



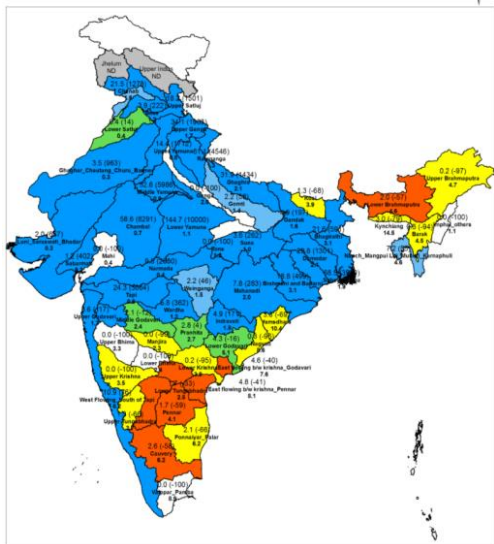
Central Water Commission
Flood Situation Report cum Advisories
18-10-2021

1.0 Rainfall Situation

1.1 Significant Amount of Rainfall & Basin wise departure from normal of daily rainfall

Significant Rainfall Amount recorded (0830 hrs IST of yesterday to 0830 hrs IST of today) (**10 cm or more**):

RIVER BASIN RAINFALL MAP - INDIA
Date: 18-10-2021



- **West Madhya Pradesh:** Sheopur-31, Datia-17, Shivpuri-15, Bhind-14, Rajgarh, Sehore-11, Guna, Gwalior-10
- **Odisha:** Balasore-21, Mayurbhanj-13, Cuttack-11
- **Uttarakhand:** Champawat-16, Nainital-10
- **East Rajasthan:** Baran-16, Karauli-13
- **Gangetic West Bengal:** East Midnapore-12; South 24 Parganas, West Midnapore-11 each
- **Kerala & Mahe:** Thrissur-13, Ernakulam-11
- **East Madhya Pradesh:** Tikamgarh-10
- **Tamilnadu:** Coimbatore-11

Large Excess [60% or more]	Excess [20% to 59%]
Normal [-19% to 19%]	Deficient [-59% to -20%]
Large Deficient [-99% to -60%]	No Data [-100%]
No Rain	

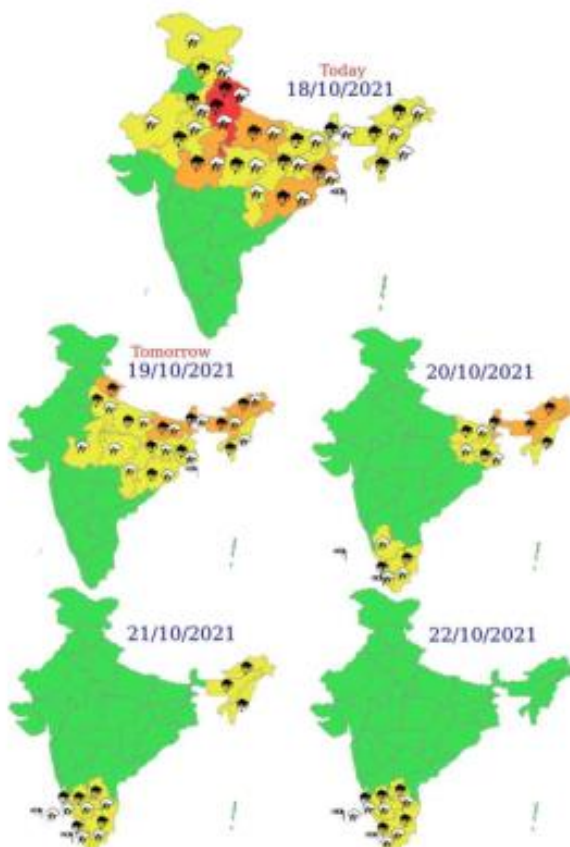
Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
b) Percentage departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 18th October, 2021 (Midday)

- **Extremely Heavy Rainfall** over Uttarakhand and West Uttar Pradesh on 18th and over Sub-Himalayan West Bengal on 19th October, 2021
- **Very Heavy Rainfall** over East Uttar Pradesh, West Madhya Pradesh, Gangetic West Bengal and Odisha on 18th; over Uttarakhand and Bihar on 19th; Sub-Himalayan West Bengal on 20th, Arunachal Pradesh, Assam & Meghalaya on 19th & 20th October, 2021

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)



2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

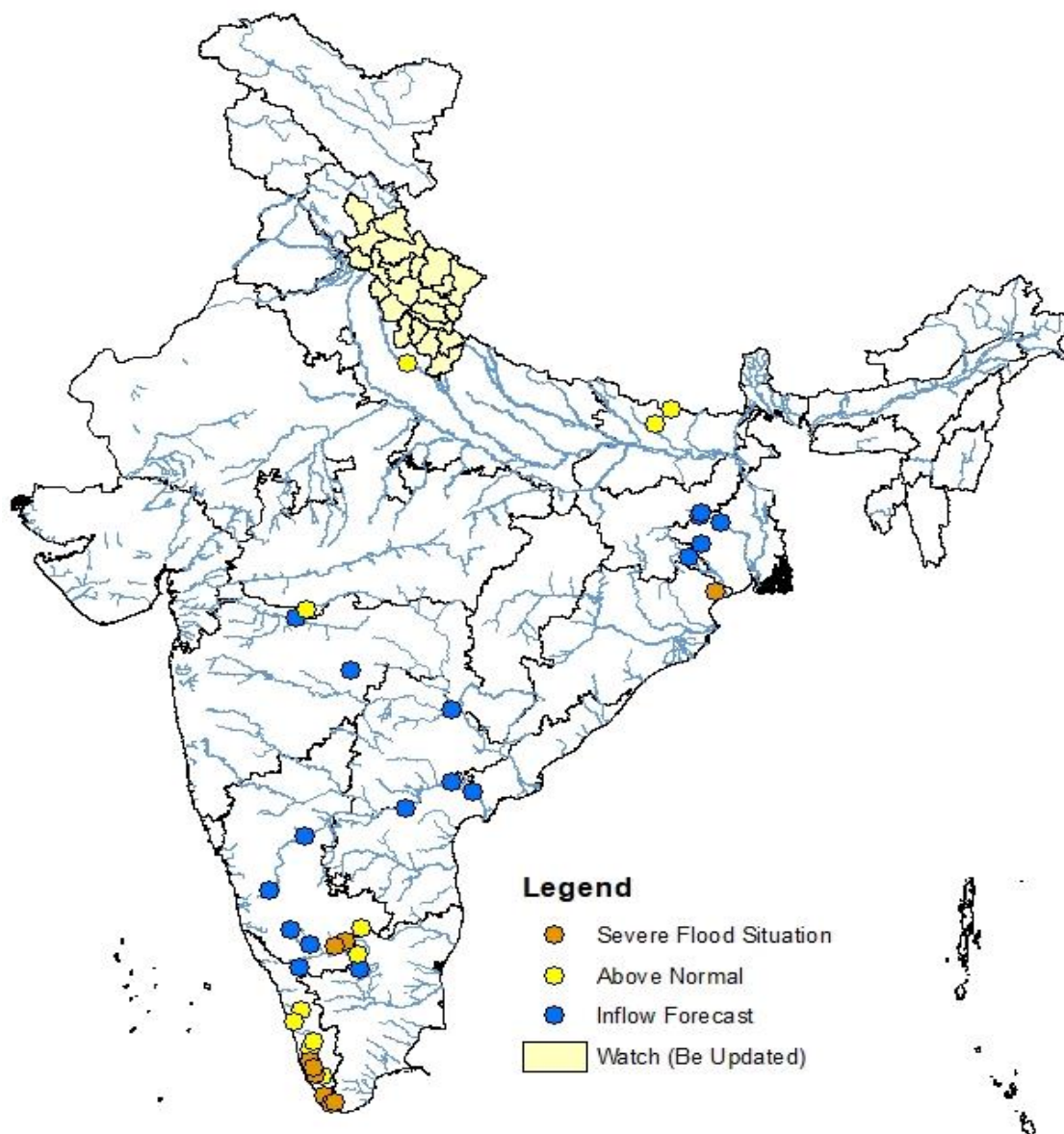
On **18th October**, 2021, as per **daily bulletin (Mid-day)**:

- **11 stations** (5 in **Kerala**, 3 in **Tamilnadu**, 2 in **Karnataka** and 1 in **Odisha**) is flowing in **Severe Flood Situation**.
- **11 stations** (4 in **Kerala**, 2 each in **Bihar & Tamilnadu** and 1 each in **Assam, Madhya Pradesh & Uttar Pradesh**) are flowing in **Above Normal Flood Situation**.
- **Inflow Forecast** has been issued for **14 Barrages & Dams** (3 each in **Andhra Pradesh & Jharkhand**, 2 each in **Karnataka, Maharashtra & West Bengal** and 1 each in **Tamilnadu & Telangana**)

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))	11
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	11
Total number of sites above Warning Level (A+B+C)		22
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)		14

Details are given at link: https://drive.google.com/file/d/1kkNCNTZ0prtITk_DXQkjSzfghD5HmZcz/view?usp=sharing

2.1.1 Flood Situation Map



2.2 CWC Advisories

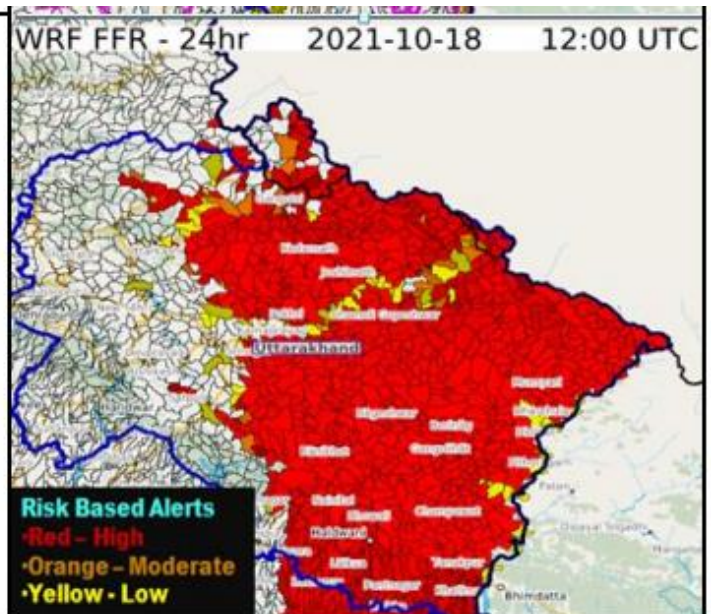
2.2.1 Uttarakhand

Water level rise is expected in rivers Sarda, Yamuna, Ganga, Alaknanda, Ramganga, Gori & Kali. Alert may be kept in all districts of Uttarakhand. Heavy rainfall may be associated with landslides and flash floods also. 24-hr outlook for flash floods issued by IMD is as below.

24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 19.10.2021:

High Risk likely over few watersheds and neighborhoods of Uttarakhand met subdivisions 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.



2.2.2 Himachal Pradesh

Extremely heavy rains can cause the water level rise in Satiuj, Beas, Ravi, Spiti & Tons, etc and its tributaries. It may also be associated with landslides and flash floods. Alert may be sounded for districts **Lahul & Spiti, Kangra, Kullu, Shimla, Solan**, etc.

2.2.3 West flowing rivers from Tadri to Kanyakumari – Kerala

Currently all flood affected rivers are in steady to falling conditions. Severe flood situation exist in rivers such as Manimala, Achankovil (**Pathanamthitta** dist.), Kallada (**Kollam** dist.), Neyyar, Karamana (**Trivandrum** dist.). Above normal flood situation exist in river Gayatri (**Trichur** dist.), Pamba (**Pathanamthitta** dist.).

2.2.3 Odisha and West Bengal

Water level of east flowing rivers in West Bengal & Odisha may rise due to heavy rainfall forecast for that region. Alert may be kept in districts **Mayurbhanj, Balasore** (Odisha); **Purba Medinipur, Howrah, North & South 24 Parganas** (West Bengal).

1.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 18th October, 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%		QPF categories (mm)							
Storage above 75%		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	NagarjunaSagar	Krishna/Lower Krishna/Krishna	AP	Nalgonda(Tel), Guntoor (AP)					
2	Srisaillam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal(Telangana), Kurnool(AP)/ Nalgonda(Telangana), Guntoor (AP)					
3	Somasila	Pennar/Lower Pennar/Pennar	AP	Kadapa(AP)/Nellore(AP)					
4	Madduvalasa	Nagavalli/Nagavalli/EFR Mahanadi &Pennar	AP	Vizianagaram					
5	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/ JaishankarBhupalpally					
6	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
7	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
8	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancherial					
9	Singur	Manjira/Manjira/Godavari	Tel	Medak					
10	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
11	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/JogalambaGadwal(Telangana)					
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	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
18	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
19	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/Shimoga					
20	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
21	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
22	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
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	Upper WardhaProj	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
29	Veer Dam	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
30	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
31	Mula	Mula/Upper Godavari/Godavari	Mah	Ahmadnagar					
32	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
33	Jaikwadi	Godavari/Upper Godavari/Godavari	Mah	Aurangabad, Ahmadnagar/Bid, Jalna					
34	Hathnur	Hatnur/Upper Tapi/Tapi	Mah	Burhanpur (MP)/Jalgaon(Mah)					

35	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
36	PoondiSatyamurthy	Kosasthalaiyar/Kosasthalaiyar/East flowing rivers between Pennar and Cauvery Basin	TN	Thiruvallur/Chennai					
37	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
38	Hirakud	Mahanadi River/Upper Mahanadi/Mahanadi	Odisha	JanjgirChampa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
39	Salandi	Salandi/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Mayurbhanj,Kendujhar/Bhadrak					
40	Edamalayar	Upper Periyar/Periyar/Periyar	Ker	Coimbatore/Ernakulam					
41	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Ker	Idduki/Ernakulam					
42	Bango	Hasdeo/Upper Mahanadi/Mahanadi	Chtgrh	Koriya,Korba/JanjgirChampa					
43	Kangsabati	KangsabatiKumari/KangsabatiKumari/Ganga	WB	Puruliya, Bankura, Midnapore, Hooghly					

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.