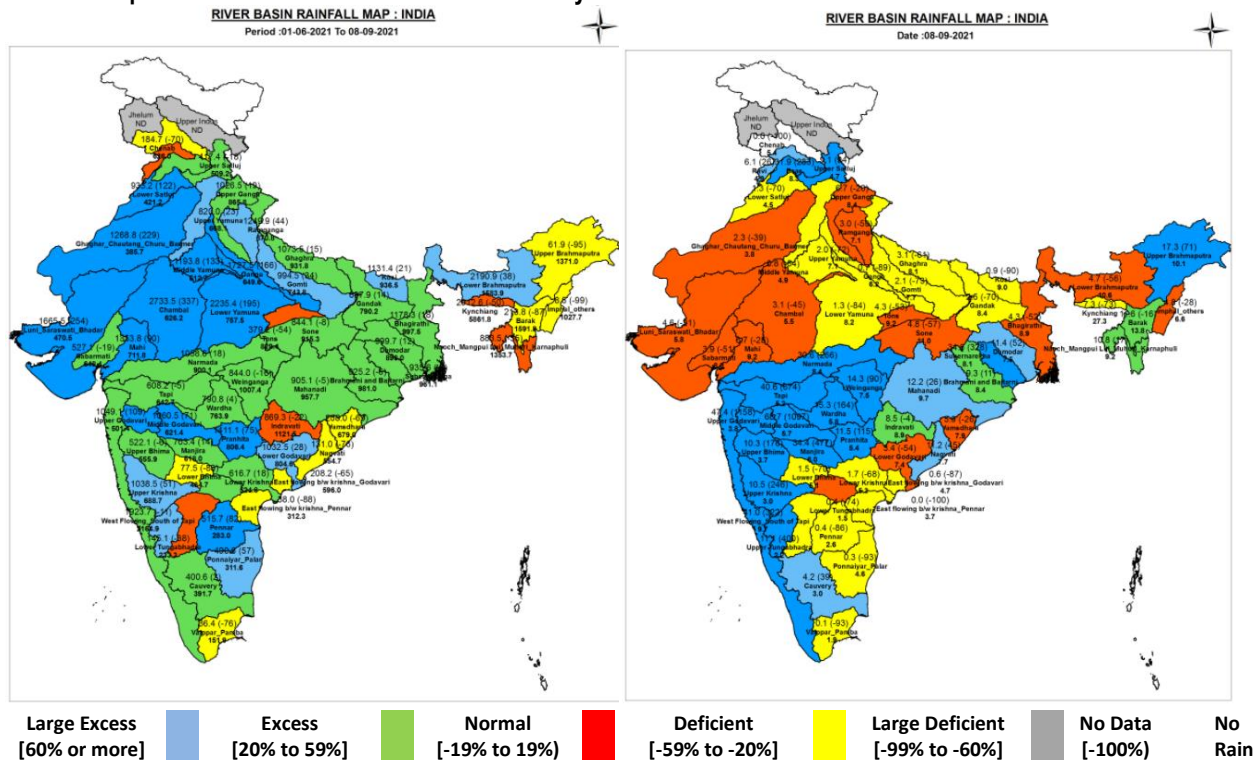




**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**08-09-2021**

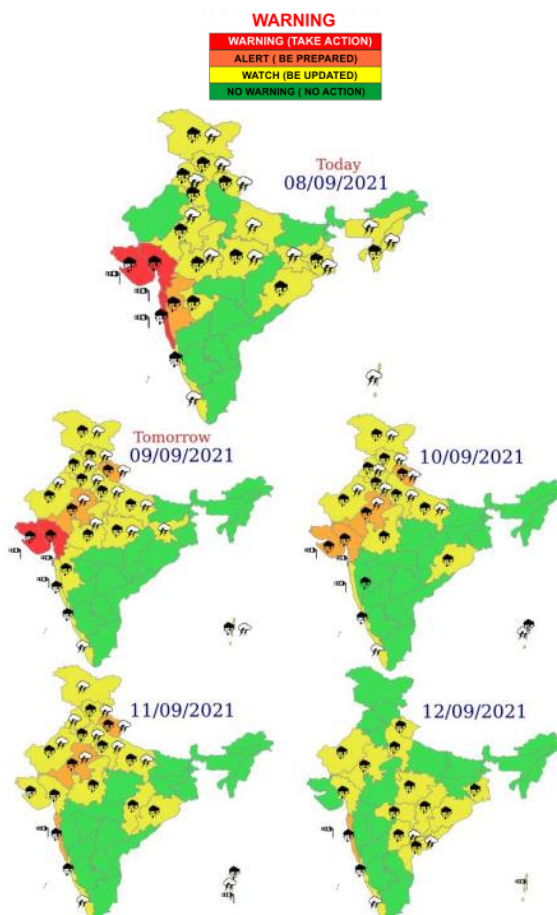
**1.0 Rainfall Situation**

**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 8<sup>th</sup> September, 2021 (Midday) by IMD**



- Extremely Heavy Rainfall over Gujarat state on 8th & 9th and over Konkan and Goa on 8th; Very heavy rainfall over Uttarakhand & East Rajasthan during 9th -11th and over Gujarat state on 10th September 2021.

## 2.0 Flood Situation and Advisories

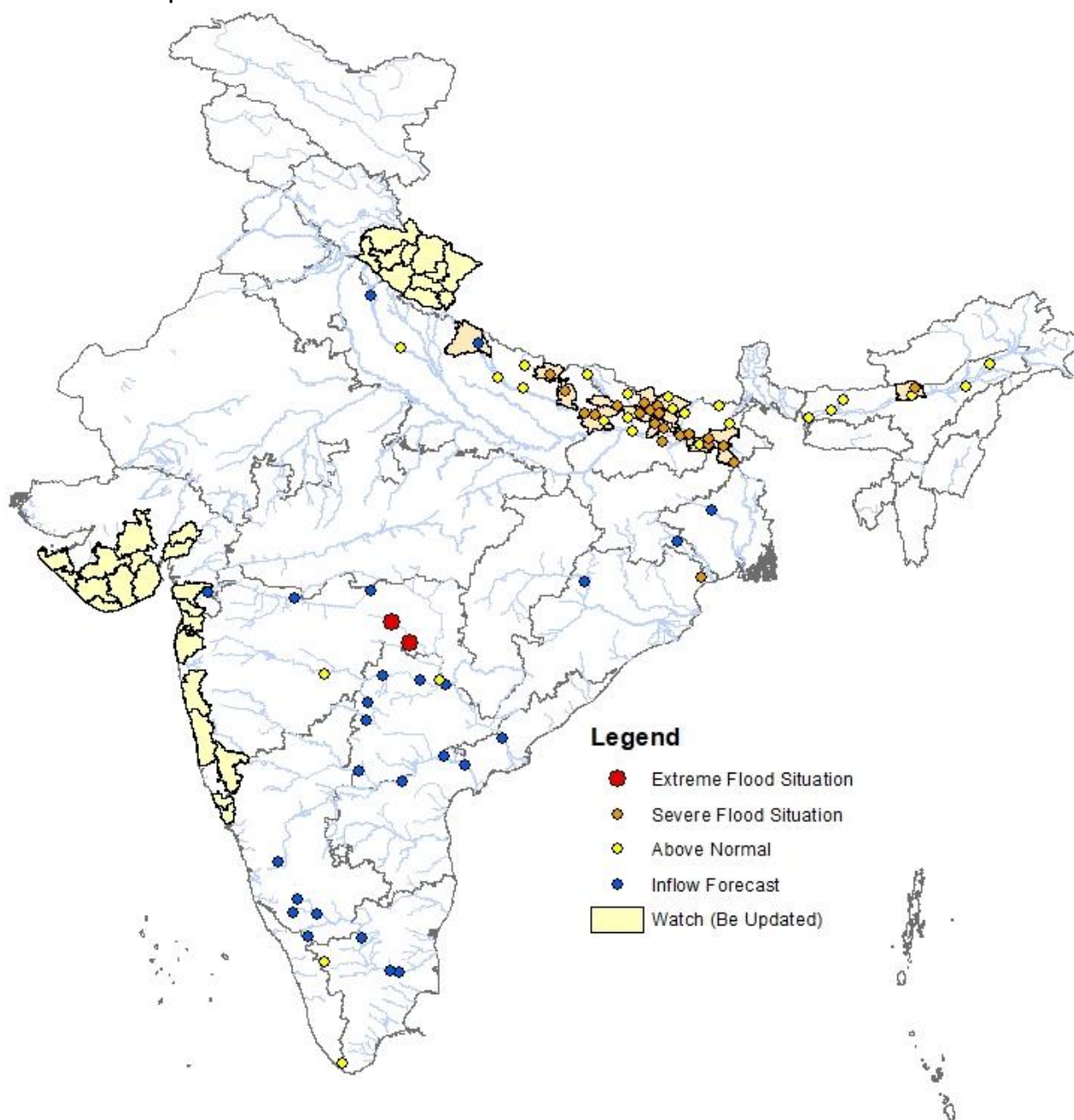
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 8<sup>th</sup> September, 2021, 22 Stations (15 in Bihar, 3 in Uttar Pradesh and 1 each in Assam, Jharkhand, Odisha & West Bengal) are flowing in Severe Flood Situation and 25 stations (10 in Bihar, 6 in Assam, 5 in Uttar Pradesh and 1 each in Kerala, Maharashtra, Tamilnadu & Telangana) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 27 Barrages & Dams (6 in Telangana, 5 each in Andhra Pradesh & Karnataka, 3 in Tamilnadu, 2 each in Maharashtra & Uttar Pradesh and 1 each in Gujarat, Jharkhand, Odisha & 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)	25
Total number of sites above Warning Level (A+B+C)		47
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)		27

Details are given at link: [http://www.cwc.gov.in/sites/default/files/cfcrwcdfb-08.09.2021-2\\_5.pdf](http://www.cwc.gov.in/sites/default/files/cfcrwcdfb-08.09.2021-2_5.pdf)

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

### 2.2.1 Godavari Basin, Tapi, Damanganaga, Mahi, Sabarmati, Banas, West Flowing Rivers from Tapi to Tadri

#### 2.2.1.1 Maharashtra

Godavari Basin: Flow created from past 2 days heavy rainfall in Godavari and its tributaries has increased the inflow into major dams in the basin. Heavy inflows are expected in Upper Wardha Project (> 460 cumec) till tomorrow (09.09.2021) morning. River Wardha in **Wardha & Chandrapur** districts are flowing in extreme flood situation. River Shivna in **Aurangabad** district flowed above its previous Highest Flood Level. Proper reservoir operation in accordance to standard operating manuals should be done, after informing downstream areas in advance.

Tapi Basin: Tapi basin has received heavy rainfall yesterday. Hatnur dam is currently receiving increased inflows of 1300 cumec. IMD has predicted heavy rainfall in next 2 days mostly in lower Tapi. Alert may be kept in districts **Dhule, Nasik & Nandubhar**.

Damanganga basin: The basin is expected to receive increased flows, hence, alert may be kept in **Nashik** district.

Independent rivers originating from Western Ghats: There is likelihood of water level rise in rivers originating from Ghat regions such as Gad, Kajvi, Khadapar, Madai, Savitri, Kal, Vashisti, Bav, Wagh & Bogeshwari in next 2 days. Alert may be kept in **Raigad, Ratnagiri & Kolhapur**.

#### 2.2.1.2 Telangana

Godavari Basin: Flow created from past 2 days heavy rains in north Telangana, Madhya Maharashtra and Vidharba is progressing downstream and realized in districts of Telangana. Heavy inflows are expected in Sriramsagar Sagar (>11000 cumec), Kaddam dam (~900 cumec), Sripada Yellampally (>18000 cumec), Laxmi Barrage (>30,000 cumec) till tomorrow (09.09.2021) morning. As the storages are high, 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 and after informing the downstream areas in advance. Alert may be kept in **Warangal & Khammam** districts.

#### 2.2.1.3 Andra Pradesh

Godavari Basin: Currently inflow of 21,000 cumec is expected into Indira Sagar Project due to progression of flood wave downstream as said under section 2.2.1.2. Alert may be kept in **East & West Godavari** districts.

#### 2.2.1.4 Gujarat, Rajasthan

Mahi & Sabarmati basins: Ukai dam, Hathnur dam (Tapi basin), Kadana Dam (Mahi river), Madhuban Dam (Damanganga river) are expected to receive heavy inflows in forthcoming 2 to 3 days. Rainfall and increased flows can lead to rise in water level in Mahi, Sabarmati and Tapi. Ukai dam is 76% filled and expected to receive inflow more than 4100 cumec till tomorrow. Alert may be kept in districts **Udaipur, Banswara (Rajasthan), Gandhinagar, Mehsana, Ahmedabad, Kheda & Anand**.

Damanganga Basin: Madhuban dam storage is more than 78% and expected to receive increased inflows. Alert may be kept in **Valsad, Dangs & Navsari** districts.

Rivers of Saurashtra and Kutch, Vishvamitri: Vishvamitri river is expected to get increased runoff due to heavy rains in **Vadodhara** district. Other rivers basins such as Shterunji, Rupen, Macchhundri, Sani, Ozat, Madhuwant, Saraswathi, Bagod, Kalubhar, Ghelo basins are expected to receive heavy rains. Alert may be kept in districts **Patan, Amreli, Botad, Junagadh, Gir Somnath, Bhavnagar & Dwarka**.

### 2.2.2 Ganga Basin- Uttarakhand, Uttar Pradesh, Bihar, Jharkhand & West Bengal

Alert may be kept in **whole Uttarakhand** as heavy rainfall has been predicted for next 2 days. Increased flows are expected in rivers major rivers and its tributaries such as Alaknanda, Sarju, Sarda, Ramganga, Bhagirathi, Yamuna & Mahakali.

Northern tributaries of Ganga in Uttar Pradesh & Bihar continue to flow in Severe to Above Normal Flood Situation with steady/falling trend. In coming days, flooding situation is expected to recede slowly.

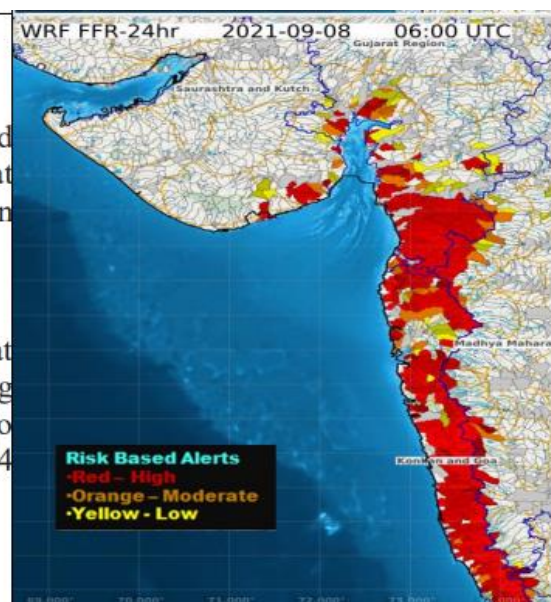
## 2.3 Flash Flood Guidance

IMD has issued Flash Flood Guidance of high risk over few watersheds and neighborhoods of Konkan & Goa, Gujarat & saurashtra & Kutch met subdivision in next 24 hours.

#### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 09.09.2021:**

**High Risk** over few watersheds and neighborhood of Konkan & Goa, Gujarat and Saurashtra & Kutch met subdivision in next 24 hours.

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





### 3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 8<sup>th</sup> September, 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 below:

Storage above 90%	
Storage above 75%	

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	Nagarjuna Sagar	Krishna/Lower Krishna/Krishna	AP	Nalgonda(Tel), Guntoor (AP)					
2	Musi	Musi/Lower Krishna/ Krishna	Tel	Nalgonda					
3	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/ JaishankarBhupalpally					
4	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
5	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancherial					
6	Singur	Manjira/Manjira/Godavari	Tel	Medak					
7	Panchet	Damodar/Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
8	Getalsud	Damodar/ Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
9	Konar	Konar/ Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
10	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
11	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
12	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
13	Harangi	Harangi/Harangi/Cauvery	Kar	Kodagu/Mandya					
14	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Tel)/Bidar(Kar)					
15	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Mah)/ Bagalkote(Kar)					
16	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
17	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
18	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
19	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
20	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/Shimoga					
21	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
22	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
23	Warana	Warana/Upper Krishna/Krishna	Mah	Kolhapur, Sangli					
24	Koyna	Koyna/ Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
25	Yeldari	Purna/Purna/Godavari	Mah	Parbhani, Hingoli					
26	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					
27	Manjlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
28	Parwati	Parbati/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
29	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
30	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
31	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
32	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
33	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
34	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
35	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
36	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					

37	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
38	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
39	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					
40	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
41	Srisaillam	Krishna/Lower Krishna/Krishna	AP	Jogulamba Gadwal(Telangana), Kurnool(AP)/ Nalgonda(Telangana), Guntoor (AP)					
42	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					

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.