



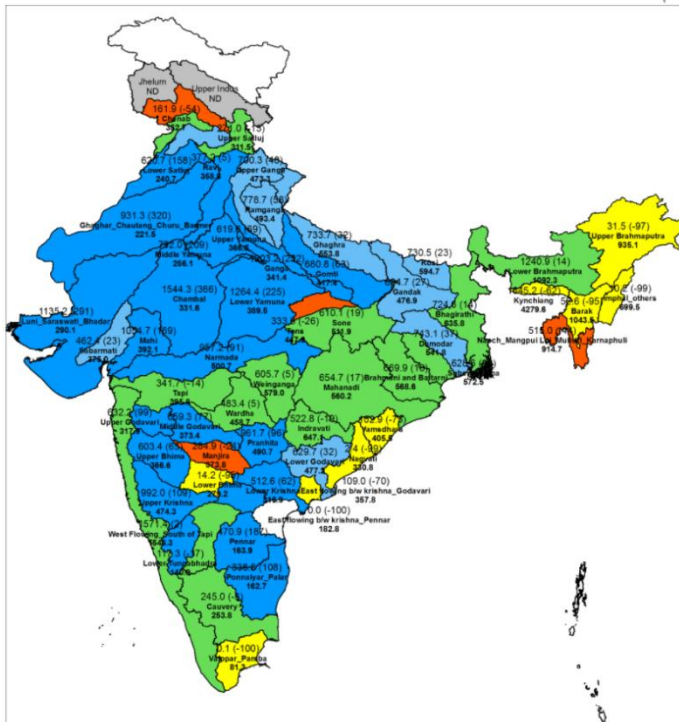
Central Water Commission
Daily Flood Situation Report cum Advisories
02-08-2021

1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall

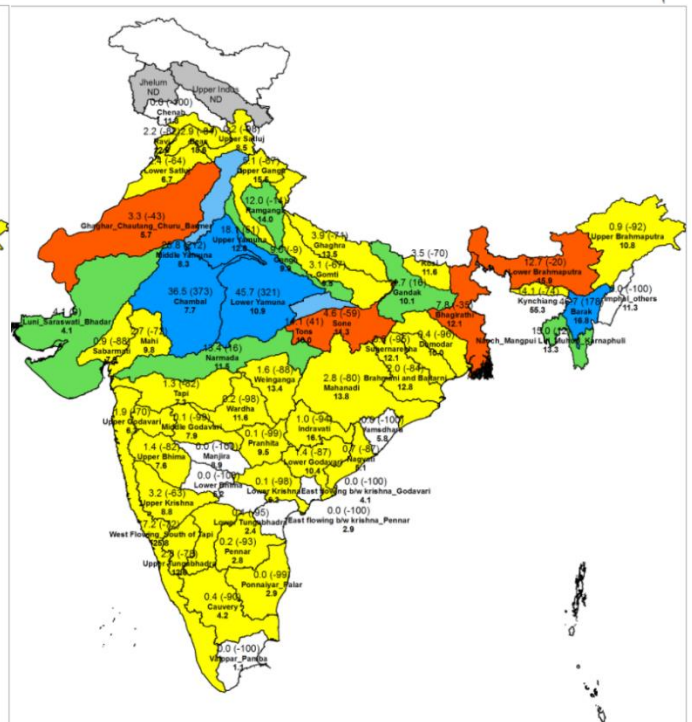
RIVER BASIN RAINFALL MAP : INDIA

Period : 01-06-2021 To 02-08-2021



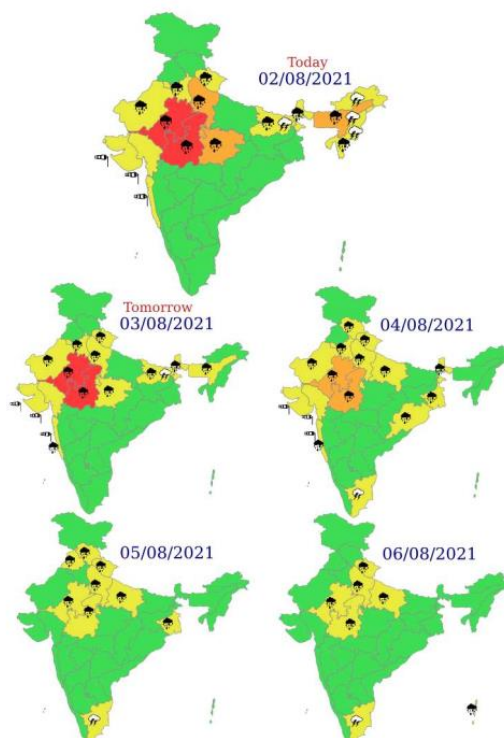
RIVER BASIN RAINFALL MAP : INDIA

Date : 02-08-2021



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 2nd August 2021 (Midday) by IMD



- Extremely Heavy Rainfall over East Rajasthan and West Madhya Pradesh during 02nd & 03rd August, 2021.

2.0 Flood Situation and Advisories

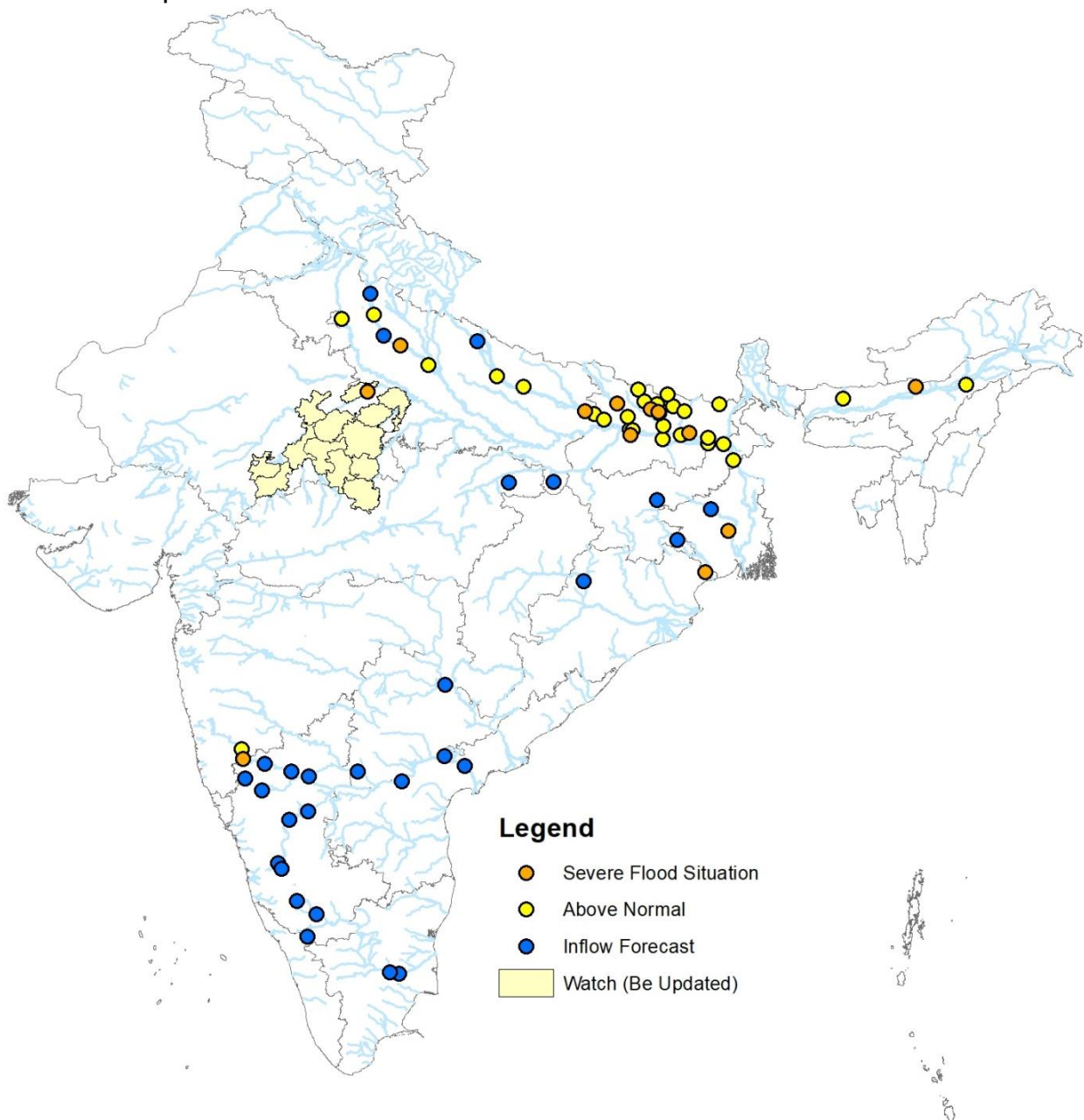
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 2nd August, 2021, 13 Stations (6 in Bihar, 2 in Uttar Pradesh and 1 each in Maharashtra, Odisha, Rajasthan, West Bengal & Assam) are flowing in Severe Flood Situation and 27 stations (17 in Bihar, 4 in Uttar Pradesh, 2 in Assam, and 1 each in Delhi, Maharashtra Jharkhand, & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 29 Barrages & Dams (12 in Karnataka, 4 each in Andhra Pradesh & Uttar Pradesh, 2 each in Tamil Nadu, Telangana & Jharkhand and 1 each in West Bengal, Odisha & Madhya Pradesh).

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))	13
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	27
Total number of sites above Warning Level (A+B+C)		40
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)		29

Details are given at link: http://cwc.gov.in/sites/default/files/cfrcwcdfb-02.08.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

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

Yamuna River is flowing in above normal flood situation at Delhi Railway Bridge with falling trend. As per IMD forecast of very heavy rains for next 2 days, 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 **Niwari, Rewa, Satna, Tikamgarh, Chhatarpur, Damoh, Panna, Bhind, Morena, Gwalior, Datia, Guna, Sehore, Rajgarh, Shajapur, Neemuch & Mandsaur** districts of **Madhya Pradesh**; **Karauli, Dausa, Alwar, Jaipur, Tonk, Swaimadholpur, Baran, Bhiwara, Bundi, Chhitaograh, Jhalawar & Kota** districts of **Rajasthan**. Alert may also be kept in **Ashok Nagar, Shivpuri, Sagar, Bhopal, Raisen, Vidisha, Chhatarpur & Tikamgarh** (of **Madhya Pradesh**), **Jhansi, Lalitpur** of **Uttar Pradesh**. 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. Currently river Chambal at **Dholpur** district of Rajasthan is 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

2.2.2 Mahi basin – Madhya Pradesh, Rajasthan

As per IMD forecast very heavy rains could occur in upper Mahi basin, so alert may be kept in districts such as **Ratlam (Madhya Pradesh) & Banswara (Rajasthan)**

2.2.2 Mahanadi, Brahmani, Baitarni, Burhabalanga, Damodar, Subarnarekha, Mayurakshi – Odisha, Jharkhand, West Bengal

The rainfall has reduced drastically in the catchment of above said basins, but heavy flow is continuing in Tenughat dam (Bokara dist.), Galudih barrage (Pashchim Singhbhum dist.) of Jharkhand & Durgapur barrage (Bardhaman dist. of West Bengal). Mundeswari river is flowing in severe flood situation in Hugli district of West Bengal. River Subarnarekha is flowing in severe flood situation in Balasore district of Odisha.

2.2.3 Ganga basin- Uttarakhand, Uttar Pradesh, Delhi & Bihar

Heavy rainfall has been forecasted in Uttarakhand on 2nd August; Heavy rains can occur over Uttar Pradesh in the next 2 days; hence rise in river levels are expected in Ganga, Alaknanda, Bagirathi, Ramganga, Sharda, Gori & Upper Yamuna river basins. There is moderate risk of flash floods in Himalayan regions of Uttarakhand during next 48 hours and hence maximum vigil has to be maintained.

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.

2.2.5 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, 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.

2.2.6 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).

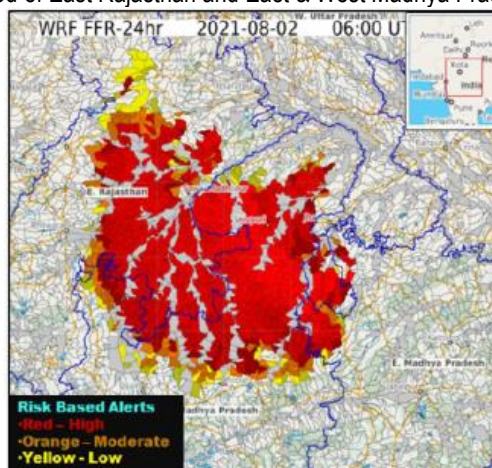
2.3 Flash Flood Guidance

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 03.08.2021:

High Risk likely over few watersheds and neighborhoods of **East Rajasthan, West & adjoining East Madhya Pradesh, 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 02nd 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
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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	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 Pada	Godavari/Middle Godavari/Godavari	Telangana	Mancherial/Jaishankar Bhupalpally					
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, Paschim Bardhaman, 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	Rana Pratap Sagar	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	Som Kamla Amba	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.