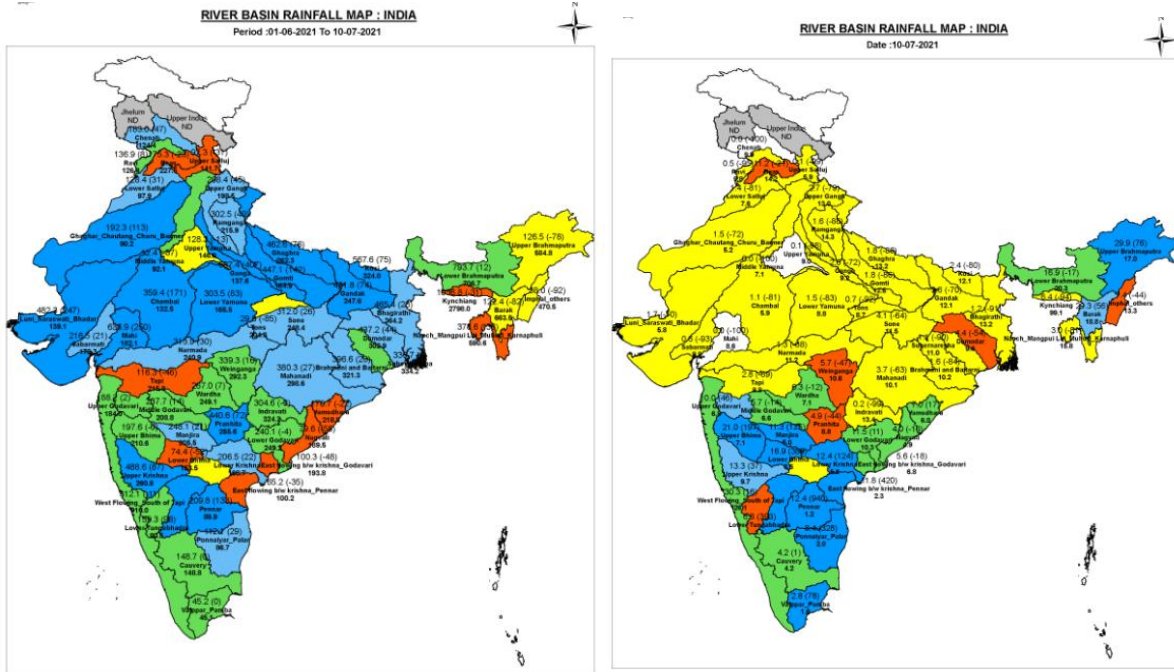




Central Water Commission
Daily Flood Situation Report cum Advisories
10-07-2021

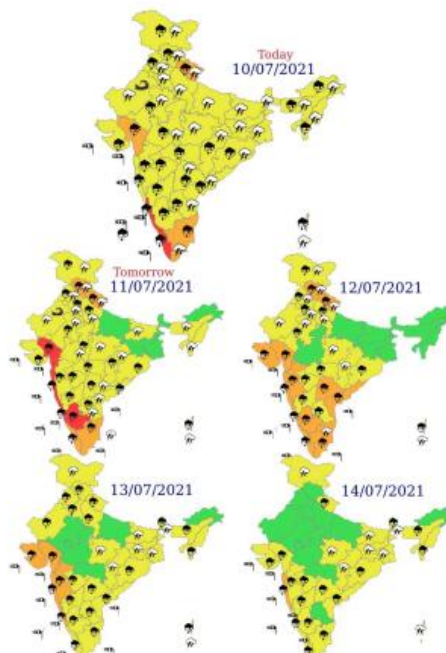
1.0 Rainfall Situation

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 10th July, 2021 (Midday) by IMD



- Fairly widespread to widespread rainfall with isolated heavy to very heavy falls along the west coast and adjoining Peninsular India very likely to continue during next 5 days.

- Isolated extremely heavy falls very likely over Gujarat region on 11th; Konkan & Goa during 11th-14th; over ghat areas of Madhya Maharashtra on 12th-14th; coastal & south interior Karnataka during 11th-12th and over Kerala on 10th July, 2021.

2.0 Flood Situation and Advisories

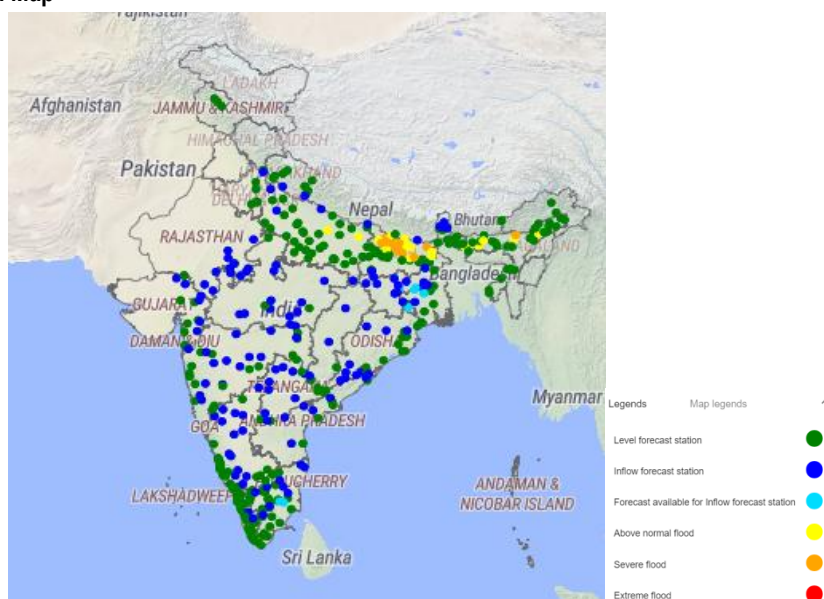
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 10th July, 2021, 15 Stations (13 in Bihar, 1 in Assam & 1 in Tamil Nadu) are flowing in Severe Flood Situation and 18 stations (9 in Bihar, 6 in Assam, 2 in Uttar Pradesh and 1 in Kerala) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 7 Barrages & Dams (4 in Jharkhand, 2 in Tamil Nadu & 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))	15
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	18
Total number of sites above Warning Level (A+B+C)		33
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)		7

Details are given at link: http://cwc.gov.in/sites/default/files/cfrcwcdfb-10.07.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Ganga Basin – Bihar, Uttar Pradesh

In the last 24 hours rivers of Nepal such as Mahakali, Karnali and Kosi recorded light to moderate rains at many places with isolated heavy rains. Hydrological situation in middle and lower parts of these rivers and other rivers originating in Nepal and Indian border of Nepal passing through Bihar and Uttar Pradesh is as detailed below. Rivers **Ghagra and Rapti** is flowing in above normal flood situation in districts **Barabanki & Gorakhpur** of Uttar Pradesh respectively. River **Gandak** is currently flowing in severe flood situation in district **Gopalganj** and in above normal flood situation in **Purba Champaran & Muzaffarpur**. **Bagmati** river in districts **Muzaffarpur & Darbhanga** is flowing in severe flood situation and above normal flood situation at **Sitamarhi**. River **Adhwarais** in severe flood situation in **Dharbanga** district. River **Kamla** is in above normal flood situation in **Madhubani** district. **Kosi** river is flowing in severe flood situation in district **Khagaria**, and in above normal flood situation in **Supaul**. River **Burhi Gandak** is flowing in severe flood situations in districts **Purba Champaran, Samastipur and Muzaffarpur** and above normal flood situation in **Khagaria**. **Parman** River is also in severe flood situation in district **Araria**. River **Mahananda** is flowing in above normal flood situations in districts **Purnia & Katihar**.

As per rainfall realised and rainfall prediction for east Nepal, water levels are expected to rise in Ghagra, Gandak, BurhiGandak& other North Bihar rivers, which are already in high stage & falling very slowly.

2.2.2 Brahmaputra and its tributaries – Assam, Arunachal Pradesh & Sub Himalayan Bengal **Brahmaputra river** is flowing in severe flood situation in **Sonitpur** district, and in above normal flood situation at **Jorhat, Gopalpara, Barpeta and Dhubri** districts.

2.2.1 Ganga Basin – Bihar, Uttar Pradesh

In the last 24 hours rivers of Nepal such as Mahakali, Karnali and Kosi recorded light to moderate rains at many places with isolated heavy rains. Hydrological situation in middle and lower parts of these rivers and other rivers originating in Nepal and Indian border of Nepal passing through Bihar and Uttar Pradesh is as detailed below. River **Ghagra and Rapti** is flowing in above normal flood situation in districts **Barabanki& Gorakhpur** of Uttar Pradesh respectively. River **Gandak** is currently flowing in severe flood situation in district **Gopalganj** and in above normal flood situation in **PurbaChamparan& Muzaffarpur**. **Bagmati** river in districts **Muzaffarpur & Darbhanga** is flowing in severe flood situation and above normal flood situation at **Sitamarhi**. River **Adhwarais** in severe flood situation in **Dharbanga** district. River **Kamla** is in above normal flood situation in **Madhubani** district. **Kosi** river is flowing in severe flood situation in district **Khagaria**, and in above normal flood situation in **Supaul**. River **BurhiGandak** is flowing in severe flood situations in districts **PurbaChamparan, Samastipur and Muzaffarpur** and above normal flood situation in **Khagaria**. **Parman** River is also in severe flood situation in district **Araria**. River **Mahananda** is flowing in above normal flood situations in districts **Purnia&Katihar**.

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2.2.2 Brahmaputra and its tributaries – Assam, Arunachal Pradesh & Sub Himalayan Bengal **Brahmaputra river** is flowing in severe flood situation in **Sonitpur** district, and in above normal flood situation at **Jorhat, Gopalpara, Barpeta and Dhubri** districts.

2.2.2 West Flowing Rivers Of Ghat Areas - Mumbai, Konkan and Goa, Coastal Karnataka, Kerala, Tamilnadu

Due to strengthening of monsoon current and formation of low pressure area in Bay of Bengal IMD has predicted increased rainfall activity over west coast and neighbourhood of peninsular India.

Cauvery basin – IMD has predicted heavy rains to very heavy rains with isolated extremely heavy rains in districts Kodagu, **Hassan** and **Chickmangalur** i.e the catchments upstream of **Harangi, Hemavathi & KRS** dams. **Kabini River** - IMD has predicted heavy rains over **Wayanad** district of Kerala. So this is likely to increase inflow into **Kabini dam**. Kabini dam is presently 75% full and having river level compared to rule level of 694.25m. Due to predicted rainfall, there is likelihood of increased inflow into dam. Releases if any should be done following SOP & after informing all downstream districts /lower riparian state.

Tungabhadra Basin – **Upper Tunga/Gajanur** dam is at FRL. Due to predicted rainfall, there is likelihood of increased inflow into dam. Releases if any should be done following SOP & after informing all downstream districts /lower riparian state

In Mumbai, watch for urban flooding situation has to be kept.

West Flowing rivers of Tadri to Kanyakumari– **Periyar** river is flowing in severe flood situation in district **Pathanamthitta**. River **Manimala** is flowing in above normal flood situations in district **Kottayam**. As the IMD has predicted heavy to extremely heavy rainfall in **Ernakulam, Idukki**, and very heavy rains in **Coimbatore & Theni**, increased inflow is expected into **Idukki dam and Edamalayar** dams. Also increased rains of Coimbatore district may increase inflow in **Bhavanisagar dam**. **Kodaiyar** river is flowing in severe flood situation in district **Kanyakumari** district of Tamilnadu. IMD has predicted very heavy rains in Kanyakumari, hence alert may be kept.

3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 10th July 2021

Reservoirs shown in red are having gross storage capacity more than 80% and those in orange are having gross storage greater than 60%. Close watch is to be maintained at these reservoirs whenever Very Heavy Rainfall (Orange) and Extremely Heavy Rainfall (Red) warning in next 120 hours are given.

QPF categories (mm)	0	0.1-10	11-25	26-37	38-50	51-75	76-100	>100
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#	Reservoir/ Dams	River/ Sub-Basin / Basin	State	US/ DS District	Rainfall situation				
					Day 1	Day 2	Day 3	Day 4	Day 5
1	Pulichinthala	Krishna/Lower Krishna/ Krishna	Andhra Pradesh	Nalgonda(Tel)/Guntoor, Krishna(AP)					
2	Panchet	Damodar/ Damodar East/ Ganga	Jharkhand	Dhanbad					
3	Maithon	Barakar/Barakar East/Ganga	Jharkhand	Dhanbad					
4	Almatti	Krishna/ Upper Krishna/ Krishna	Karnataka	Kolhapur (Maharashtra)/ Bagalkote (Karnataka)					
5	Narayanpur	Krishna/Upper Krishna/Krishna	Karnataka	Bagalkot, Vijayapura/Raichur,Yadgir					
6	Kabini	Kabini/Kabini/ Cauvery	Karnataka	Wayanad (Kerala)/ Mysuru (Karnataka)					
7	Karanja	Karanja/Manjera/ Godavari	Karnataka	Bidar (Kar), Vikarabad(Telangana)/ Bidar(Kar)					
8	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/ Dholpur, Kota, Bundi(Raj)					
9	Som Kamla Amba	Som/Mahi B/ Mahi	Rajasthan	Udaipur/ Dungarpur					
10	Sripada Yellampally	Godavari/Middle Godavari/Godavari	Telangana	Mancherial/Jaishankar Bhupalpally					
11	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad,Nirmal/Mancherial					
12	Musi	Musi/Lower Krishna/ Krishna	Telangana	Nalgonda					
13	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari	Tamil Nadu	Theni/Madurai					
14	Bhavanisagar	Bhavani/ Middle Cauvery/ Cauvery	Tamilnadu	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					

Note- Based on above information, Project Authority may regulate the reservoirs as per standard operating manuals/ rule levels to avoid downstream flooding and upstream submergence.