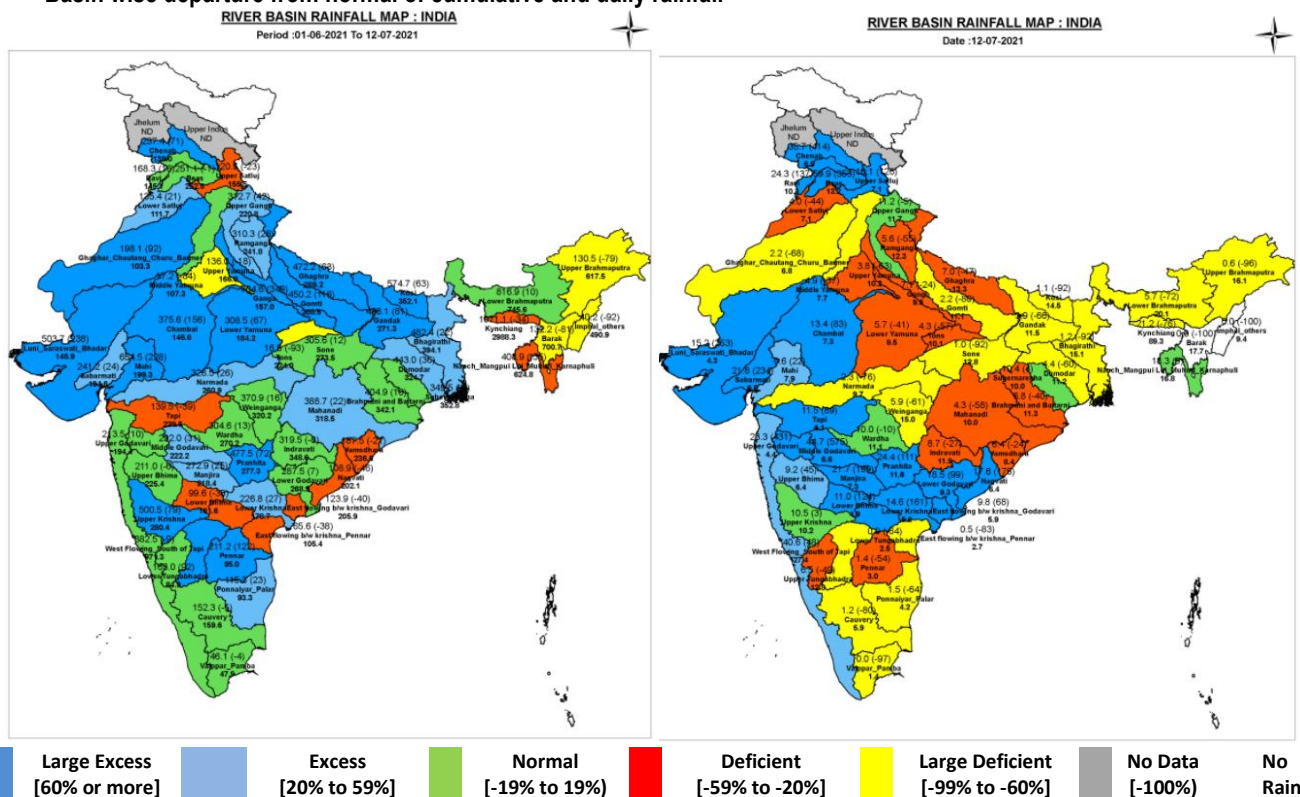




**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**12-07-2021**

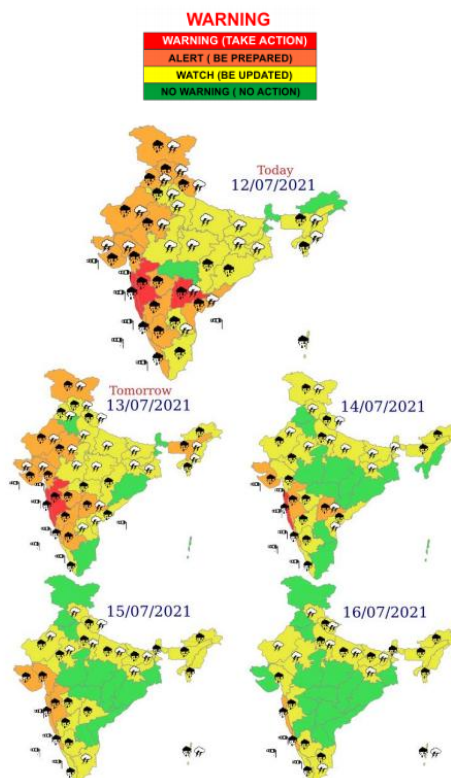
**1.0 Rainfall Situation**

**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 12<sup>th</sup> July, 2021 (Midday) by IMD**



- Isolated heavy to very heavy rainfall over Vidarbha and Chhattisgarh on 08th & 09th; East Madhya Pradesh on 09th; West Madhya Pradesh on 10th & 11th; over Ghat areas of Madhya Maharashtra on 11th & 12th; over Coastal Andhra Pradesh and Telangana on 08th, 11th & 12th; over Coastal & South Interior Karnataka and Kerala & Mahe during 09th -12th; over Konkan & Goa, Andaman & Nicobar Islands and Tamilnadu, Puducherry & Karaikal during 10th -12th July, 2021.

## 2.0 Flood Situation and Advisories

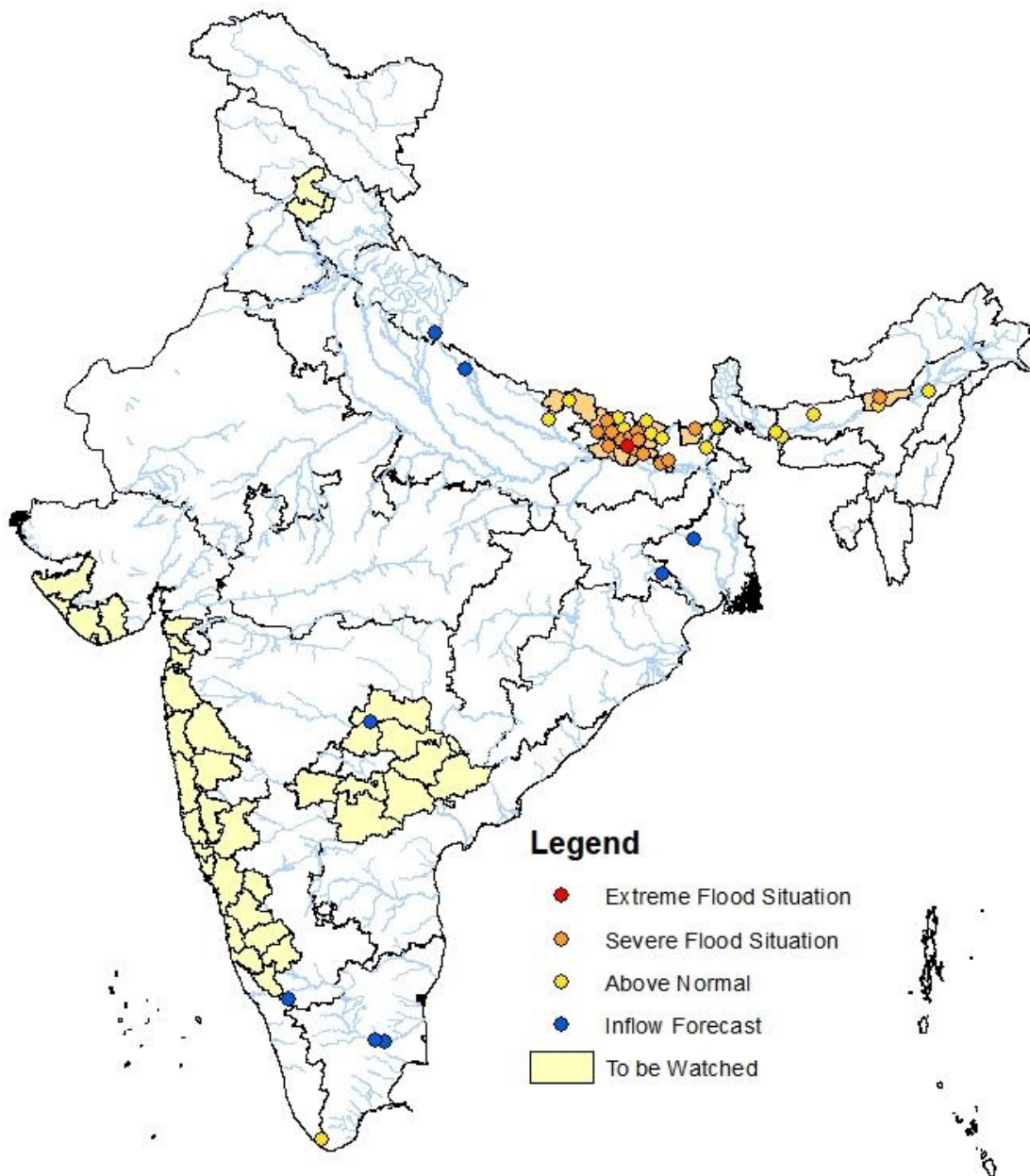
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 12<sup>th</sup> July, 2021, 15 Stations (14 in Bihar and 1 in Assam) are flowing in Severe Flood Situation and 15 stations (7 in Bihar, 5 in Assam, 2 in Uttar Pradesh and 1 in Tamilnadu) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 8 Barrages & Dams (2 in Tamilnadu and 1 each in Jharkhand, Karnataka, Telangana, Uttar Pradesh, Uttarakhand & West Bengal)

PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
<b>A</b>	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
<b>B</b>	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	15
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	15
Total number of sites above Warning Level ( A+B+C)		30
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 are given at link: [http://cwc.gov.in/sites/default/files/cfrcrcwcdfb-12.07.2021-2\\_5.pdf](http://cwc.gov.in/sites/default/files/cfrcrcwcdfb-12.07.2021-2_5.pdf)

#### 2.1.1 Flood Situation Map





## 2.2 CWC Advisories

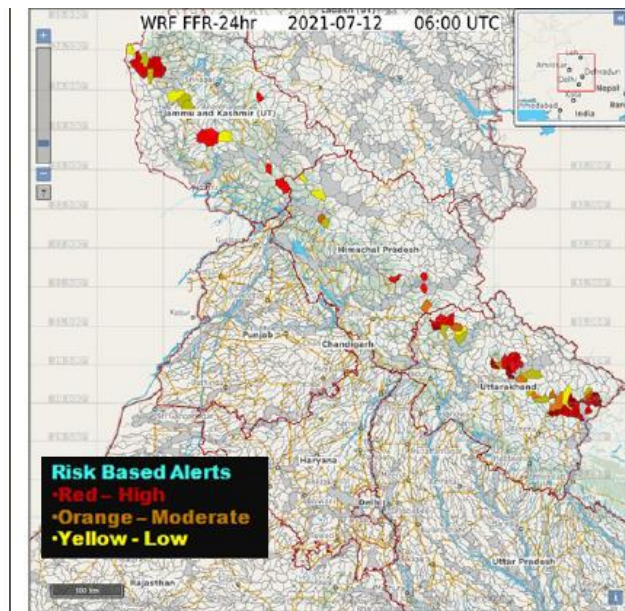
### 2.2.1 Ganga, Yamuna, Indus and its Tributaries – Jammu, Himachal Pradesh, Uttarakhand

IMD has issued flash flood risk over many watersheds and neighbourhood of Jammu & Kashmir, Himachal Pradesh and Uttarakhand. A snapshot of high risk area as given in IMD National Flash Flood Guidance bulletin issued at 1330 IST of 12.07.2021 is attached below:

#### **24 hours Flash Flood Risk Outlook** **Till 1130 IST of 13.07.2021:**

**Moderate to High Risk** over few watersheds and neighborhood of **Jammu & Kashmir, Himachal Pradesh, Uttarakhand** met sub division.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to expected persistent rainfall in next 24 hours.



Moreover, as per IMD forecast and CWC collected data, there is a chance of water level rise in **Alaknanda, Mandakini, Bhagirathi, Ramganga, Yamuna Ganga** in Uttarakhand as well as in rivers **Beas, Satluj** and **Tributaries of Yamuna** in Himachal Pradesh as well as in **Chenab** in Kangra Division of Himachal Pradesh and in **Jammu** Division of Union Territory of Jammu & Kashmir.

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

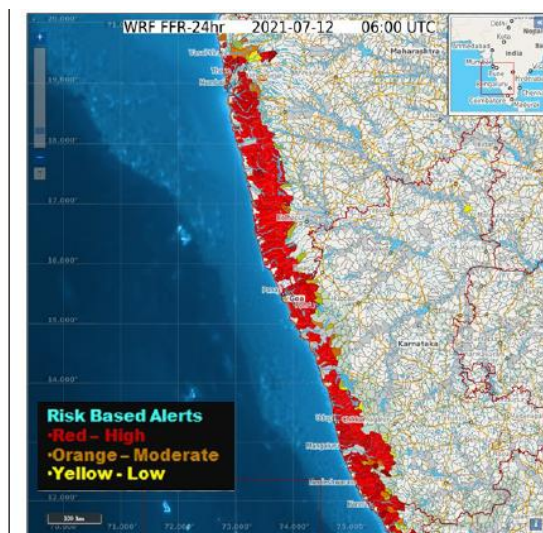
Due to strengthening of monsoon current and formation of low pressure area in Bay of Bengal IMD has predicted increased rainfall activity over west coast and neighbourhood of peninsular India.

IMD has issued flash flood risk over many watersheds and neighbourhood of Konkan & Goa and coastal Karnataka met-subdivisions.

#### **24 hours Flash Flood Risk Outlook** **Till 1130 IST of 13.07.2021:**

**Moderate to High Risk** over many watersheds and neighborhood of **Konkan & Goa and Coastal Karnataka** met sub division.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to expected persistent rainfall in next 24 hours.



Based of past Hydrometeorological data collected by CWC and State, flood forecast issued by CWC and IMD weather forecast, the existing hydrological scenario and brief glimpse of future scenario has been given below:

**Cauvery basin** – IMD has predicted heavy rains to very heavy rains with isolated extremely heavy rains in districts **Kodagu, Hassan** and **Chikmagalur** i.e., the catchments upstream of Harangi, Hemavathi and 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 76% full and having river level 693.71 m 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**—As the IMD has predicted very heavy rainfall in **Idukki**, so increased inflow is expected into **Idukki dam**.

**West Flowing between Tapi and Tadri** – Due to forecast of heavy to very heavy rainfall in Konkan and South Gujarat, rivers between Tapi and Tadri in the Districts of **Valsad in Gujarat, Daman in UT of Daman & Diu, Silvassa District in Dadra & Nagarhaveli as well as in Thane, Palghar, Raigad, Ratnagiri and Sindhudurg District** are likely to rise. Watch is to be maintained for flashy rise in small river catchments in western Ghats in these rivers.

### 2.2.3 Godavari and Krishna basin – Andhra Pradesh, Telangana, Maharashtra

Water level may rise slowly from Day 1 to Day 3 due to rainfall in sub catchments of Godavari Basin. As Laxmi Barrage, is releasing (96,770 Cusecs) 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. Rainfall in the source regions of Krishna and Bhima and their tributaries has been forecasted which may lead to rise in water levels of these basins.

### 2.2.4 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. 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 **Rapti, Gandak, Bagmati, Kamla, Burhi Gandak, Adhwar, Mahananda, Parman & Kosi** are flowing in severe to above normal flood situation in districts **Gorakhpur** (of Uttar Pradesh), **Purba Champaran, Muzaffarpur, Gopalganj, Darbhanga, Sitamarhi, Madhubani, Khagaria, Supaul, Samastipur, Araria, Purnia & Katihar**.

Abatement of water levels in above mentioned rivers of Bihar are expected to be very slow.

**2.2.5 Brahmaputra and its tributaries** – Assam, Arunachal Pradesh & Sub Himalayan Bengal **Jia-Bharali river** is flowing in severe flood situation in **Sonitpur** district, and river Brahmaputra and Beki is flowing in above normal flood situation at **Jorhat, Goalpara, Barpeta and Dhubri** districts.

### 3. Storage Position in Dams where Inflow forecast is being issued by CWC as on 12<sup>th</sup> 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 high QPF has been indicated in next 120 hours.

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	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad,Nirmal/Mancheria					
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/Manjara/ Godavari	Karnataka	Bidar (Kar), Vikarabad(Telangana)/ Bidar(Kar)					
9	Rana PratapSagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/ Dholpur, Kota, Bundi(Raj)					
10	SomKamlaAmba	Som/Mahi B/ Mahi	Rajasthan	Udaipur/ Dungarpur					
11	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Telangana	Mancheria/JaishankarBhupalpal ly					

12	PD Jurala	Krishna/Middle Krishna/Krishna	Telangana	Raichur (Kar)/JogalambaGadwal(Telangana)					
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.