

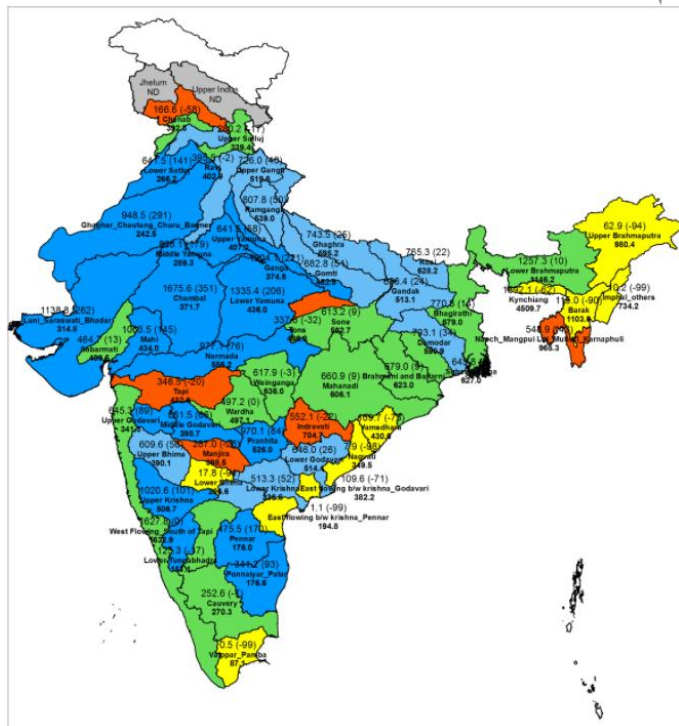


Central Water Commission
Daily Flood Situation Report cum Advisories
06-08-2021

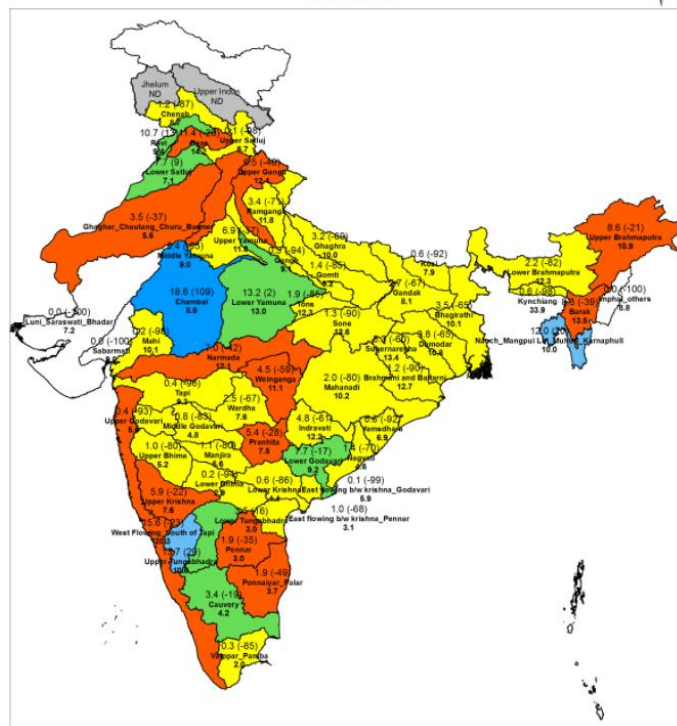
1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall

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

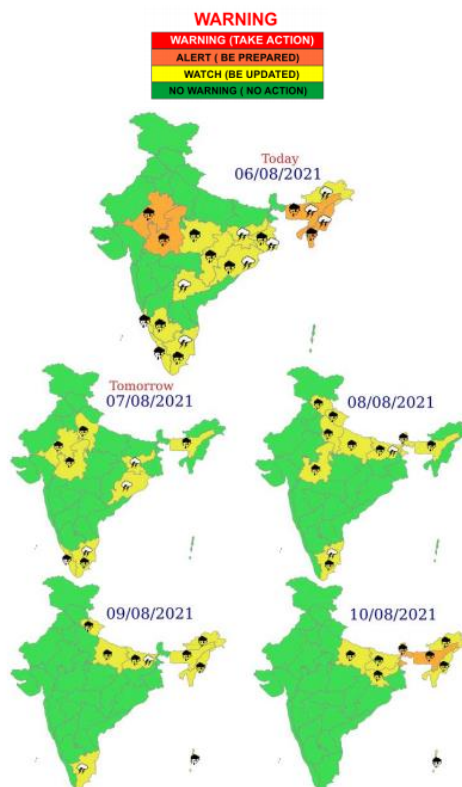


RIVER BASIN RAINFALL MAP : INDIA
 Date :06-08-2021



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 6th August 2021 (Midday) by IMD



- Very Heavy Rainfall over East Rajasthan, West Madhya Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 06th August, 2021.

2.0 Flood Situation and Advisories

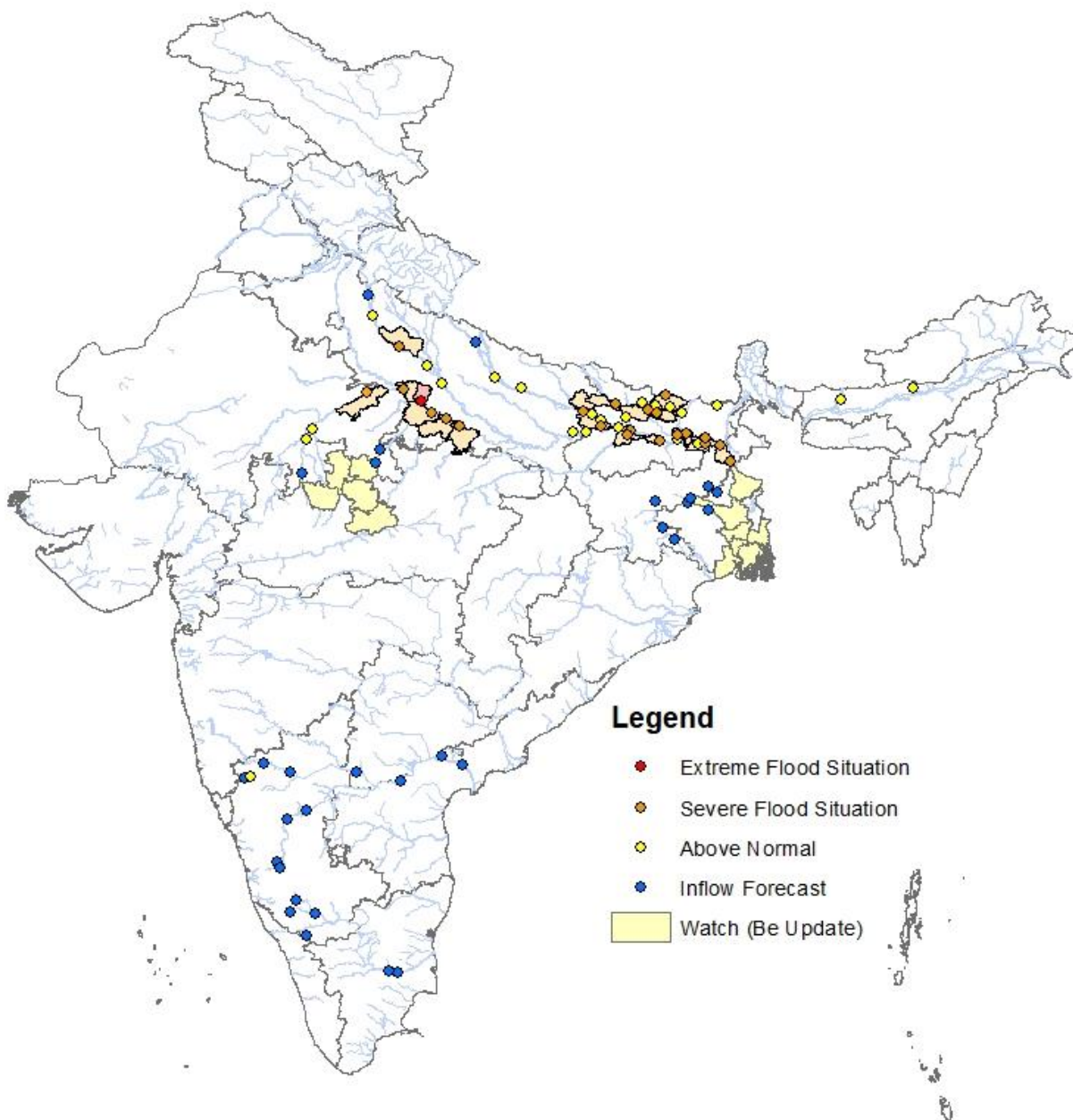
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 6th August, 2021, 1 Station in Uttar Pradesh is flowing in Extreme Flood Situation, 21 Stations (10 in Bihar, 8 in Uttar Pradesh and 1 each in Jharkhand, Rajasthan & West Bengal) are flowing in Severe Flood Situation and 26 stations (15 in Bihar, 6 in Uttar Pradesh and 2 each in Assam & Rajasthan, 1 in Karnataka) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 30 Barrages & Dams (11 in Karnataka, 6 in Jharkhand, 3 each in Andhra Pradesh & Uttar Pradesh, 2 each in Tamilnadu & West Bengal and 1 each in Madhya Pradesh, Rajasthan & 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)	1
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	21
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	26
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)		30

Details are given at link: http://cwc.gov.in/sites/default/files/dfbcwc06082021_5.pdf

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, yesterday's Low Pressure Area persists over central parts of north Madhya Pradesh (M.P.) and neighbourhood. IMD has predicted heavy rainfall in north-west M.P. for next 24 hrs. Hence, alert may be kept in the tributaries of Yamuna mainly Chambal, Betwa, Kalisindh and Parwati, mainly in districts such as **Ashoknagar, Rajgarh, Guna, Vidisha & Raisen** of M.P.

Due to persisting rainfall and releases from Kalisindh dam, **Kota** dt. on Kalisindh river is flowing above normal flood situation, similarly Parwati river is also flowing above normal flood situation. Chambal in **Dholpur** district is showing slowly rising trend. Because of high discharges from Chambal and other tributaries of Yamuna originating in east Rajasthan and West M.P., main Yamuna is in rising trend from **Etawah** dt. till its confluence in Ganga. In **Auraiya** dt., it is flowing in extreme flood situation. In **Jalaun** it is expected to cross its previous HFL of 112.98 m by 0100 hrs of 07.08.21. In **Hamirpur** and **Banda** dts, it is flowing in severe flood situation with rising trend. At **Prayagraj**, it is flowing in above normal flood situation with rising trend. Alert may be kept in downstream districts of U.P. on river Ganga after confluence with river Yamuna such as **Prayagraj, Mirzapur, Varanasi, Ghazipur and Ballia** during the next 4 to 6 days.

Kalisindh (74%), Panchana (81%) and Ranapratapsagar (85%) dams of Rajasthan are having high storages, hence releases from these dams may be done as per SOP by informing downstream Districts of lower riparian states. Rajghat dam (**Ashok Nagar** dt. of M.P) and Matatila dam (Lalitpur of U.P.) on Betwa river are getting increased inflows (>5000 cumec), and there are high releases from Rajghat dam.

2.2.2 Ganga basin- Uttar Pradesh & Bihar

River Ghaghra in Barabanki, Ayodhya & Ballia (Uttar Pradesh), Siwan (Bihar) Districts and River Ganga in Hapur, Badaun, Farrukhabad, Kanpur Nagar & Ballia (Uttar Pradesh), Buxar, Patna, Munger & Bhagalpur (Bihar), Sahebganj (Jharkand) & Murshidabad (West Bengal) districts are flowing in Severe to Above Normal Flood Situation.

Currently River Kosi in Khagaria, Supaul & Katihar districts, River Bagmati in Muzzafarpur district, River Gandak in Gopalganj & Muzaffarpur districts, River Adhwara in Darbhanga District, Rivers Kamla & Kamlabalan in Madhubani district, River Burhi Gandak in Khagaria district, River Parman in Araria district and River Ghaghra in Siwan district (Bihar) are flowing in severe to above normal flood situations.

Inflow from Yamuna and its tributaries will further increase the water level of main Ganga stem in Bihar after 4 to 5 days.

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

Godavari basin: Sriramsagar, Karanja, Sri Pada Yellampally, Yeldari, Kaddam are having high storages. Releases are to be done as per SOP by informing downstream districts of lower riparian states.

Krishna Basin: The inflows into major dams such as Almatti, Narayanpur, Tungabhadra, P.D.Jurala, Sunkesula barrage, Srisailem, Koyna, Warana, Veer & Musi projects having high storages, hence, releases from these dams may be done as per SOP by informing downstream Districts of lower riparian states.

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.

2.2.6 Brahmaputra and its tributaries - Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura

IMD has predicted heavy rains in the catchment of Brahmaputra and its tributaries and Barak & others in states Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura, hence alert may be kept. Currently river Jia Bharali at Sonitpur district and river Beki at Barpeta districts, are flowing above normal flood situations.

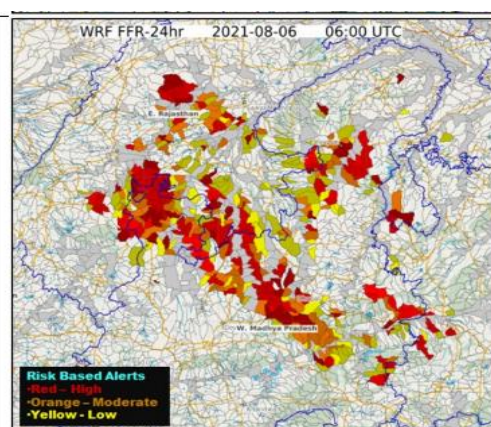
2.3 Flash Flood Guidance

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

24 hours Flash Flood Risk Outlook Till 1130 IST of 07.08.2021:

Moderate to High Risk likely over few watersheds and neighborhoods of **East Rajasthan adjoining West Madhya Pradesh, East MP, and West Uttar 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 06th August 2021

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