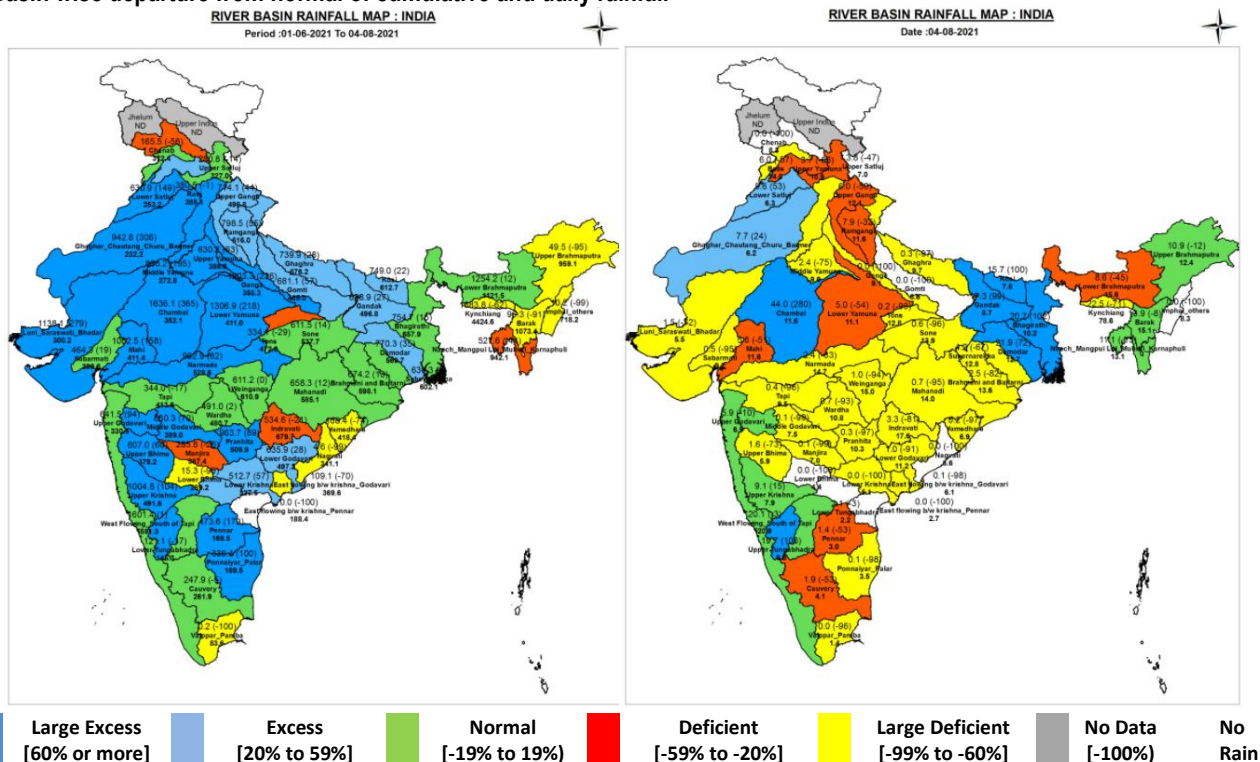




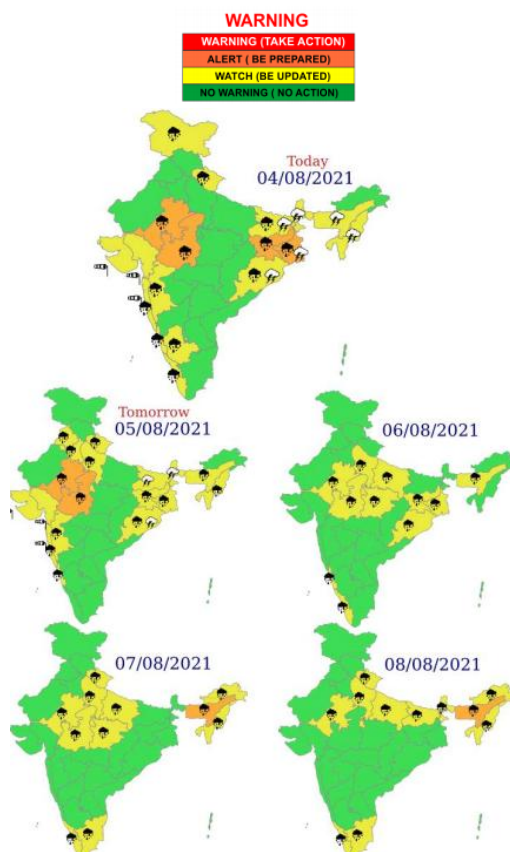
Central Water Commission
Daily Flood Situation Report cum Advisories
04-08-2021

1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall



1.2 Rainfall forecast for next 5 days issued on 4th August 2021 (Midday) by IMD



- Very Heavy Rainfall over East Rajasthan and West Madhya Pradesh on 04th & 05th; over Jharkhand and Gangetic West Bengal on 04th and over Assam & Meghalaya on 07th & 08th August, 2021

2.0 Flood Situation and Advisories

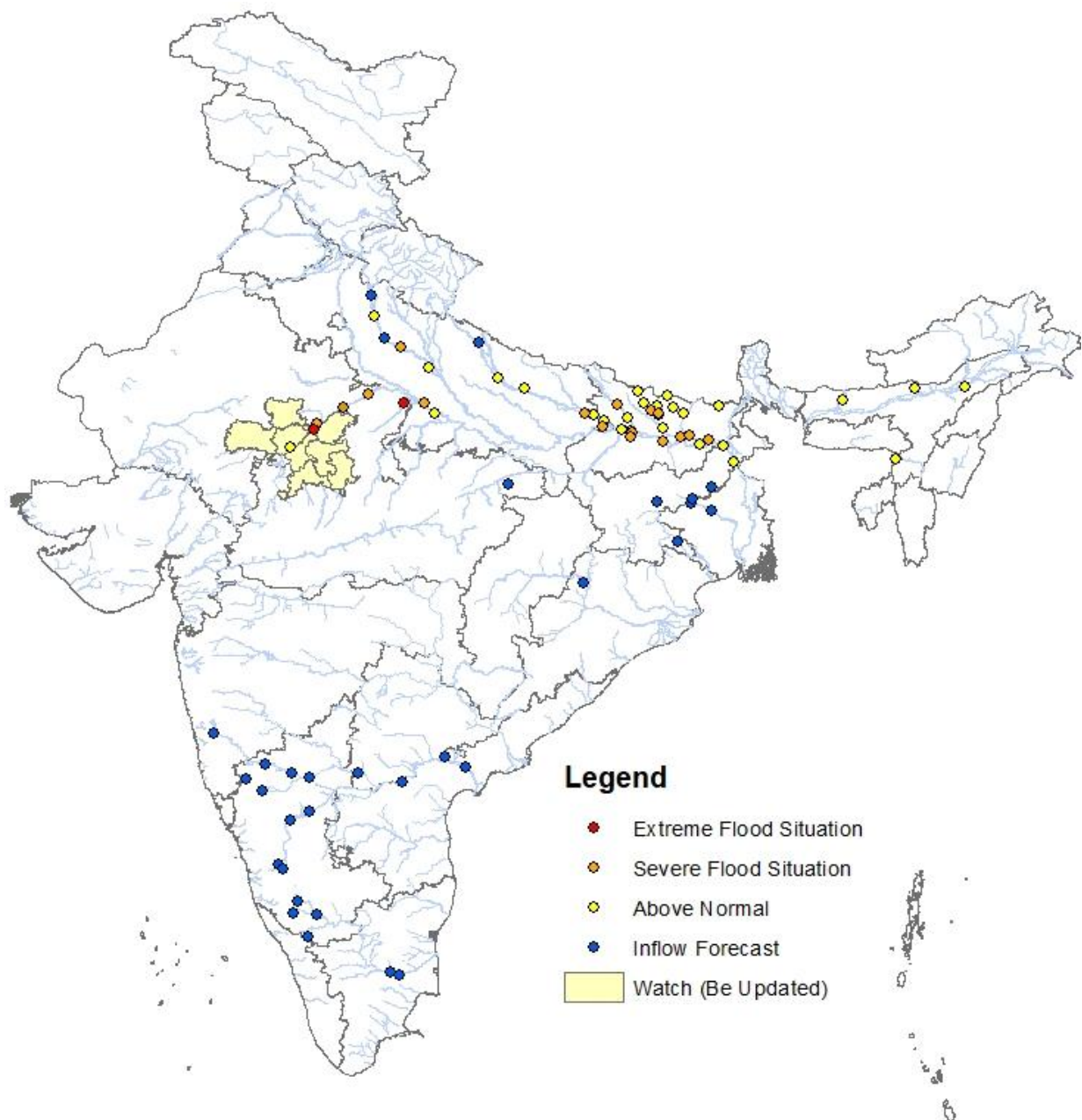
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 4th August, 2021, 2 Stations (1 each in Madhya Pradesh and Rajasthan) are flowing in Extreme Flood Situation, 17 Stations (10 in Bihar, 4 in Uttar Pradesh and 3 in Rajasthan) are flowing in Severe Flood Situation and 29 stations (15 in Bihar, 5 in Uttar Pradesh, 4 in Assam and 1 each in Jharkhand, Karnataka, Kerala, Rajasthan & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 32 Barrages & Dams (13 in Karnataka, 5 in Jharkhand, 4 in Andhra Pradesh, 3 in Uttar Pradesh, 2 in Tamil Nadu and 1 each in Madhya Pradesh, Maharashtra, Odisha, Telangana & 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)	2
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	17
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	29
Total number of sites above Warning Level (A+B+C)		48
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)		32

Details are given at link: <https://drive.google.com/file/d/1PZ3d8OGM0W4rTiYNnQ704bKBnquT-c8d/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 & Uttar Pradesh

As per IMD forecast, yesterdays Low Pressure Area over north-west Madhya Pradesh (M.P) has weakened into Low Pressure Area over the same region. It is expected that after 24 hrs the system will further weaken over the same area. IMD has predicted heavy rainfall over east Rajasthan and north-west M.P for next 2days. Since the system has weaken, the rainfall intensity is expected to decrease. But the soil moisture is very high over the said area due to continued rainfall for last 3 to 4 days, the surface flow will be high for any rainfall events for coming 2 to 3 days. Hence alert may be kept for next 2 to 3 days in the tributaries of Yamuna mainly Chambal, Ken, Tons, Dhasan, Sonar, Bearma, Kunwari, Betwa, Gambhir, Banganga, Banas, Kari & Kalisindh, mainly in districts such as **Sehore, Guna, Baran & Bhundi of M.P., Bhilwara, Tonk, Kota & Jhalawar of Rajasthan.**

Extreme to heavy flood situation existing in districts of north Madhya Pradesh and adjoining Rajasthan i.e, in the upper & middle reaches of the Yamuna tributaries are expected to decrease gradually in 2 to 3 days due to decrease in distribution and intensity of rainfall. Anyhow as the flood wave will progress downstream the water levels in main Yamuna and Ganga (reaches mainly after Farrukabad) are expected to rise in coming two to 3 days. Currently river Sind river in **Datia** district of **M.P.** is flowing in extreme flood situation with steady trend. Parwati river (**Kota** dist.), Chambal river in **Sawai Madhopur** and **Karauli** districts (Rajasthan) are flowing in severe flood situation with falling trend. Chambal river in **Dholpur** district (**Rajasthan**) and Yamuna river in **Auraiya** dist. (**U.P.**) are in severe flood situation with rising trend due to downstream progression of flood wave.

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.

Alert may be kept in Uttarakhand districts such as Dehradun, Pauri Garhwal, Nanital, Pithorgarh, Chamoli & Bageshwar as the IMD has predicted heavy rainfall.

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 Adhwa 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.

2.2.3 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.

Krishna Basin: The inflows into major dams such as Almatti, Narayanpur, P D Jurala, Singatluru & Sunkesula barrage, Tungabhadra, Srisailem & 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.

2.2.4 Cauvery basin – Karnataka, Tamil Nadu

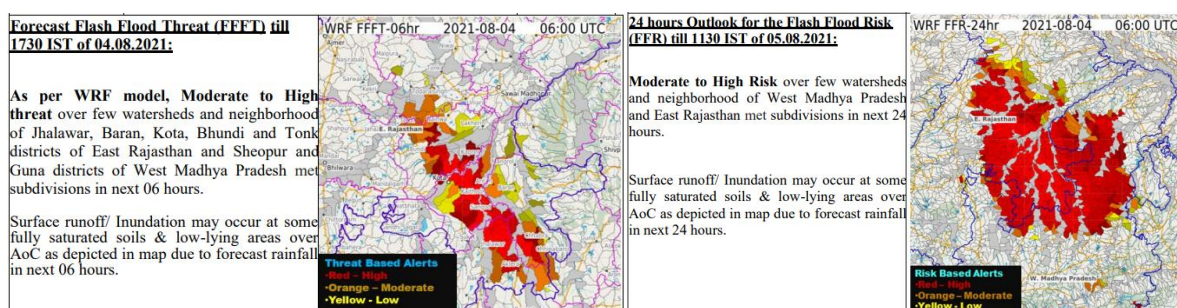
Inflows into Harangi, Hemavathi, Kabini and KRS dams are having steady trend. Close watch is to be maintained as the storages are high in most of the major projects. Necessary precautions may be taken for releases from dam after informing all downstream areas in Karnataka and lower riparian States. Releases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

2.2.5 Rivers of West Bengal

IMD has predicted heavy rainfall over West Bengal hence alert may be kept in districts Pashchim & Purba Bardhaman, North & South 24 Parganas, Howrah, Pashchim & East Medinipur as the flow in rivers Damodar, Mundeshwari, Dwarkeshwari, Rupnarayan and Ghatal is already high.

2.3 Flash Flood Guidance

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



3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 04thAugust2021

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:

QPF categories (t

Storage above 85%	
Storage above 60%	

#	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	Mancherial/ JaishankarBhupalpally					
5	Sriramsagar Project	Godavari/Middle Godavari /Godavari	Telangana	Nanded (Mah)/Nirmal (Telangana)					
6	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad, Nirmal/ Mancherial					
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	Chikmagalur/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	Kerala	Idduki/Ernakulam					

		Rivers from Tadri to Kanyakumari							
34	Edamalyar	Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Ernakulam					
35	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
36	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
37	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					

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.