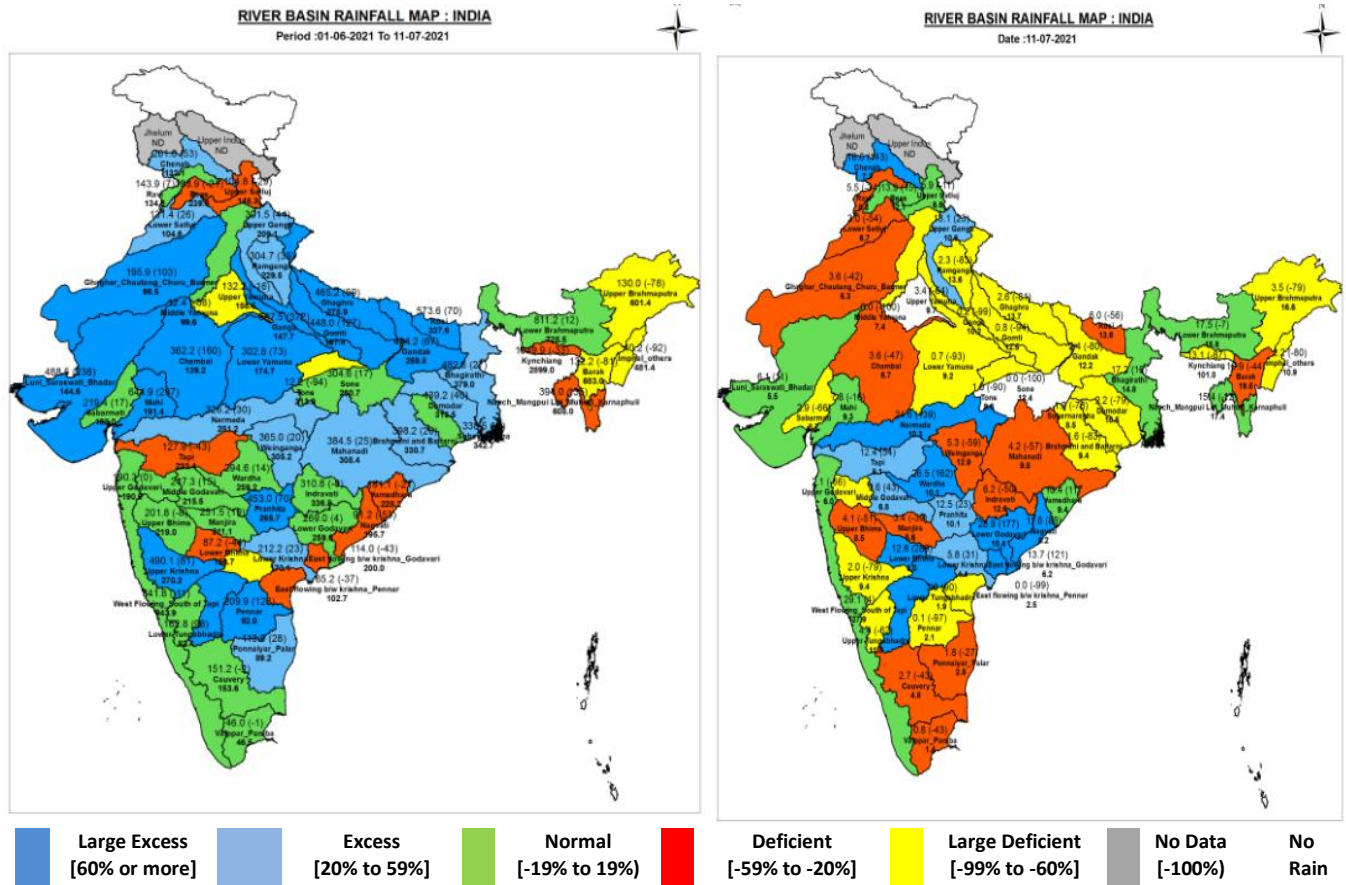




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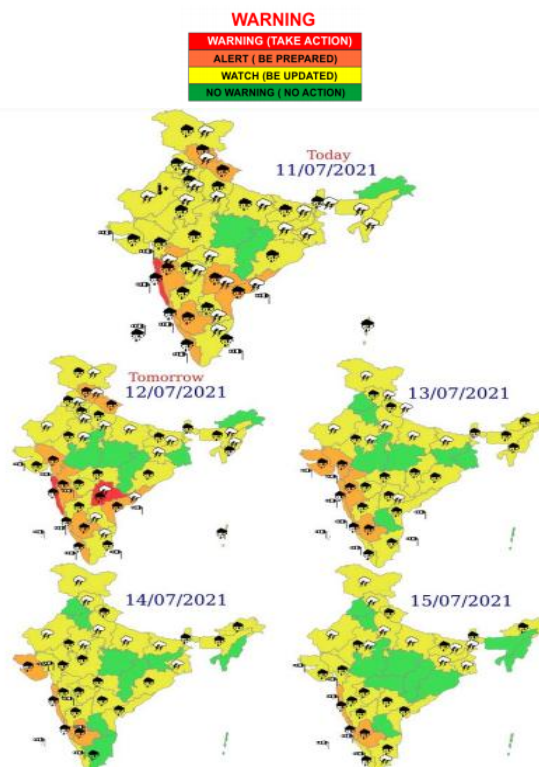
1.0 Rainfall Situation

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 11th July, 2021 (Midday) by IMD



- Isolated extremely heavy falls very likely over Konkan & Goa during 11th-15th and over Telangana on 12th. Isolated heavy to very heavy falls also very likely over Gujarat state, Madhya Maharashtra, Coastal Andhra Pradesh, Telangana, Coastal & South Interior Karnataka and Kerala & Mahe during next 3 days.

2.0 Flood Situation and Advisories

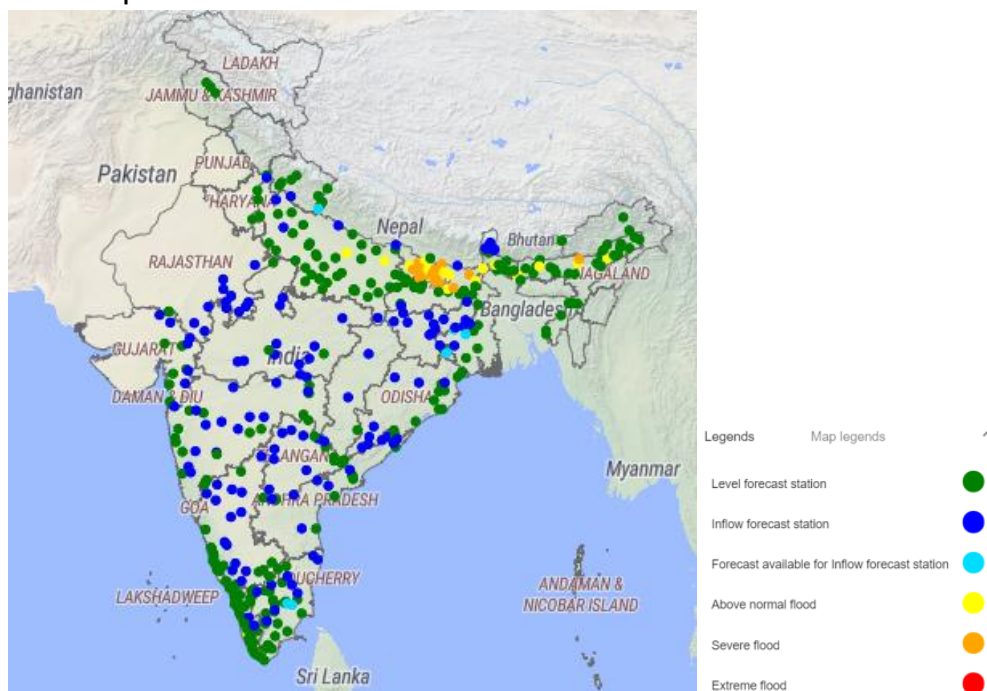
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 11th July 2021, 16 Stations (14 in Bihar, 1 in Assam & 1 in Tamil Nadu) are flowing in Severe Flood Situation and 16 stations (7 in Bihar, 5 in Assam 2 in Uttar Pradesh and 1 each in Kerala & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 6 Barrages & Dams (2 in Tamil Nadu, 2 in Jharkhand, 1 in Uttarakhand 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))	16
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	16
Total number of sites above Warning Level (A+B+C)		32
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)		6

Details are given at link: http://cwc.gov.in/sites/default/files/cfrcwcdfb-11.07.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 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 in districts **Kodagu, Hassan** and **Chickmangalur** i.e the catchments upstream of Harangi, Hemavathi and KRS dams. Presently, the storage in these reservoirs is of the order of 31 to 53% and hence the rainfall predicted will increase the storage in these reservoirs during the next 5 days. Releases if any has to be done by following SOP and after informing downstream areas and lower riparian states/

IMD has predicted heavy to very heavy rains over **Wayanad** district of Kerala on 11th and heavy rain from 12th to 13th July 2021. So this is likely to increase inflow into **Kabini dam** on river **Kabini**. 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– **Manimala** river is flowing in above normal flood situation in district **Pattanamthitta**.

As IMD has predicted very heavy rainfall in **Idukki**, and heavy rains in **Theni and Coimbatore**, increased inflow is expected into **Idukki and Edamalayar dams**.

Kodaiyar river is flowing in above normal flood situation in district **Kanyakumari** district of Tamilnadu. IMD has predicted very heavy rains in Kanyakumari hence alert may be kept

2.2.2 Godavari and Krishna basin – Andhra Pradesh, Telangana, Maharashtra

Water levels may rise from Day 1 to Day 5 due to rainfall in sub catchments of Godavari Basin. As Laxmi Barrage, is releasing water due to inflows into the barrage, the same will reach downstream and water levels of downstream sites will rise, hence it is advised that the sites from Kaleswaram to Dowlaiswaram to be watchful.

2.2.3 Ganga Basin – Bihar, Uttar Pradesh

In the last 24 hours rivers of Nepal such as Mahakali, Banganga, Gandaki, Tinau, 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 districts **Purba Champaran & Muzaffarpur** and in above normal flood situation in **Gopalganj**. **Bagmati** river in districts **Muzaffarpur & Darbhanga** is flowing in severe flood situation and above normal flood situation at **Sitamarhi**. River **Adhwara& Kamla** rivers are in severe flood situation in **Dharbanga & Madhubani** districts respectively. **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, water levels in rivers in Bihar are expected to fall only very slowly.

2.2.4 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. River **Teesta** is in above normal flood situation in **Jalpaiguri**.

3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 4th 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									
#	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	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad,Nirmal/Mancheria I					
3	Panchet	Damodar/ Damodar East/ Ganga	Jharkhand	Dhanbad					
4	Maithon	Barakar/Barakar East/Ganga	Jharkhand	Dhanbad					
5	Almatti	Krishna/ Upper Krishna/ Krishna	Karnataka	Kolhapur (Maharashtra)/ Bagalkote (Karnataka)					
6	Narayanpur	Krishna/Upper Krishna/Krishna	Karnataka	Bagalkot, Vijayapura/Raichur,Yadgir					

7	Kabini	Kabini/Kabini/ Cauvery	Karnataka	Wayanad (Kerala)/ Mysuru (Karnataka)					
8	Karanja	Karanja/Manjera/ Godavari	Karnataka	Bidar (Kar), Vikarabad(Telangana)/ Bidar(Kar)					
9	Rana PratapSagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/ Dholpur, Kota, Bundi(Raj)					
10	SomKamlaAm ba	Som/Mahi B/ Mahi	Rajasthan	Udaipur/ Dungarpur					
11	Sri PadaYellampal ly	Godavari/Middle Godavari/Godavari	Telangana	Mancheria/JaishankarBhup alpally					
12	PD Jurala	Krishna/Middle Krishna/Krishna	Telangana	Raichur (Kar)/JogalambaGadwal(Tel angana)					
13	Musi	Musi/Lower Krishna/ Krishna	Telangana	Nalgonda					
14	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari	Tamil Nadu	Theni/Madurai					
15	Bhavanisagar	Bhavani/ Middle Cauvery/ Cauvery	Tamil Nadu	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.