

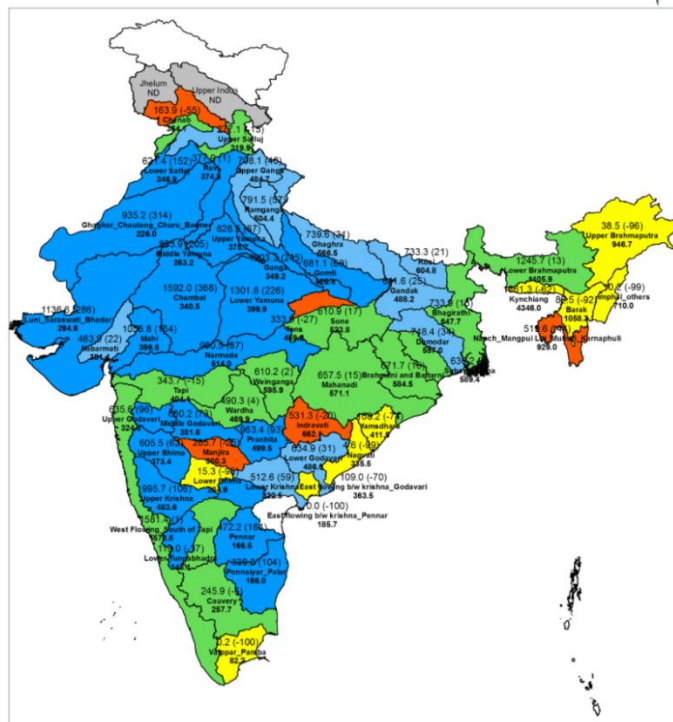


Central Water Commission
Daily Flood Situation Report cum Advisories
03-08-2021

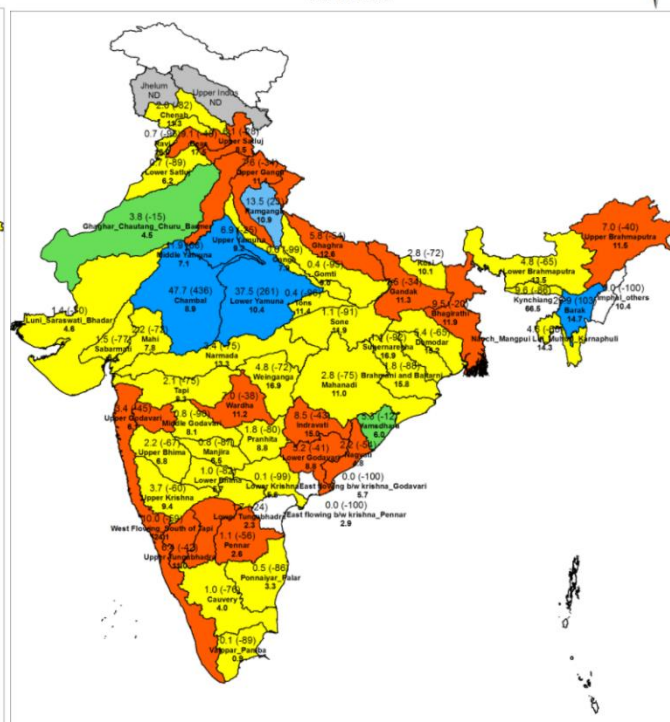
1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall

RIVER BASIN RAINFALL MAP : INDIA
 Period :01-06-2021 To 03-08-2021

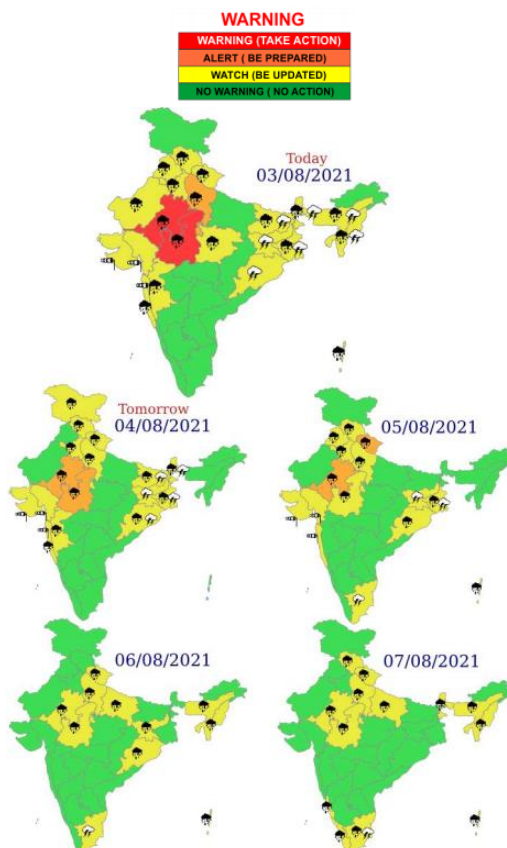


RIVER BASIN RAINFALL MAP : INDIA
 Date :03-08-2021



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 3rd August 2021 (Midday) by IMD



- Extremely Heavy Rainfall over East Rajasthan and West Madhya Pradesh on 03rd August, 2021.

2.0 Flood Situation and Advisories

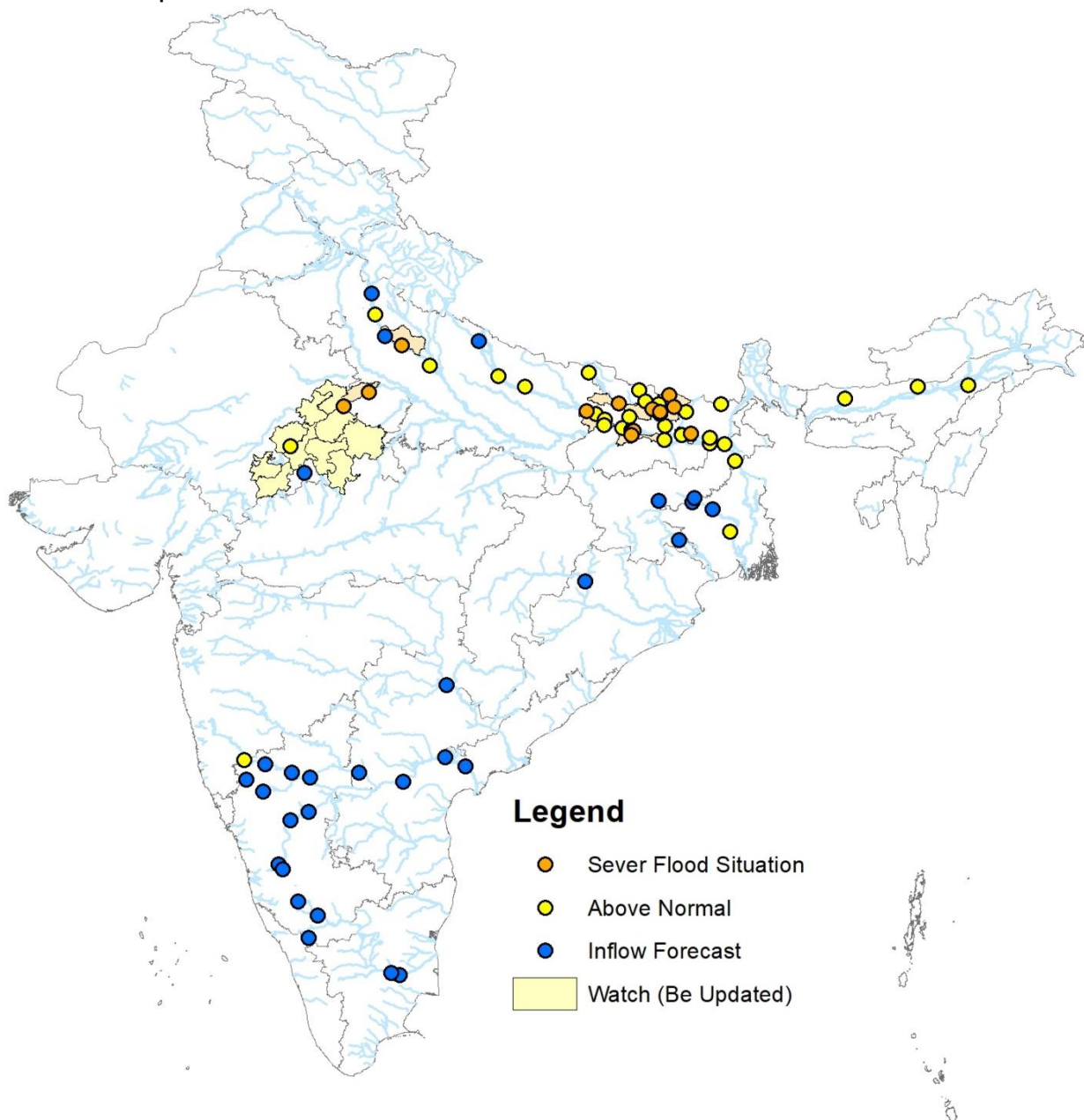
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 3rd August, 2021, 12 Stations (8 in Bihar, 2 each in Uttar Pradesh & Rajasthan) are flowing in Severe Flood Situation and 30 stations (16 in Bihar, 6 in Uttar Pradesh, 3 in Assam, 2 in West Bengal and 1 each in Maharashtra Jharkhand & Rajasthan) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 30 Barrages & Dams (12 in Karnataka, 4 each in Andhra Pradesh & Jharkhand, 3 in Uttar Pradesh, 2 each in Tamil Nadu & Telangana & 1 each in West Bengal, Odisha & Rajasthan).

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))	12
C	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)		42
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)		30

Details are given at link: <https://drive.google.com/file/d/147P2LMbkLYWW5cHZ2oMInudOIL2ul2zD/view?usp=sharing>

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Yamuna and its Tributaries - West Madhya Pradesh, East Rajasthan

As per IMD forecast the Well Marked Low Pressure Area over North West Madhya Pradesh will be practically stationary for next 24 hrs and thereafter weaken gradually. Hence the tributaries of Yamuna mainly Chambal, Ken, Tons, Dhasan, Sonar, Bearma, Kunwari, Betwa, Gambhir, Banganga, Banas, Kari & Kalisindh are expected to receive heavy flows. Hence, alert may be kept in districts such as **Sawaimadhopur, Sehore, Guna, Baran, Bhundi, Neemuch, Morena, Mandsaur, Bhind, Gwalior, Ashok Nagar, Shivpuri, Vidisha, Rajgarh, Shajapur & Agar Malwa** districts of **Madhya Pradesh**; **Bhilwara, Kota, Jaipur, Dausa, Karauli** of **Rajasthan**; **Jhansi, Lalitpur** of **Uttar Pradesh**.

As the heavy rainfall persisted over North Madhya Pradesh and adjoining Rajasthan for last 2 to 3 days flooding situations exists in districts such as **Rewa, Satna, Panna, Datia, Sheore, Shivpuri, Guna, Gwalior, etc.** Currently river Chambal at **Dholpur & Karauli** districts of Rajasthan are flowing in severe flood situation with rising trend. Kalisindh, Panchana and Ranapratapsagar dams are having capacity above 60%, hence, releases from these dams may be done as per SOP. Increased inflows are expected in Rajghat dam (Ashok Nagar dist.), Gandhi Sagar dam (Mandsaur dist.) of Madhya Pradesh; Matatila dam (Lalitpur, Uttar Pradesh); Kalisindh Dam (Jhalawar dist.), Panchana dam (Karauli dist.), Bisalpur dam (Tonk dist.) of Rajasthan.

2.2.2 Ganga basin- Uttarakhand, Uttar Pradesh & Bihar

Increased flow and flooding in Yamuna & other southern tributaries originating in Madhya Pradesh and Rajasthan such as Chambal, Sone, Tons, Ken, Betwa, Kunwari, Kalisindh, Dhasan, Sonar, Bearma, Parbati, Banas etc has raised the water level in main Ganga in the districts of **Ballia in Uttar Pradesh and Patna in Bihar**. Alert may be kept in the districts along the main Ganga stem.

River Ghaghra in Ballia, Ayodhya, Barabanki (of Uttar Pradesh), Siwan (Bihar) Districts, River Gandak in Gopalganj, Muzzafarpur Districts (Bihar) and River Ganga in Badaun, Hapur & Farrukhabad Districts of Uttar Pradesh are flowing in Severe to Above Normal Flood Situation.

Currently River Kosi in Khagaria, Supaul & Katihar districts, River Bagmati in Muzzafarpur & Sitamarhi districts, River Gandak in Gopalganj Dt, River Adhware in Darbhanga District, Rivers Kamla & Kamlabalan in Madhubani Dt, River Burhi Gandak in Khagaria & Samastipur Districts, River Araria in Parman Dt, River Ghaghra in Siwan Dt and River Mahananda in Purnia Dt of Bihar are flowing in Severe to Above Normal Flood Situation.

2.2.5 Godavari and Krishna basin- Maharashtra, Telangana, Andhra Pradesh & Karnataka

Godavari basin: Water Levels in Godavari in Maharashtra have fallen after the recent flood wave. Sriramsagar (>90%), Karanja, Sri Pada Yellampally (>80%), Yeldari, Kaddam are having storages >70% and above. Releases are to be done as per SOP. As PVN Rao Kantapally (Sammakka Barrage), is passing (1,25,000 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 Perur to Dowlaiswaram to be watchful.

Krishna Basin: The inflows into major dams such as Almatti, Narayanpur, P D Jurala, Singatluru & Sunkesula barrage, Tungabhadra, Srisaillam & Nagarjunasagar dam is now in steady to falling trend, whereas Pulichintala project is receiving inflows with rising trend. However, storages in almost all reservoirs are near to FRL, hence, releases from these dams may be done as per SOP. Currently, Yerala river is flowing in above normal flood situation in Sangli district (Maharashtra) and severe flood situation exist in Kolhapur district in Panchganga river.

2.2.6 Cauvery basin – Karnataka, Tamil Nadu

Inflows into Harangi, Hemavathi, Kabini and KRS dams are having steady trend. Close watch is to be maintained as the storages are high in most of the major projects. Necessary precautions may be taken for releases from dam after informing all downstream areas in Karnataka and lower riparian States. Releases from Kabini dam are being realised at Mettur dam of Salem and Dharmapuri district (Tamil Nadu).

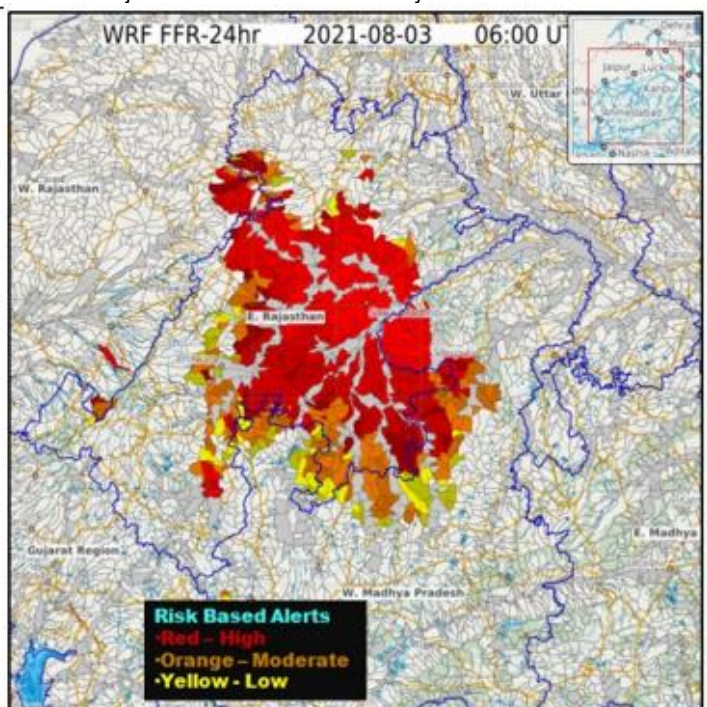
2.3 Flash Flood Guidance

IMD has issued flash flood risk over many watersheds and neighbourhood of East Rajasthan and East & West Madhya Pradesh met subdivisions.

24 hours Flash Flood Risk Outlook Till 1130 IST of 04.08.2021:

High Risk likely over few watersheds and neighborhoods of **East Rajasthan, West Madhya Pradesh met subdivisions** in next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted 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 03rd August2021

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 85%									
Storage above 60%									
		QPF categories (mm)							
		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	Pulichinthala	Krishna/Lower Krishna/ Krishna	AP	Nalgonda(Telangana)/Guntoor,Krishna (AP)					
2	Srisalam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal (Telangana), Kurnool(AP)/Nalgonda(Telangana), Guntoor (AP)					
3	Musi	Musi/Lower Krishna/ Krishna	Telangana	Nalgonda					
4	Sri padaYellampally	Godavari/Middle Godavari/Godavari	Telangana	Mancheria/ JaishankarBhupalpally					
5	Sriramsagar Project	Godavari/Middle Godavari /Godavari	Telangana	Nanded (Mah)/Nirmal (Telangana)					
6	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad, Nirmal/ Mancheria					
7	PD Jurala	Krishna/ Middle Krishna/Krishna	Telangana	Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Telangana)					
8	Panchet	Damodar/Damodar East/ Ganga	Jharkhand	Dhanbad, Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB)					
9	Maithon	Barakar/Barakar East/Ganga	Jharkhand	Dhanbad, Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB)					
10	Kabini	Kabini/Kabini/ Cauvery	Karnataka	Wayanad (Kerala)/ Mysuru (Karnataka)					
11	Harangi	Cauvery/Upper Cauvery/Cauvery	Karnataka	Kodagu/Mandya					
12	Karanja	Karanja/Manjera/Godavari	Karnataka	Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)					
13	Almatti	Krishna/Upper Krishna/Krishna	Karnataka	Kolhapur(Mah)/ Bagalkote(Kar)					
14	Narayanpur	Krishna/Upper Krishna/Krishna	Karnataka	Bagalkot, Vijayapura/ Raichur, Yaadgir					
15	KRS	Cauvery/Middle Cauvery/Cauvery	Karnataka	Mandya, Mysore					
16	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Karnataka	Gadag/Bellary, Koppal, Raichur					
17	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Karnataka	Hassan, Kodagu/Mandya, Mysore					
18	Bhadra	Bhadra/Upper Tungabhadra/Krishna	Karnataka	Chikmagaluru/Shimoga					
19	Hidkal	Ghataprabha/Ghataprabha/Krishna	Karnataka	Kolhapur (Mah)/ Belgaum (Kar)					
20	Malaprabha	Malaprabha/Malaprabha/Krishna	Karnataka	Belgaum					
21	Warana	Warana/Upper Krishna/Krishna	Maharashtra	Kolhapur, Sangli					
22	Koyna	Koyna/ Upper Krishna/Krishna	Maharashtra	Satara/Kolhapur, Sangli					
23	Yeldari	Purna/Purna/Godavari	Maharashtra	Parbhani, Hingoli					
24	Totladoh	Pench/Wainganga/Godavari	Maharashtra	Chindwara(MP)/Nagpur(Mah)					
25	Isapur	Penganga/Penganga/Godavari	Maharashtra	Hingoli, Yavatmal/Yavatmal,Nanded					
26	Veer	Nira/Upper Bhima/Krishna	Maharashtra	Pune, Satara					
27	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
28	Kalisindh	Kalisindh/Upper Chambal/Ganga	Rajasthan	Shajapur, Rajgarh(MP)/Jhalawar(Raj)					
29	Panchana	Gambhiri/Upper Chambal/Ganga	Rajasthan	Karauli					
30	SomKamlaAmba	Som/Mahi B/Mahi	Rajasthan	Udaipur/ Dungarpur					
31	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari	TN	Theni/Madurai					
32	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
33	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Kerala	Idduki/Ernakulam					
34	Edamalyar	Peiryar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Ernakulam					
35	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					

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.