



Central Water Commission
Daily Flood Situation Report cum Advisories
05-08-2021

1.0 Rainfall Situation

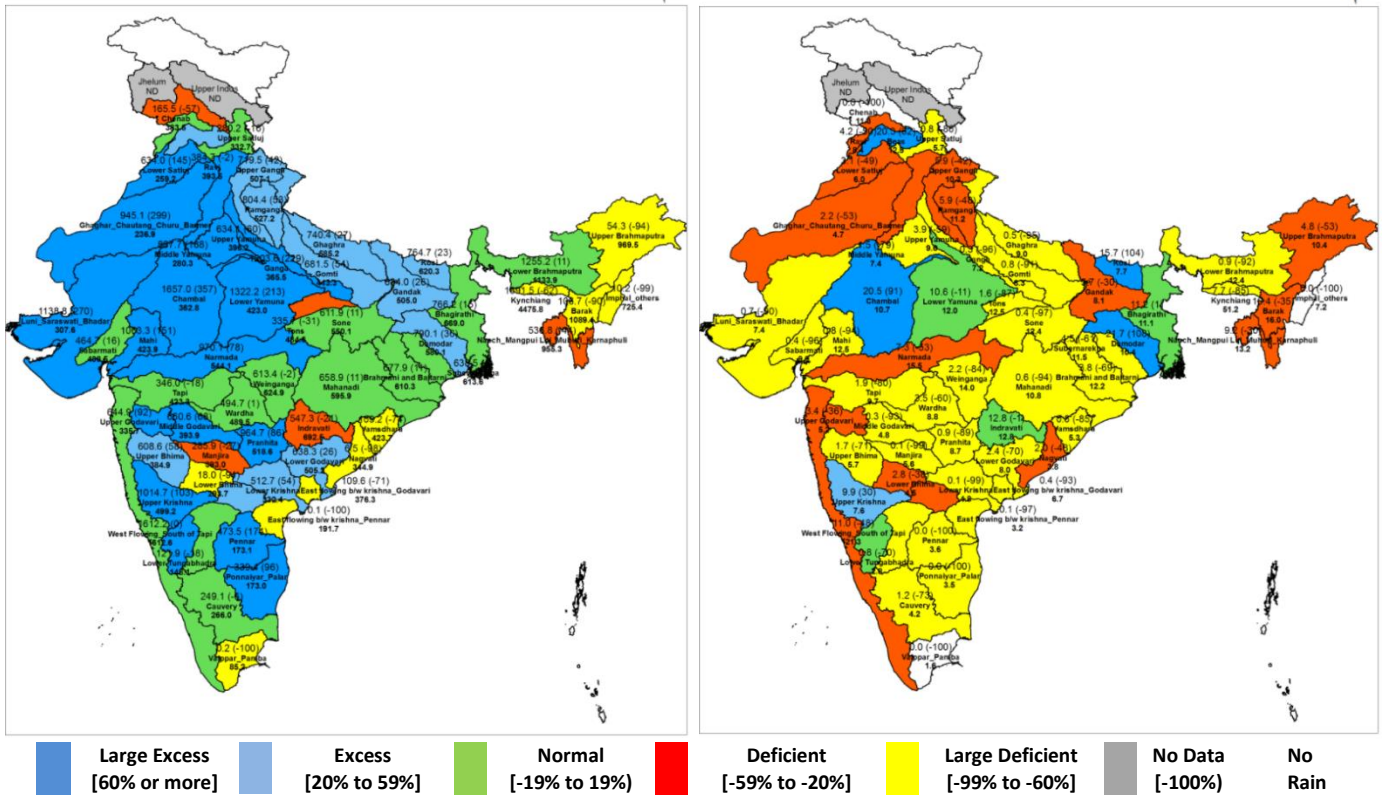
1.1 Basin wise departure from normal of cumulative and daily rainfall

RIVER BASIN RAINFALL MAP : INDIA

Period :01-06-2021 To 05-08-2021

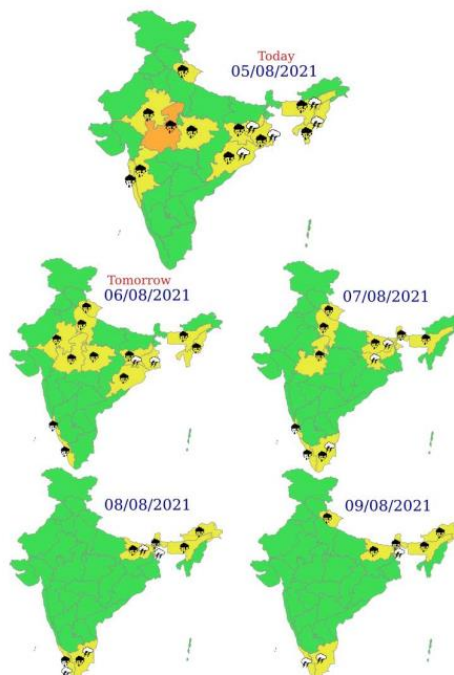
RIVER BASIN RAINFALL MAP : INDIA

Date :05-08-2021



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 5th August 2021 (Midday) by IMD



- Very Heavy Rainfall over West Madhya Pradesh on 05th August, 2021.

2.0 Flood Situation and Advisories

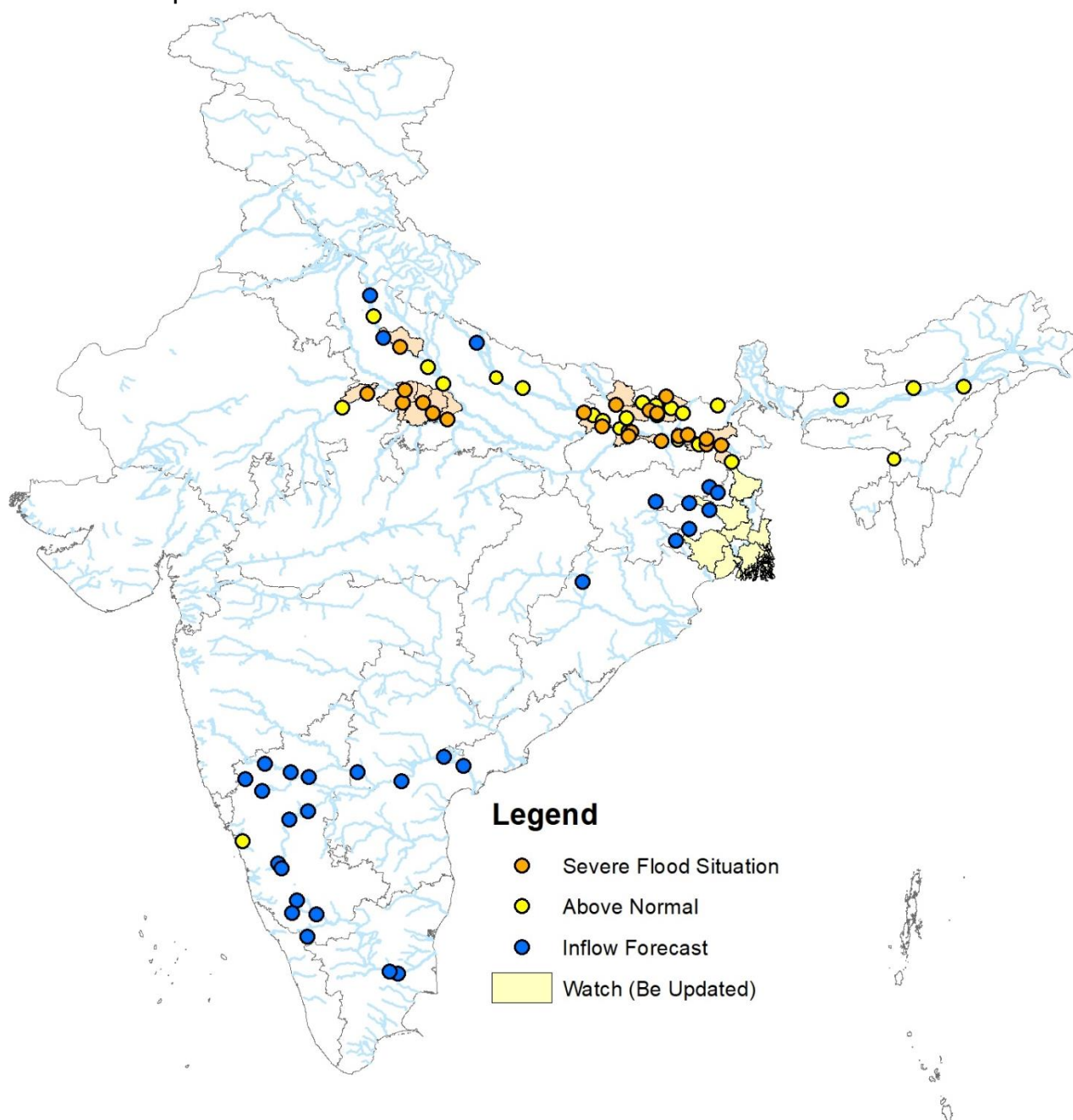
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 5th August, 2021, 22 Stations (12 in Bihar, 7 in Uttar Pradesh, 1 each in Jharkhand, Madhya Pradesh & Rajasthan) are flowing in Severe Flood Situation, 24 Stations (12 in Bihar, 5 in Uttar Pradesh, 4 in Assam and 1 in Karnataka, West Bengal & Rajasthan) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 30 Barrages & Dams (13 in Karnataka, 4 in Jharkhand 3 each in Uttar Pradesh, West Bengal & Andhra Pradesh, 2 in Tamilnadu and 1 each in Odisha & 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))	22
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	24
Total number of sites above Warning Level (A+B+C)		46
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://www.cwc.gov.in/sites/default/files/cfcrcwcdfb-05.08.2021-2_6.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 now lies over central parts of north Madhya Pradesh (M.P) and neighbourhood and it is expected that the system will weaken to upper air cyclonic circulation in 24 hours over the same area. IMD has predicted heavy rainfall in north-west M.P. for next 24 hrs. Since the system has weakened, the rainfall intensity is expected to decrease. But the soil moisture is very high over the said area due to continued rainfall for last 2 to 3 days and the surface flow will be high for any rainfall events. Hence, alert may be kept in the tributaries of Yamuna mainly Chambal, Ken, Tons, Dhasan, Sonar, Bearma, Kunwari, Betwa, Gambhir, Banganga, Banas, Kari & Kalisindh, mainly in districts such as **Ashoknagar, Baran, Rajgarh, Shajapur, Agar-Malwa & Mandsaur of M.P.**

The water levels in the upper & middle reaches of the Yamuna tributaries including Chambal are in decreasing trend. Because of progression of flood wave downstream, water levels in main Yamuna are in rising condition. The water level in upstream stations of Udi in **Etawah** District (U.P.) on river Chambal is still rising and is expected to reach its peak by tonight, the effect of this rise will be felt in **Auraiya** Dist on river Yamuna. There is 10-20% probability of river Yamuna touching HFL of 118.19 m between night of 6th and early morning of 7th August 2021. Precaution may be taken accordingly. Similarly in downstream districts like **Jalaun & Hamirpur**, water levels are in rising trend and it is expected to reach near HFL in next 48 to 72 hrs. 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 5 to 7 days.

Kalisindh (99.8%), Panchana (80%) and Ranapratapsagar (84.9%) dams are having high storages, hence releases from these dams may be done as per SOP by informing downstream Districts of lower riparian states.

2.2.2 Ganga basin- Uttar Pradesh & Bihar

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, Kanpur Nagar, Ballia & Farrukhabad (of Uttar Pradesh), Patna, Munger & Bhagalpur (of Bihar), Sahebganj (of Jharkand) & Murshidabad (of 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 Dts, River Adhwara in Darbhanga District, Rivers Kamla & Kamlabalan in Madhubani Dt, River Burhi Gandak in Khagaria Dt, River Parman in Araria Dt, River Ghaghra in Siwan Dt (Bihar) and Ayodhya, Barabanki & Ballia (of U.P) 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 5 days.

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

Godavari basin: Sriramsagar (88.7%), Karanja (81%), Sri Pada Yellampally (93%), Yeldari (74%), Kaddam (81.9%) 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, Sunkesula barrage, Srisaillam, Pulichintala project, Koyana, warana, Veer & Musi project are 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.

2.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 05th 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	AP	Nalgonda(Telangana)/Gunttoor,Krishna (AP)					
2	Srisalam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal (Telangana), Kurnool(AP)/Nalgonda(Telangana), Gunttoor (AP)					
3	Musi	Musi/Lower Krishna/ Krishna	Telangana	Nalgonda					
4	Sri	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	Gudha	Mejchambal/Upper Chambal/Ganga	Rajasthan	Bhilwara/Bundi					
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	Periyar/Upper Periyar/West flowing	Kerala	Ernakulam					

		rivers from Tadri to Kanyakumari							
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.