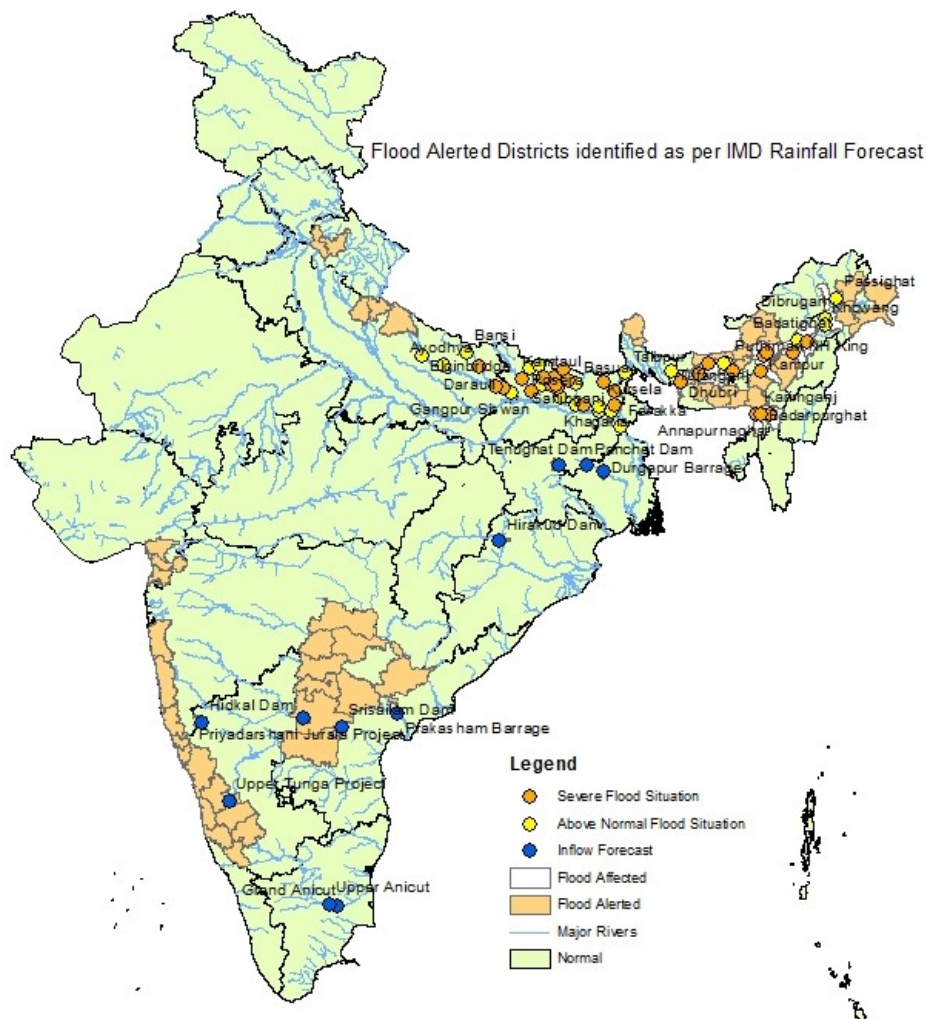
Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
b) Percentage departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 16th July 2020 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situation on 16th July 2020



2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 16th July 2020, 28 stations (14 in Bihar, 12 in Assam and 2 in Uttar Pradesh) are flowing in Severe Flood Situation and 23 stations (10 in Bihar, 6 in Assam, 3 in Uttar Pradesh, 2 in West Bengal, 1 in Jharkhand and 1 in Arunachal Pradesh) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 11 Barrages and Dams (2 in Karnataka, 2 in Tamilnadu, 2 in Jharkhand, 2 in Andhra Pradesh, 1 in Telangana, 1 in Odisha and 1 in West Bengal).

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))	28
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	23
Total number of sites above Warning Level (A+B+C)		51
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

Details can be seen in link http://cwc.gov.in/sites/default/files/cfcr-cwcdfb16072020_5.pdf

2.2 CWC Advisories

- Under the influence of strong lower level wind convergence along south Gujarat and North Konkan and east-west shear zone in mid-tropospheric levels, fairly widespread to widespread rainfall very likely over Gujarat State and Konkan & Goa during next 2 days with heavy to very heavy falls at isolated places very likely over Konkan & Goa on today, the 16th July; over Saurashtra & Kutch on 16th-17th July. Isolated Extremely heavy falls also very likely over Gujarat Region on today, 16th July. Rainfall intensity very likely to decrease thereafter.
- Under the influence of strengthening of lower level easterlies over northwest India and the Monsoon trough, Fairly widespread rainfall with isolated heavy falls is likely over the plains of Northwest India during 16th – 20th July, 2020 with maximum intensity and distribution of rainfall on 18th to 20th July.
- In view of likely shifting of Eastern end of Monsoon trough towards foothills of Himalayas from 19th July, fairly widespread to widespread rainfall with isolated heavy to very heavy falls is likely over Northeast & adjoining East India with from 19th July onwards. Isolated Extremely heavy falls also very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya on 20th July.

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

2.2.1 Maharashtra & Goa

Heavy to Very Heavy at few places with extremely heavy rainfall at isolated places are likely in Palghar, Raigad, Sindhudurg and Ratnagiri Districts, leading to rise in Water Levels of Rivers in these Districts. As the rainfall of higher intensity is likely to continue for at least 1-2 days, there is likelihood of rise in Rivers along the West Coast in Maharashtra & Goa in the Districts of South & North Goa, Sindhudurg, Ratnagiri, Palghar, and Raigad Districts. Since most of the dams in the region have storage of the order of 30 to 65% of their Full capacity, the present rainfall may aid in increase of storage and there is no likelihood of any spill from any reservoir in this spell of rain. However, **Tillari Dam in Kolhapur District has been filled upto 80% of its Full Capacity. Since heavy rain has been predicted in its catchment, releases as per standard operation procedure should be made from this project.** Further, there is likelihood of rise in Water Levels of Krishna & its tributaries in the Districts of Pune & Satara during the next 1-2 days. However, as most of the dams in this region are having only 35-65% of their Full Capacity, no major threat of spilling is anticipated.

2.2.2 Karnataka, Telangana & Andhra Pradesh

Due to ongoing very heavy rainfall in the Districts of Dakshina Kannada, Udupi and Uttara Kannada in association with active monsoon conditions and likelihood of same intensity rainfall persisting for the next 2 days, there is likelihood of rise in water levels in rivers such as Netravathi, Aghanashini and Haladi in above Districts. However, most of the dams in this reach such as Linganamakki, Supa and Varahi are having only 15-25% of their full capacity, this rain may help in increasing the storage of these reservoirs and no major spillage is expected.

Almatti Dam on river Krishna in Vijayapura District is presently getting reduced inflows as the effect of rainfall in Madhya Maharashtra has reduced. However, since intensity of rainfall is likely to rise from 16th July onwards, there is likelihood of increase in inflows during the next 5 days. Reservoir Operation as per latest rule curves may have to be continued as is being done presently to avoid any downstream flooding and upstream submergence. As on date Almatti Dam is having storage of 73% and Narayanpur Dam is having storage of 90%. The excess inflows likely to be received due to forecasted rainfall should accordingly be regulated and released as per rule curves of both the dams.

Due to ongoing very heavy rainfall in Lower Bhima basin in the Districts of Kalaburagi and Yadgir in Karnataka and in the Districts of Vikarabad, Sangareddy, Siddipet Districts in Telangana, river Bhima and its tributaries are rising and they are contributing to river Krishna. 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. Since rainfall is expected to continue for one more day, this flow is likely to continue for one more day before reducing.

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 including those on **Konkan Railway** 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.

3. Flood Affected Districts

Assam: Cachar, Golaghat, Sonitpur, Goalpara, Karimganj, Dhubri, Jorhat, Kamrup, Nagaon, Barpeta
Bihar: Madhubani, Araria, Siwan, Darbhanga, Muzaffarpur, Purnia, Katihar, Khagaria, Sitamarhi, Gopalganj
Uttar Pradesh: Gorakhpur, Ballia

4. Flood Alerted Districts

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