



**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**17-09-2021**

**1.0 Rainfall Situation**

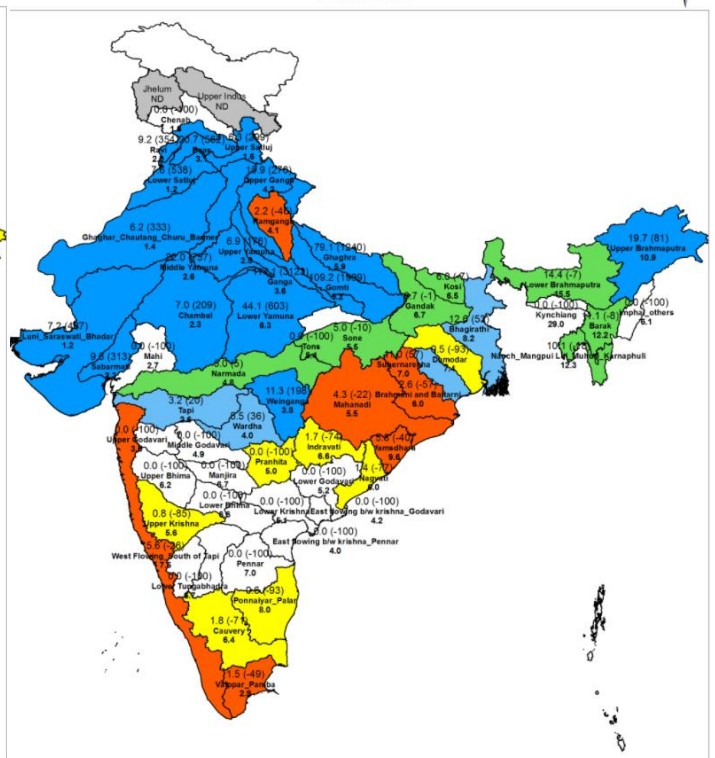
**1.1 Basin wise departure from normal of cumulative and daily rainfall**

**RIVER BASIN RAINFALL MAP : INDIA**

Period :01-06-2021 To 17-09-2021

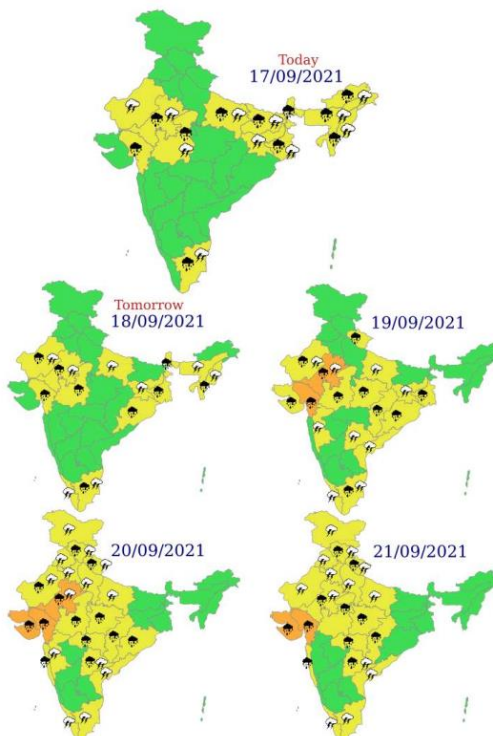
**RIVER BASIN RAINFALL MAP : INDIA**

Date :17-09-2021



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



- Heavy/Very Heavy Rainfall over Rajasthan on 19<sup>th</sup> & 20<sup>th</sup>; over Gujarat state on 20<sup>th</sup> & 21<sup>st</sup> September, 2021.

## 2.0 Flood Situation and Advisories

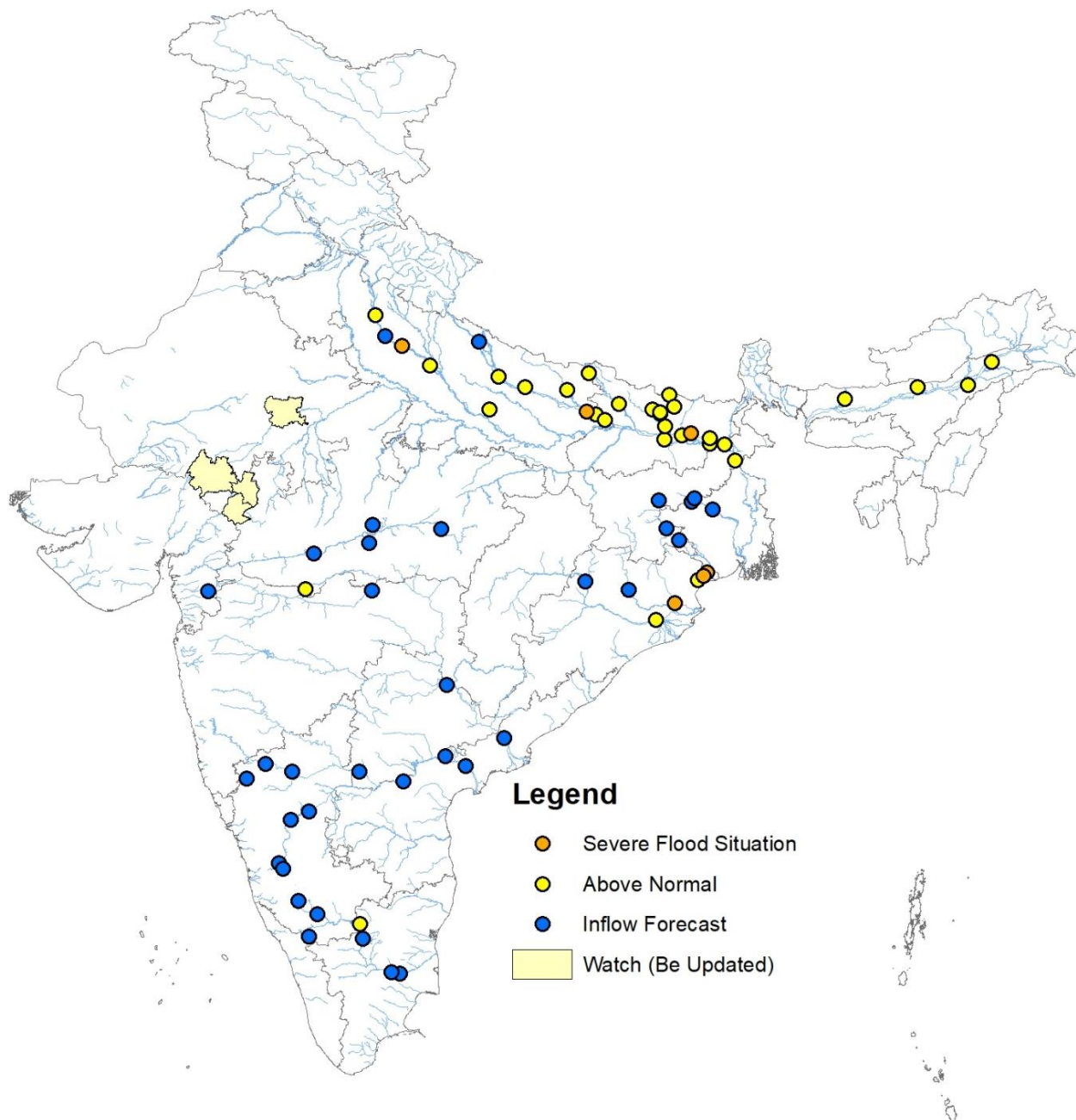
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 17<sup>th</sup> September 2021, 6 Stations (3 in Odisha, 2 in Uttar Pradesh and 1 in Bihar) are flowing in Severe Flood Situation and 30 stations (13 in Bihar, 7 in Uttar Pradesh, 4 in Assam, 2 in Odisha and 1 each in Tamilnadu, Jharkhand, Madhya Pradesh & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 36 Barrages & Dams (10 in Karnataka, 5 each in Jharkhand & Andhra Pradesh, 4 in Madhya Pradesh, 3 in Tamilnadu, 2 each in Uttar Pradesh, Telangana & Odisha and 1 each in Maharashtra, Gujarat & 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))	6
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	30
Total number of sites above Warning Level ( A+B+C)		36
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)		36

Details are given at link: [http://cwc.gov.in/sites/default/files/cfrcwcdfb-17-09.2021-2\\_5.pdf](http://cwc.gov.in/sites/default/files/cfrcwcdfb-17-09.2021-2_5.pdf)

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

### 2.2.1 Ganga and its tributaries – Uttarakhand, Uttar Pradesh & Bihar

Very Heavy to Extremely heavy rainfall has occurred in Uttar Pradesh is likely to continue for 2-3 days. Hence Water levels rise is expected in rivers Ramganga, Gomti, Yamuna, Ghaghra, Rapti and main Ganga river. River Ghaghra is flowing above Danger Level in **Ballia** District in Uttar Pradesh with rising trend. Main Ganga is flowing above danger level and very close to Highest Flood Level in Badaun district in Uttar Pradesh with rising trend. Due to forecasted heavy rainfall from 19<sup>th</sup> to 21<sup>st</sup> September in Uttarakhand, there is likelihood of flash floods in Himalayan regions of Uttarakhand.

Flooding situation in Northern tributaries of Ganga such as Gandak, Burhi Gandak, Bagmati, Adhwara, Kamalabalan, Kosi and main Ganga have receded from severe to above normal. But in coming days, it is expected that water levels in main Ganga may rise due to runoff created from rivers in eastern U.P.

#### 2.2.1.3 Rajasthan & Madhya Pradesh

River Chambal and its tributaries are expected to rise due to forecasted Heavy rainfall over Rajasthan on 19<sup>th</sup> -20<sup>th</sup> September. Alert may be kept in Districts **Pratapgarh, Banswara, Tonk & Udaipur** in Rajasthan. Heavy to very heavy rainfall is predicted in Madhya Pradesh in next 3 days and river levels in Betwa, Sindh, Tons etc. are expected to rise. Several major reservoirs are about 80 to 95% filled and close watch is to be maintained for any abrupt increase in inflows due to such heavy rainfall. Releases from dams may be done as per SOP after informing downstream districts/ states.

#### 2.2.2 Brahmani, Baitarni, Subernrekha, Mahanadi

##### 2.2.2.2 Odisha

Since the low pressure system has travelled past Odisha, rainfall has reduced considerably over the region. Most of the sites in upper and lower reaches of rivers Subarnarekha, Brahmani, Baitarni are in steady to falling state. In tail end parts currently, River Subarnarekha and Jalka in **Balasore** District and river Baitarni in **Bhadrak** district are flowing in severe flood situation with falling trend.

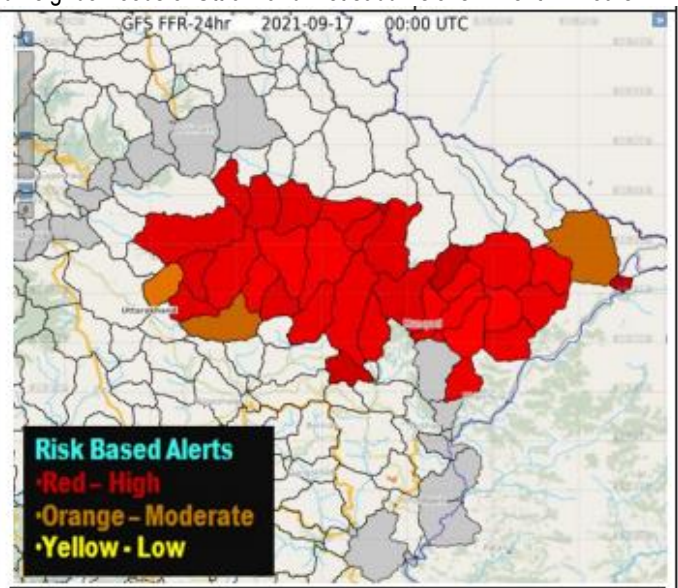
## 2.3 Flash Flood Guidance

IMD has issued Flash Flood Guidance of high risk over few watersheds and neighborhoods of Uttarakhand met subdivisions in next 24 hours.

### **24 hours Flash Flood Risk (FFR) Outlook** **Till 0530 IST of 18.09.2021:**

**Moderate to High Risk** over few watersheds and neighborhood of Uttarakhand 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 17<sup>th</sup> September, 2021

Reservoirs shown in red are having gross storage capacity more than 90% and those in orange are having gross storage greater than 75%. 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	Srisailem	Krishna/Lower Krishna/Krishna	AP	Jogulamba Gadwal(Telangana), Kurnool(AP)/ Nalgonda(Telangana), Guntoor (AP)					
3	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
4	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancheria/ JaishankarBhupalpally					
5	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
6	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancheria					
7	Singur	Manjira/Manjira/Godavari	Tel	Medak					
8	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/Jogalamba Gadwal(Telangana)					
9	Panchet	Damodar/Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
10	Getalsud	Damodar/Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
11	Konar	Konar/Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
12	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
13	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
14	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
15	Harangi	Harangi/Harangi/Cauvery	Kar	Kodagu/Mandya					
16	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Tel)/Bidar(Kar)					
17	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Mah)/ Bagalkote(Kar)					
18	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
19	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
20	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
21	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
22	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagalur/Shimoga					
23	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
24	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
25	Warana	Warana/Upper Krishna/Krishna	Mah	Kolhapur, Sangli					
26	Koyna	Koyna/ Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
27	Yeldari	Purna/Purna/Godavari	Mah	Parbhani, Hingoli					
28	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					
29	Manjlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
30	Upper Wardha Project	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
31	Veer Dam	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
32	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					



33	Mula	Mula/Upper Godavari/Godavari	Mah	Ahmadnagar					
34	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
35	Parwati	Parbati/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
36	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
37	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
38	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
39	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
40	Mahi Bajajsagar Dam	Mahi/Mahi B/Mahi	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					
41	Som Kamla Amba Dam	Mahi/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
43	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
44	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
45	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
46	Omkareshwar Dam	Narmada/Narmada b/w Hosangabad to SSP/Narmada	MP	Khandwa/Khargone					
48	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
50	Sanjay Sarovar	Wainganga/Wainganga/Godavari	MP	Seoni					
51	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
52	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
53	Hirakud`	Mahanadi River/Upper Mahanadi/Mahanadi	Odisha	Janjgir Champa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
54	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
55	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
56	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					
57	Edamalayar	Upper Periyar/Periyar/Periyar	Ker	Coimbatore/Ernakulam					
58	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Ker	Idduki/Ernakulam					

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.