



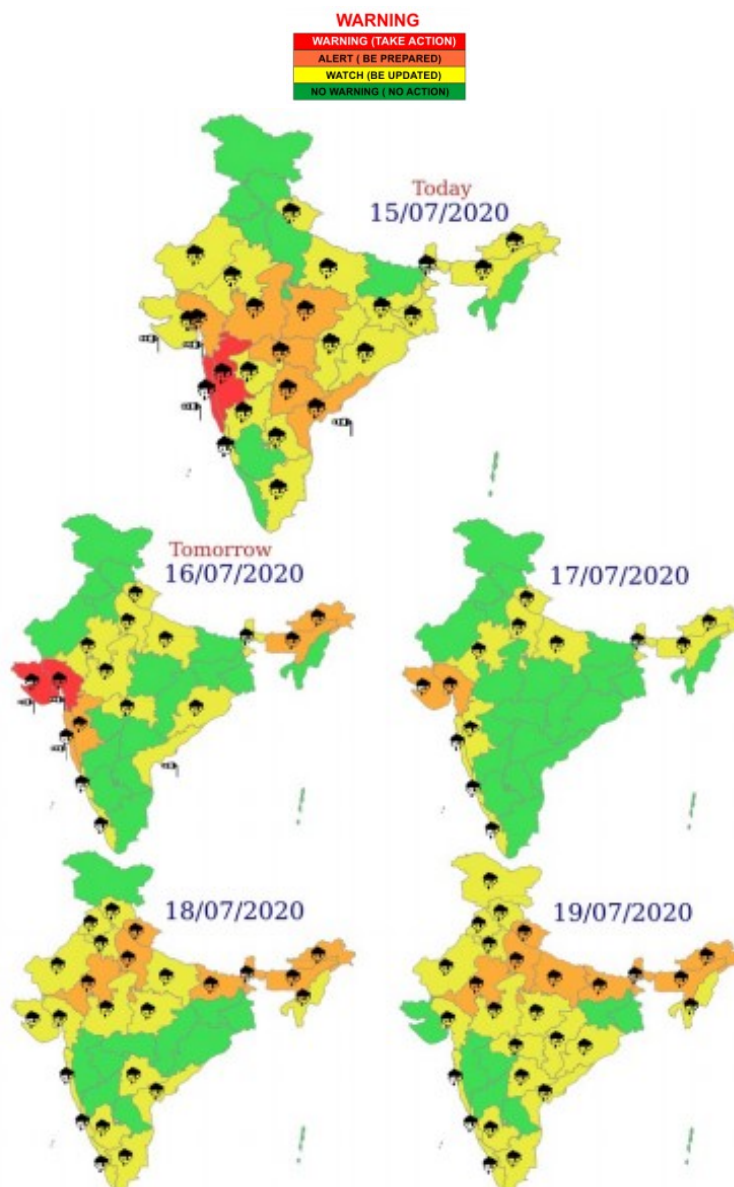
Central Water Commission
Daily Flood Situation Report cum Advisories
15-07-2020

1.0 IMD information

1.1 Amount of rainfall recorded at 0830 hours IST of today (8cm or more) as per IMD

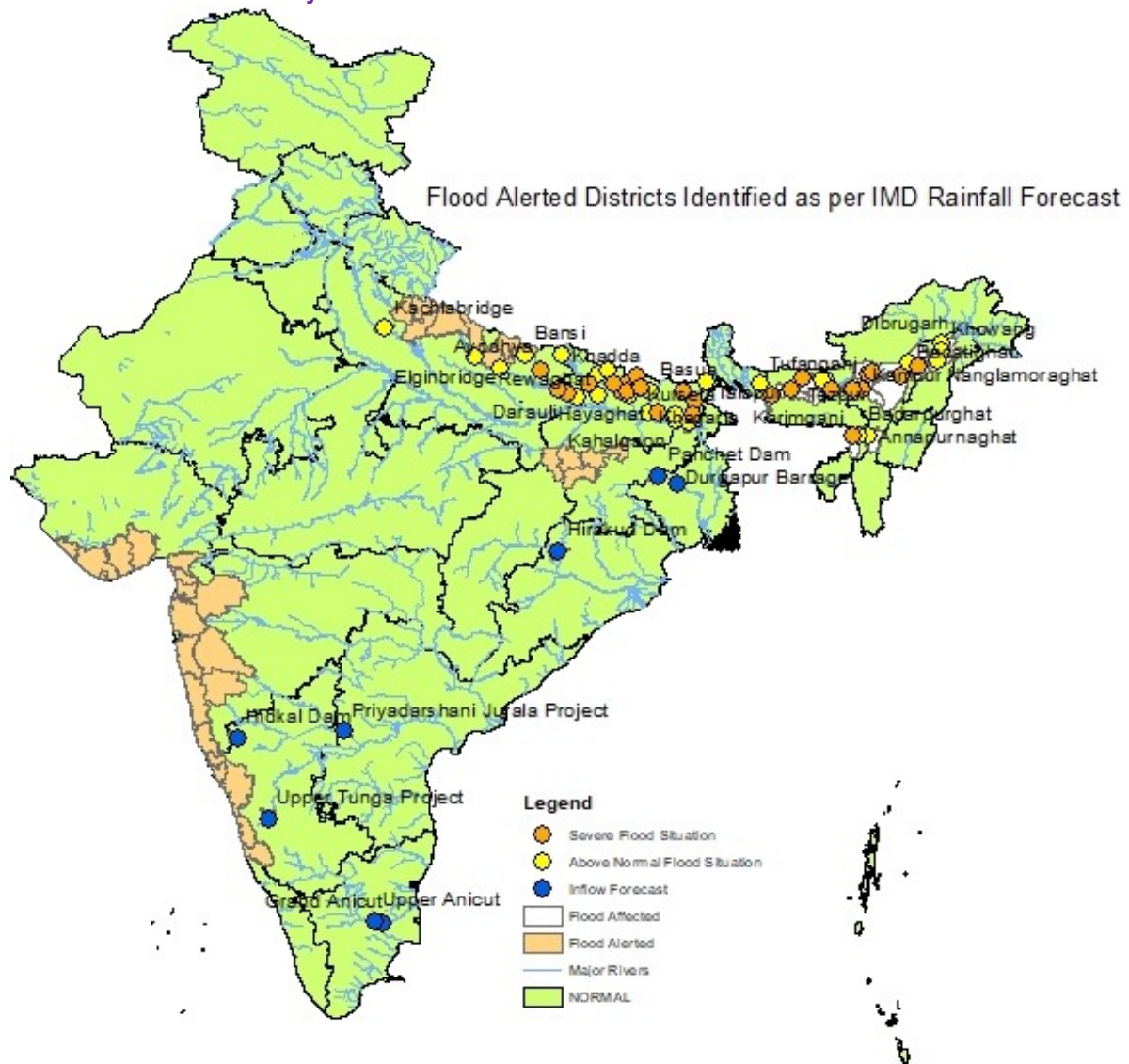
Name of Place (State)	Rainfall (in cm)
Dahanu (Maharashtra), Bichiya & Dhindori (MP)	13 each
Alibag, Malvan, Dapoli & Colaba (Maharashtra), Khanapur & Bheemini (Telangana)	12 each
Jalalpor (Gujarat), Rameshwar (Maharashtra)	11 each
Ratnagiri & Santa Cruz (Maharashtra), Mulug (Telangana)	10 each
Surat (Gujarat), Vengurla, Harnai & Khed (Maharashtra), Veeraghattam (Andhra Pradesh), Narsampat (Telangana), Amarpuri (MP)	9 each
Murud, Sawantwadi, Mandangad, Shrivardhan, Devgad, Lanja, Chiplun, Mehesla, Sudhagarh & Poladpur (Maharashtra), Palakoderu (Andhra Pradesh), Ranjit Sagar Dam (Punjab)	8 each
Navsari & Choryasi (Gujarat), Gaganbawda, Shevgaon, Pathardi (Maharashtra), Lower Anicut (TN), Bheemavaram, Balajipeta, Guntur & Macherala (Andhra Pradesh), Dhumakoot (Uttarakhand), Gorakhpur, Bansgaon & Regoli (Uttar Pradesh)	7 each

1.2 Rainfall forecast for next 5 days issued on 15th July 2020 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situation on 15th July 2020



2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 15th July 2020, 25 stations (12 in Bihar, 11 in Assam and 2 in Uttar Pradesh) are flowing in Severe Flood Situation and 27 stations (10 in Bihar, 9 in Assam, 5 in Uttar Pradesh, 1 in West Bengal, 1 in Jharkhand and 1 in Arunachal Pradesh) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 8 Barrages and Dams (2 in Karnataka, 2 in Tamilnadu, 1 in Telangana, 1 in Odisha, 1 in Jharkhand and 1 in West Bengal).

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))	25
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	27
Total number of sites above Warning Level (A+B+C)		52
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/cfcr-cwcdfb15072020_5.pdf

2.2 CWC Advisories

- Under the influence of strong lower level wind convergence along the West coast and east-west shear zone in mid-tropospheric levels; a) Fairly widespread to widespread rainfall very likely over Konkan & Goa, Madhya Maharashtra and Gujarat State during next 5 days. b) Heavy to very heavy falls at a few places very likely over Konkan & Goa and Madhya Maharashtra during next 24 hours; at isolated places on 16th and over Gujarat State during next 3 days. Isolated Extremely heavy falls also very likely over Konkan & Goa and Madhya Maharashtra during next 24 hours and over Gujarat State on 16th. Rainfall intensity very likely to decrease significantly thereafter.
- Under the influence of strengthening of lower level easterlies and the Monsoon trough: a) Fairly widespread rainfall with isolated heavy falls is likely over the plains of Northwest India during 16-19 July, 2020 with maximum intensity and distribution of rainfall on 18th & 19th July. b) Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are likely over Madhya Pradesh and Vidarbha during next 24 hours.

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

2.2.1 Gujarat

Due to the forecasted heavy to very heavy with isolated Extremely Heavy rainfall in Saurashtra and Kutch in the Districts of Porbandar, Junagarh, Gir Somnath, Bhavnagar, Amreli, Rajkot, Valsad, Surat, Tapi, many of the small rivers and projects in Saurashtra may get increased inflows and significant increase in their storages during next 2 days. Dams Kanakavati, Fatehgadh, Kalaghogha in Kachchh District, Dhatarvadi Dam in Amreli District, Sasoi, Fulzar, Dia-Minsar, Puna, Ruparel, Und in Jamnagar District, Vartu, Gadhaki, Sindhani, Kalbarka, Veradi, Minsar in Dev Bhoomi Dwarka District, Kalindri and Advania in Porbandar District and Moj, Veri in Rajkot District have attained their full capacity during the earlier spell of rainfall. Accordingly, **these dams have to release in advance to create some flood cushion** for the forecasted spell of rainfall which is likely to extend by 2-3 days during this week.

2.2.2 Maharashtra & Goa

Heavy to Very Heavy at few places with extremely heavy rainfall at isolated places are likely in Palghar, Thane, Pune, Satara, Nasik, Suburban Mumbai, 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 2-3 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, Thane 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.** There is likelihood of isolated extremely heavy rains in the districts of Nasik, Pune, Satara in the Western Ghat Areas. Due to this there is likelihood of rapid rise in water levels in Damanganga and its tributaries in Nasik District of Maharashtra, as well as in UT Dadra & Nagarhaveli and Daman. Further, there is likelihood of rise in Water Levels of Krishna & its tributaries in the Districts of Pune & Satara during the next 3-4 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. **There is also a possibility of Urban Flooding like situation in some parts of Mumbai City and its suburban areas due to ongoing rainfall.** Since there is likelihood of sudden rise in water levels in association with very heavy rains along with forecasted High waves in the range of 3.5 - 3.7 meters during 17:30 hours on 15-07-2020 to 23:30 hours of 17-07-2020 along the coast of Maharashtra from Malvan to Vasai. Accordingly, there may be tidal effect which may also increase the flooding in coastal zones of Mumbai.

2.2.3 Karnataka

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 15th 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 71% 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.

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

4. Flood Alerted Districts

Gujarat: Districts along small rivers in Saurashtra as well as in Damanganga in Valsad District
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