



**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**18-09-2021**

**1.0 Rainfall Situation**

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

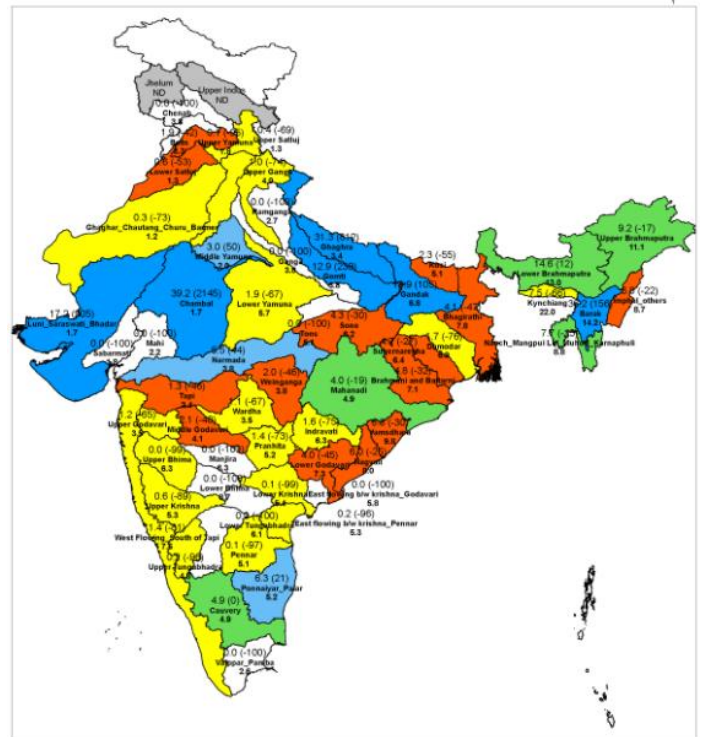
**RIVER BASIN RAINFALL MAP : INDIA**

Period :01-06-2021 To 18-09-2021



**RIVER BASIN RAINFALL MAP : INDIA**

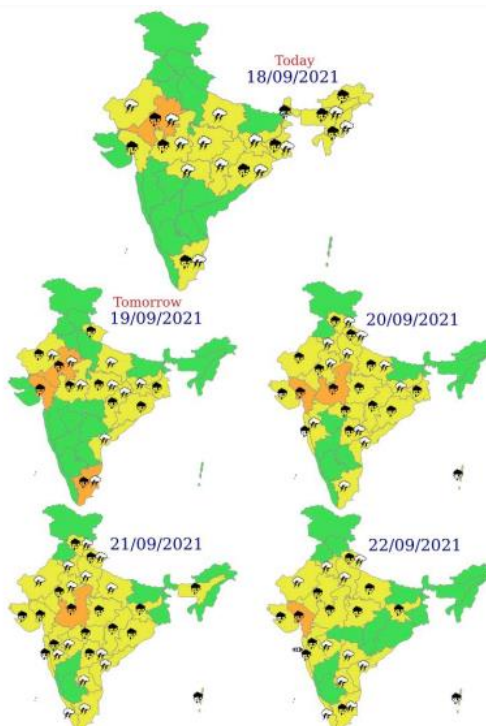
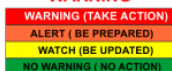
Date :18-09-2021



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

**WARNING**



- Heavy/Very Heavy Rainfall over Isolated Places over East Rajasthan on 18<sup>th</sup> & 19<sup>th</sup>; over Isolated Places over Gujarat state on 19<sup>th</sup>, 20<sup>th</sup> & 22<sup>nd</sup>; over West Madhya Pradesh on 20<sup>th</sup> & 21<sup>st</sup>; over Tamil Nadu, Puducherry & Karaikal on 19<sup>th</sup> September 2021.

## 2.0 Flood Situation and Advisories

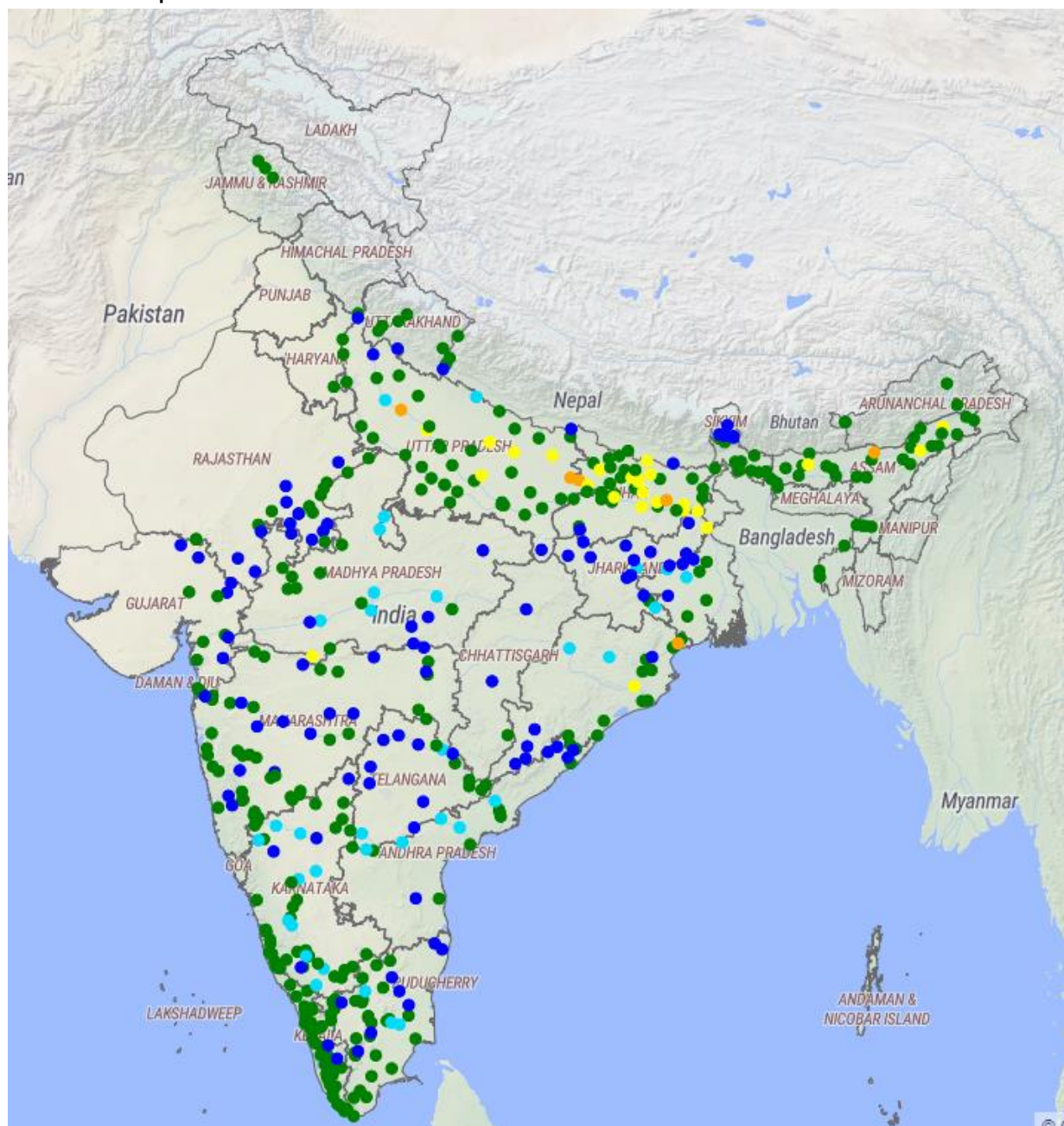
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 18<sup>th</sup> September 2021, 6 Stations (2 in Uttar Pradesh, 2 in Bihar, 1 in Odisha and 1 in Assam,) are flowing in Severe Flood Situation and 25 stations (13 in Bihar, 5 in Uttar Pradesh, 3 in Assam and 1 each in Jharkhand, Madhya Pradesh, Odisha & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 33 Barrages & Dams (09 in Karnataka, 05 each in Andhra Pradesh and Madhya Pradesh, 03 each in Jharkhand, Tamil Nadu & Uttar Pradesh, 2 each in Telangana & Odisha and 1 in 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)	<b>0</b>
<b>B</b>	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	<b>6</b>
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	<b>25</b>
Total number of sites above Warning Level (A+B+C)		<b>31</b>
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)		<b>33</b>

Details are given at link: <http://cwc.gov.in/sites/default/files/cfrcwcdfb-18-09.2021.pdf>

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

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

Heavy rainfall alert is given by IMD in Uttarakhand on 19<sup>th</sup> and 20<sup>th</sup> September 2021. Hence, water levels are expected to rise in rivers Ramganga, Gomti, Yamuna, Ghaghra, Rapti and main Ganga river. River Ghaghara in its lower reaches is flowing above Danger Level in **Siwan** District in Bihar with rising trend. In Bihar River Ganga is flowing above normal flood situation in Patna with rising trend and at Bhagalpur with falling trend. In Sahebganj (Jharkhand) and Murshirabad (West Bengal) it is flowing above normal flood situation with falling trend. Due to forecasted heavy rainfall from 19<sup>th</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 have receded from severe to above normal in most of the districts.

### 2.2.2 Mahi, Sabarmati, Tapi, Vishwamitry and West Bans Basins- Gujarat & Rajasthan

River Mahi and its tributary Erav are expected to get increased runoff as heavy rainfall has been forecasted in **Banswara, Pratapgarh** (Rajasthan), and the runoff created will contribute to Mahi Bajaj Sagar dam. Currently Mahi Bajaj Sagar dam is above warning level, hence alert may be kept. Heavy rainfall of **Mahi Sagar** district (Gujarat) district will contribute to Kadana dam. Heavy rainfall of Udaipur is expected to create runoff in Sabarmati basin.

River Chambal and its tributaries in its upper reaches are also expected to rise due to Heavy rainfall in Pratapgarh, Banswara and Udaipur districts during 19<sup>th</sup> -20<sup>th</sup> September.

River Vishwamitry is expected to get increased runoff from heavy rainfall in **Vadodhara** districts. Releases from dams may be done as per SOP after informing downstream districts/ states.

River Tapi is flowing in above normal flood situation at **Rajgarh** (M.P) with falling trend. Ukai dam is currently receiving inflows of about 1000 cumecs.

### 2.2.3 Brahmani, Baitarni, Subernrekha, Mahanadi

Since in Odisha, rainfall has reduced considerably, most of the sites in upper and lower reaches of rivers Subernarekha, Brahmani, Baitarni are in steady to falling state. In tail end parts currently, River Subarnarekha and Jalka in **Balasore** District and river Mahanadi in Cuttack district are flowing in severe and above normal flood situation respectively with falling trend.

### 2.2.4 Cauvery, Palar, Agniyar - Tamil Nadu

Lower reaches of Cauvery and its tributaries in districts **Parambalur, Nagapattinam, Thanjavur & Thiruvarur**, are expected to get water level rise. Rivers such as Palar, Cheyyar, Agniyar, Gundar, Varahanadhi, Pennaiyar, Vellar, Ponnaiyar are expected to get runoff. Hence alert may be kept in districts **Thiruvannamalai, Kallakkurichi, Pudukkotta, Madurai & Ariyalur**.

### 3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 18<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	Srisaillam	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	Chikmagaluru/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	Totladi	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	Janigir 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.