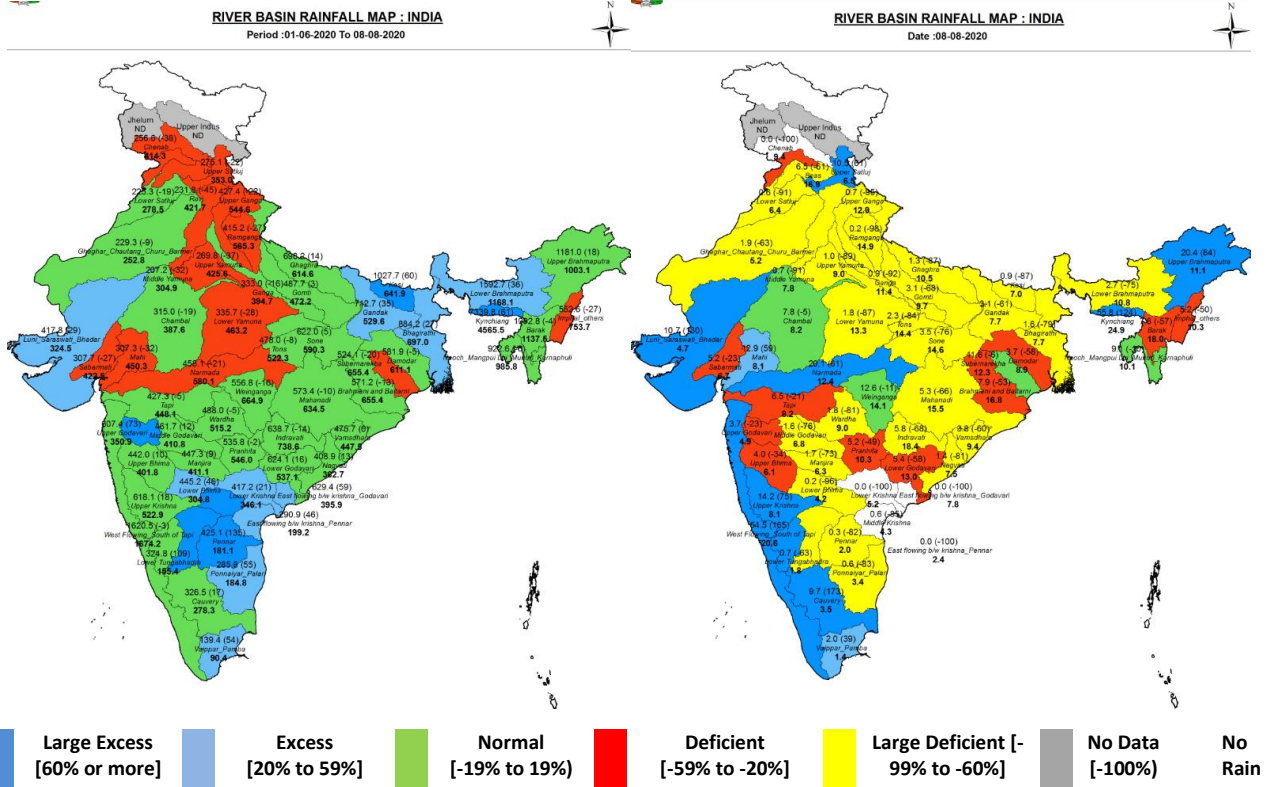




Central Water Commission
Daily Flood Situation Report cum Advisories
08-08-2020

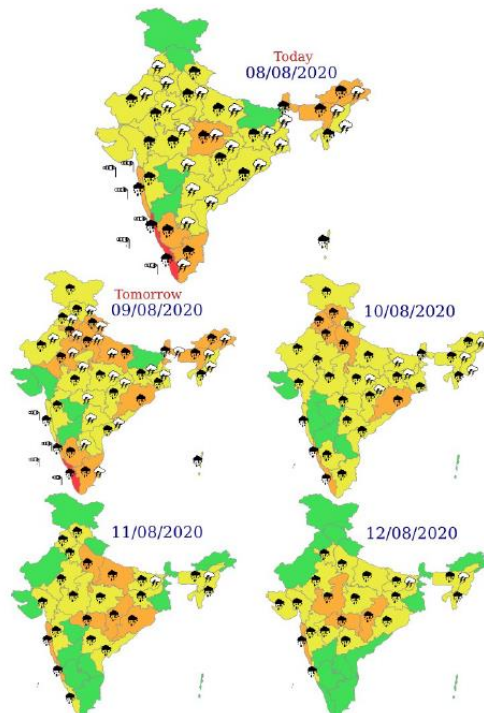
1.0 IMD information

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 8th August 2020 (Midday) by IMD



2.0 CWC inferences

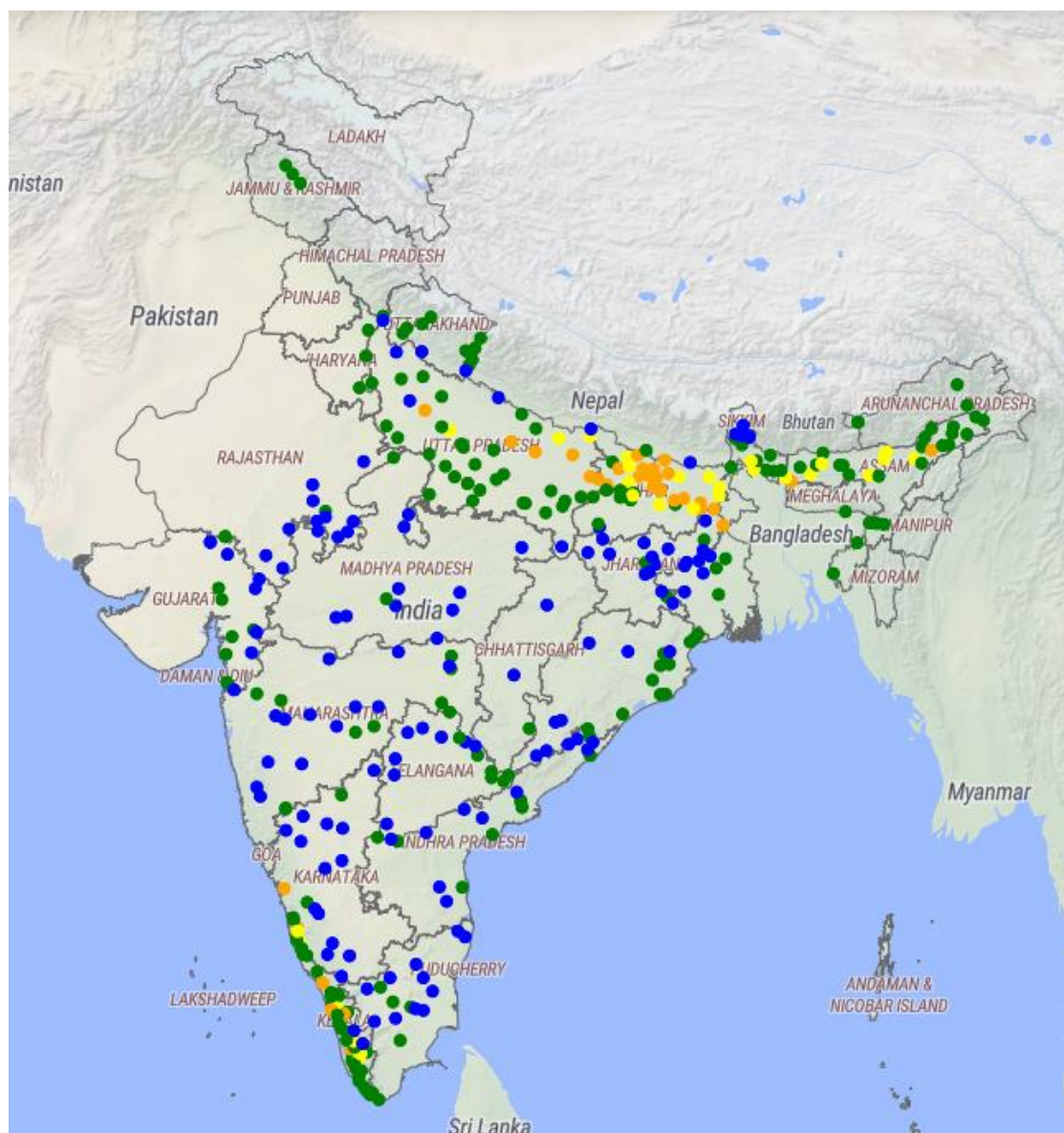
2.1 Flood Situation on 1st August 2020

On 8th August 2020, 30 Stations (2 in Assam, 18 in Bihar, 3 in Uttar Pradesh, 3 in Kerala, 2 in Karnataka, 1 in Jharkhand and 1 in West Bengal) are flowing in Severe Flood Situation and 30 stations (5 in Assam, 8 in Bihar, 5 in Karnataka, 8 in Kerala and 4 in Uttar Pradesh) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 25 Barrages and Dams (Karnataka 12, 2 each in Tamil Nadu, Jharkhand, Telangana and West Bengal, 1 each in Uttar Pradesh, Madhya Pradesh, Andhra Pradesh, Odisha and Kerala).

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))	30
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	30
Total number of sites above Warning Level (A+B+C)		60
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)		25

Details can be seen in link :- http://cwc.gov.in/sites/default/files/dfb202008082020_5.pdf

2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network



2.2 CWC Advisories

- Scattered heavy to very heavy rainfall with isolated extremely heavy falls very likely to continue over Kerala & Mahe during next 24 hrs and isolated heavy to very heavy rainfall with isolated extremely heavy falls likely during subsequent 24 hours.
- Isolated heavy to very heavy falls very likely over Coastal & South Interior Karnataka and Tamilnadu during next 2-3 days. Isolated extremely heavy falls also likely over South Interior & Coastal Karnataka and ghat sections of Tamilnadu during next 24 hours.
- Rainfall activity over northwest India likely to increase from 9th August onwards with heavy to very heavy rainfall at isolated places very likely over Western Himalayan region and adjoining plains during 9th to 11th August 2020.
- A low-pressure area is likely to form over North & adjoining West-central Bay of Bengal by tomorrow, the 9th August, 2020. Under its influence, rainfall activity likely to increase over east & adjoining parts of central India with heavy to very heavy rainfall over Odisha during 9th to 11th and over Vidarbha & Chhattisgarh during 10th to 12th August. Isolated extremely heavy falls also likely over Odisha on 10th August 2020.

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

2.2.1 West Coast & Ghat Area along West Coast

Karnataka, Telangana, Andhra Pradesh & Tamilnadu

Due to continuous extremely heavy rainfall in the source regions of Cauvery, Harangi and Kabini, there was rapid rise in water levels in these rivers. River Cauvery at Napoklu in Kodagu District of Karnataka flowed in Extreme Flood Situation from 1800 hrs of 7th August to 1600 hrs of 8th August 2020. It is now falling. River Cauvery at Kudige in Kodagu District is flowing in Severe Flood Situation and has started falling very slowly. River Kabini at Muthenkara in Wayanadu District of Kerala also rose and has started falling from today morning. River Hemavathi at Sakleshpur in Hassan District also rose sharply and touched its peak today morning and has started falling slowly.

Kabini Dam got a peak discharge of around 2000 cumec which was released as the dam was having storage of more than 80%. Harangi Dam in Kodagu District got peak inflow of around 400 cumec and as it was near FRL released entire quantum to downstream. Hemavathi Dam in Hassan District also got heavy inflows and released significantly. Krishna Raja Sagar Dam. Due to combined effect of Harangi, Hemavathi and main river Cauvery, Krishna Raja Sagar Dam in Mandya District is likely to get an inflow 3000 cumec. Since Krishna Raja Sagar Dam is also filled upto 80% of its capacity excess water is being released downstream to Tamilnadu. Due to the releases from Kabini and Cauvery, river Kabini at confluence with Cauvery at T. Narsipur in Mysuru District is flowing in Severe Flood Situation and river Cauvery at Kollegal in Chamarajanagar District is also flowing in Severe Flood Situation. The flow is likely to enter Tamilnadu through Dharmapuri and Salem District into Mettur Dam.

Bhavanisagar Dam on river Bhavani is within 0.54 m of its FRL. Presently inflows has reduced. However, in view of the forecast of heavy rain in its catchment for next 2 days close watch is to be maintained and any release have to be done with advance information to all downstream areas/

Since rainfall is expected to continue but with reduced intensity, the flood situation may continue for another 2-3 days. Close watch is to be maintained.

River Tungabhadra is also flowing in Above Normal Situation at Shivamogga in Shivamogga District and the TB Dam in Ballari District is getting inflow of around 2800 cumec. Since dam is only 50% filled no spillage is expected.

Due to river flows from upstream areas of river Krishna, Almatti Dam and Narayanpur Dam are getting heavy inflows and since these dams are filled around 80% of the capacity, both the dams are releasing the excess flow. This is being realized at P D Jurala and Srisailem Dams in Telangana and Andhra Pradesh respectively.

It is advised that close watch has to be maintained for increased inflows likely during the next 2-3 days in view of the heavy rainfall warning. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure.

Kerala

Due to continuing extremely heavy rain in many of the districts of Kerala, rivers Periyar, Pamba, Bharathapuzha, Kuttayadi flowed in Severe Flood Situation but has started falling slowly, Since rainfall is expected to continue with reduced intensity, the flood situation in these rivers are expected to continue in Above Normal to Severe Flood Situation. Idukki and Edamalayar Dam also received heavy inflows in the last two days. However only 50% of the capacity is filled in these two reservoirs, no spillage is expected.

2.2.2 Bihar, Jharkhand and Gangetic West Bengal

Many of the rivers in Bihar continues to flow in Severe to Above Normal Flood Situation with falling trend. The situation will continue for another 3-4 days.

Impact Based Actions

Strict vigil is to be maintained in all the above States & Districts for next 4-5 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. Submergence of low-level cause ways along rivers and railway tracks along flashy rivers is to be monitored closely especially along western ghat areas. 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

Karnataka: Kodagu, Hassan, Chikmagalur, Shivamogga, Uttara Kannada, Udupi and Dakshina Kannada

Kerala: Wayanad, Idukki, Pathanamthitta, Palakkad, Kozhikode

4. Flood Alerted Districts

Karnataka: Districts along West Flowing Rivers, Cauvery & its tributaries, Tungabhadra & its tributaries

Kerala: Districts along river Periyar, Bharathapuzha, Pamba, Kabini, Valapatnam, Kuttayadi