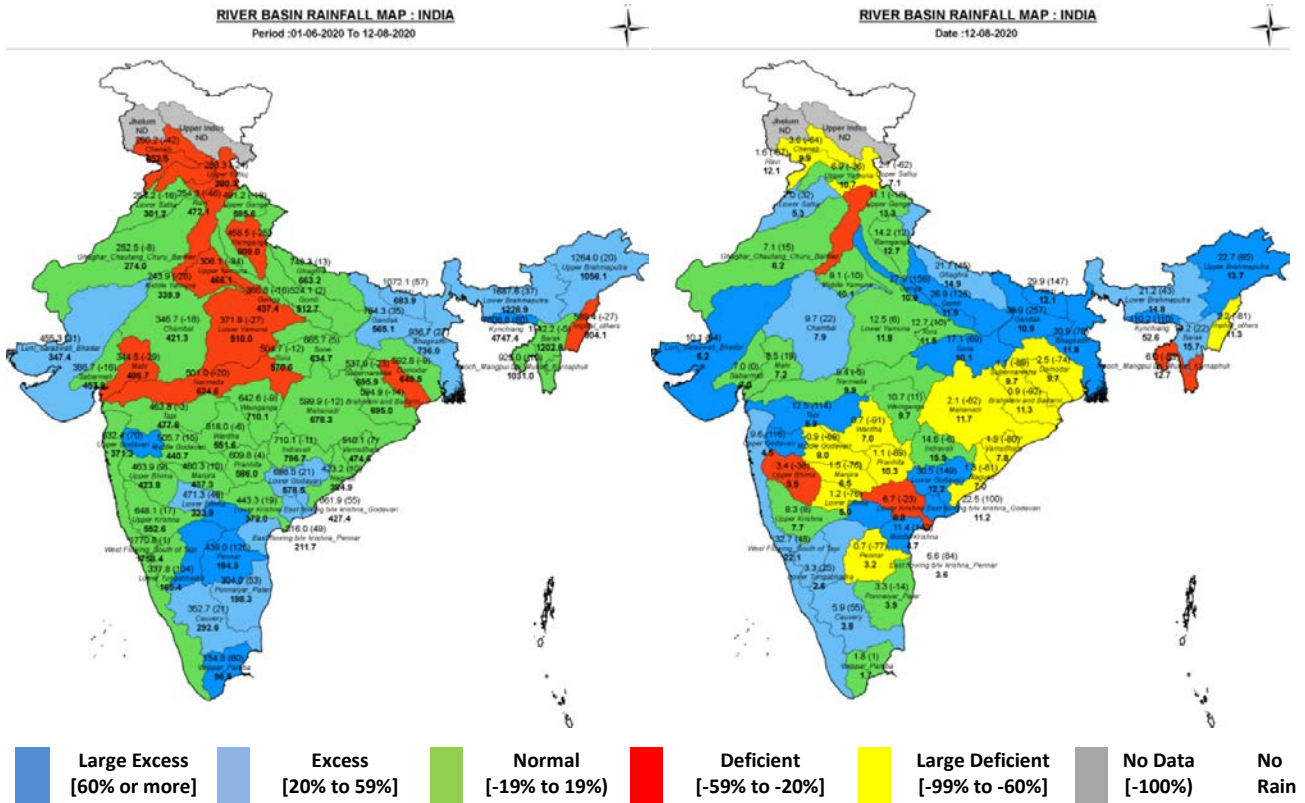




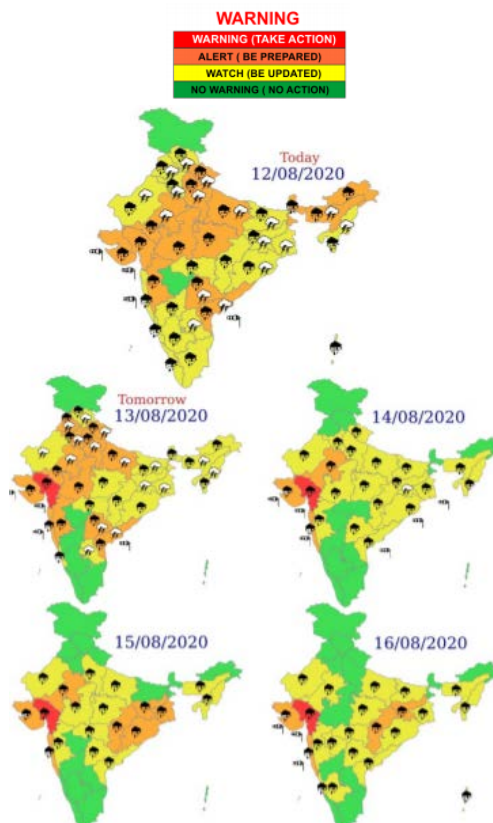
Central Water Commission
Daily Flood Situation Report cum Advisories
12-08-2020

1.0 IMD information

1.1 Basin wise departure from normal of cumulative and daily rainfall



1.2 Rainfall forecast for next 5 days issued on 12th August 2020 (Midday) by IMD



2.0 CWC inferences

2.1 Flood Situation on 12th August 2020

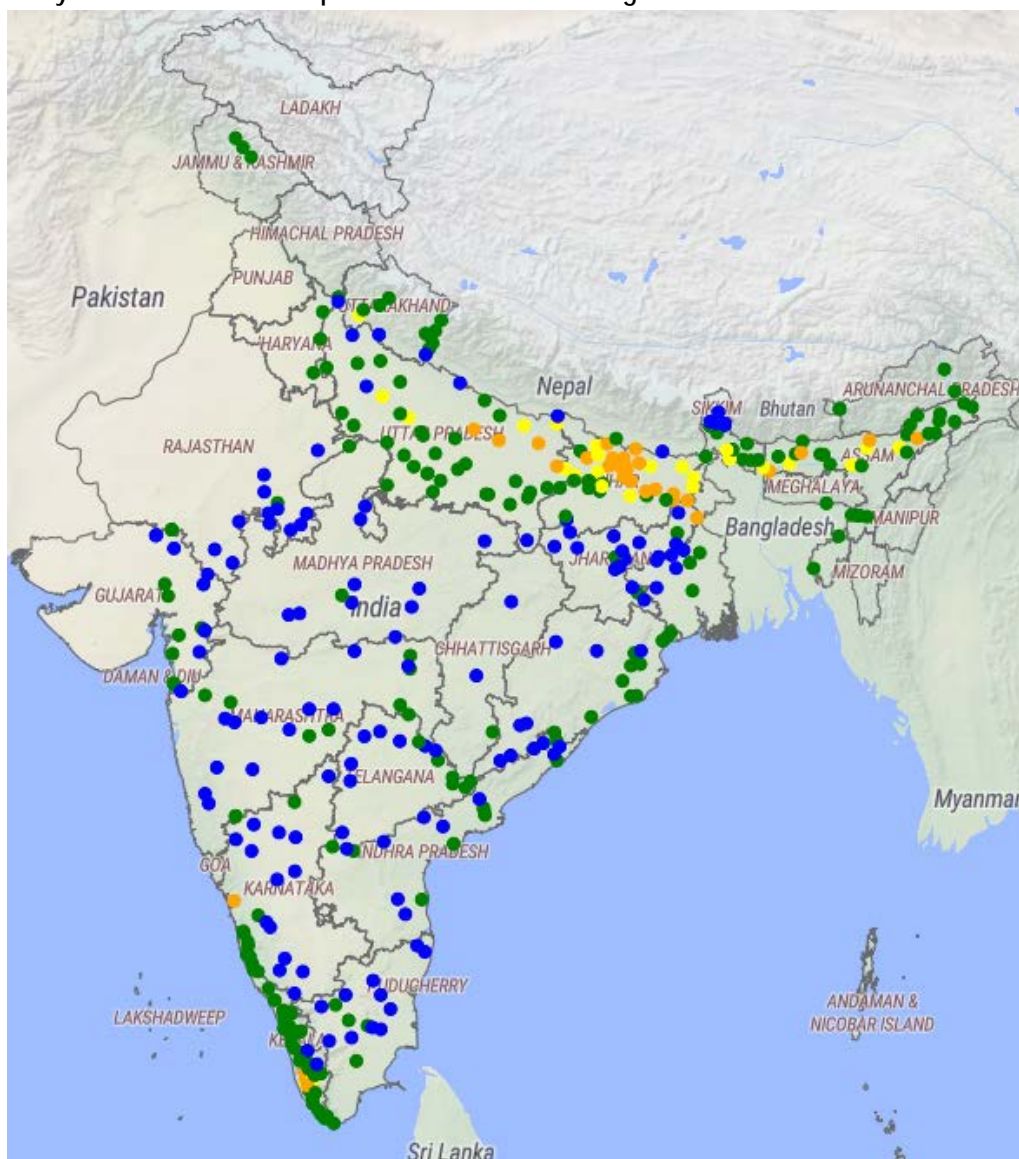
2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 12th August 2020, 22 Stations (3 in Assam, 13 in Bihar, 4 in Uttar Pradesh, 1 each in Jharkhand and West Bengal) are flowing in Severe Flood Situation and 26 stations (6 in Assam, 12 in Bihar, 4 in Uttar Pradesh, 2 in Karnataka, 1 each in Arunachal Pradesh and West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 22 Barrages and Dams (10 in Karnataka, 3 in Tamilnadu, 2 in Uttar Pradesh and 1 each in Andhra Pradesh, Jharkhand, Madhya Pradesh, Odisha, Telangana, Uttarakhand and 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))	22
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	26
Total number of sites above Warning Level (A+B+C)		48
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)		22

Details can be seen in link :-http://cwc.gov.in/sites/default/files/dfb202012082020_5.pdf

2.1.1 Summary of Flood Situation as per CWC Flood Forecasting Network



2.2 CWC Advisories

- Fairly widespread to widespread rainfall with heavy to very heavy falls at isolated places very likely over major parts of northwest India (Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh) during next 2-3 days.
- Fairly widespread to widespread rainfall with heavy to very heavy falls at isolated places very likely over Gujarat state, East Rajasthan and parts of central India during 12th - 15th August. Isolated extremely heavy falls also likely over Gujarat state & East Rajasthan and isolated heavy to very heavy falls over northern parts of Konkan & Goa during 13th - 15th August.

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

2.2.1 Gujarat, Maharashtra

Extremely heavy rainfall has been forecasted in the basins of Lower Mahi, Lower Narmada, Lower Tapi, Damanganga and Heavy to Very Heavy rain has been forecasted in Northern Konkan in West Flowing Rivers in the Districts of Thane, Palgarh and Raigad. There is likelihood of rise in Water Levels in the above basins in Gujarat and North Konkan areas of Maharashtra. Rivers Narmada, Tapi, Damanganga are likely to rise rapidly in association with rains forecasted for next 4 days.

Madhuban Dam in Valsad District is having a storage of 66% and is likely to get heavy inflows due to the forecasted rainfall. Close watch is to be maintained and releases if any has to be done with due care and after informing all downstream districts including Union Territories of Daman.

Other Dams in this region such as Kadana Dam on river Mahi, Panam Dam on river Panam, Sardar Sarovar Dam on river Narmada, Ukai Dam on river Tapi have storage of 31%, 36%, 51% and 67.6% storage. Due to forecast of extremely heavy rain in their catchment, there is likelihood of sudden rise in inflows which may have to be regulated properly following the rule curves and Standard Operating Procedures (SOP) after informing all downstream Districts well in advance.

Dams such as Dantiwada (2% filled), Sipu (2% filled) and Dharoi (37% filled) did not get any major rainfall spells in their catchment so far this season and hence the rainfall which is forecasted now may help in adding to the storage in these reservoirs and no spillage is expected.

Forecast of heavy to very heavy rains in Northern Konkan coast of Maharashtra may result in rise of water levels in the West Flowing Rivers between Tapi and Tadri. Necessary precautions have to be taken in Road and Rail Bridges which pass through these areas as they are prone to submergence. Care should be taken to regulate road and rail traffic to avoid any incidents in Northern Konkan Districts of Thane, Palgarh and Raigad.

Mumbai and its suburban areas are likely to get heavy to very heavy rainfall for next 3-4 days due to which there may be a low to moderate level risk of Urban Flooding Situation.

2.2.2 Rajasthan & Madhya Pradesh

Due to forecast of heavy to very heavy rainfall in East Rajasthan and West Madhya Pradesh for next 3-4 days, there is likelihood of rise in Water Levels in rivers such as Chambal, Mahi, Sabarmati, Kalisindh, Banas (both East and West Flowing), etc. Most of the dams in these rivers are having storage between 35 to 70%, care should be exercised to monitor the situation very closely. Releases if any has to be done after advance information to all concerned downstream districts and lower riparian States.

2.2.3 Himachal Pradesh, Punjab, Haryana, Uttarakhand, Uttar Pradesh

Due to forecast of heavy to very heavy rainfall in these States, there is likelihood of rise in Water Levels in rivers such as Sutlej, Ravi, Beas, Ghaggar, Yamuna, Bhagirathi, Alaknanda, Ganga, Ramganga, Sarada, Sarju, Ghaghra. There is likelihood of flash floods in some of the hill districts in these states in association with cloud burst. Necessary precautions have to be taken for possible landslides and blockages of river flows due to landslides in high ranges of these states.

2.2.4 Karnataka, Telangana, Andhra Pradesh & Tamilnadu

There was a slight increase in rainfall today over Kabini and adjoining Upper Cauvery and Hemavathi Basins in Cauvery Basin. Due to continuous inflows from the previous spell of rainfall, most of the dams have reached very close to 90-97% storage. Any local rainfall in association with convective activity may also help in adding to the flow in these basins. Round the clock watch has to be maintained for proper reservoir operation and information to all downstream Districts as well as to lower riparian States well in advance. Heavy rainfall forecast has been given for today as well as for 16th August 2020. The releases from Kabini and Krishna Raja Sagar through river are becoming inflows into Mettur Dam which is likely to get slow inflows for next 3-4 days. However it is much below its FRL.

Most of the dams in Krishna Basin are also having storage between 80 to 92%. Hidkal Dam on River Ghataprabha is filled to 95% of its full capacity and hence close watch has to be maintained for any increased inflows likely during the next 2-3 days.

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 90 to 92% of the capacity, both the dams are releasing the excess flow. There is forecast of heavy to very heavy rainfall in Madhya Maharashtra for next 2 days and heavy rainfall is expected for remaining 3 days in the Districts of Satara and Kolhapur. Due to this there is likelihood of rise in water levels in Upper Krishna Basin in the upstream of Almatti Dam. Close watch is to be maintained for any releases from all the dams in the basin as well as for proper gate operation following SOP.

River Godavari is also getting good flows due to rain in Chhattisgarh, Maharashtra and Telangana. Laxmi Barrage on river Godavari is getting inflows of around 10000 cumec and Polavaram project in Andhra Pradesh is getting around 11000 cumec with increasing trend. There is forecast of heavy to very heavy rainfall in Telangana and Andhra Pradesh also for next 2 days. Close watch is to be maintained.

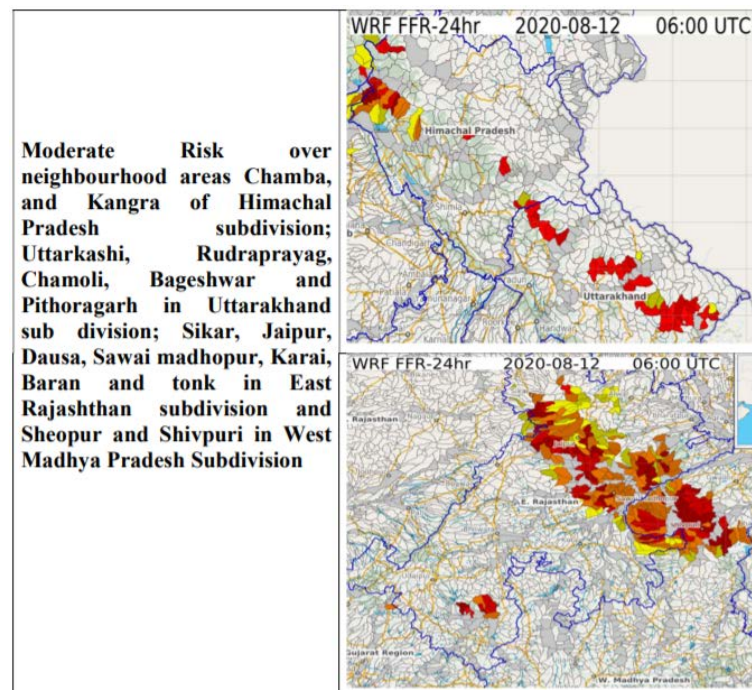
It is advised that close watch has to be maintained for increased inflows likely during the next 2-3 days. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure.

2.2.5 Bihar, Jharkhand and Gangetic West Bengal

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

2.2.6 Flash Flood Guidance

Flash Flood Guidance for next 24 hours as issued by IMD is appended.



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 Covid-19 situation in relief camps being set up in these districts.

3. Flood Affected Districts

Bihar: Araria, Katihar, Darbhanga, Khagaria, Sitamarhi, Muzaffarpur, Samastipur, Bhagalpur, Gopalganj
Karnataka: Kodagu, Hassan, Chikmagalur, Shivamogga, Uttara Kannada, Udupi and Dakshina Kannada
Kerala: Wayanad, Idukki, Pathanamthitta, Palakkad, Kozhikode, Kottayam, Thrissur

4. Flood Alerted Districts

Gujarat: Districts along Narmada, Tapi, Damanganga, Mahi
Madhya Pradesh: Districts along Narmada and Upper Chambal
Rajasthan: Districts along Chambal and its tributaries.
Maharashtra: Districts along West Flowing Rivers in Thane, Godavari, Damanganga, Krishna & its tributaries
Telangana: Districts along Godavari
Chhattisgarh: Districts along Indravathi and its tributaries.
Himachal Pradesh: Flash flood and Landslides
Uttarakhand: Flash Flood and Landslides