



Central Water Commission
Daily Flood Situation Report cum Advisories
09-08-2021

1.0 Rainfall Situation

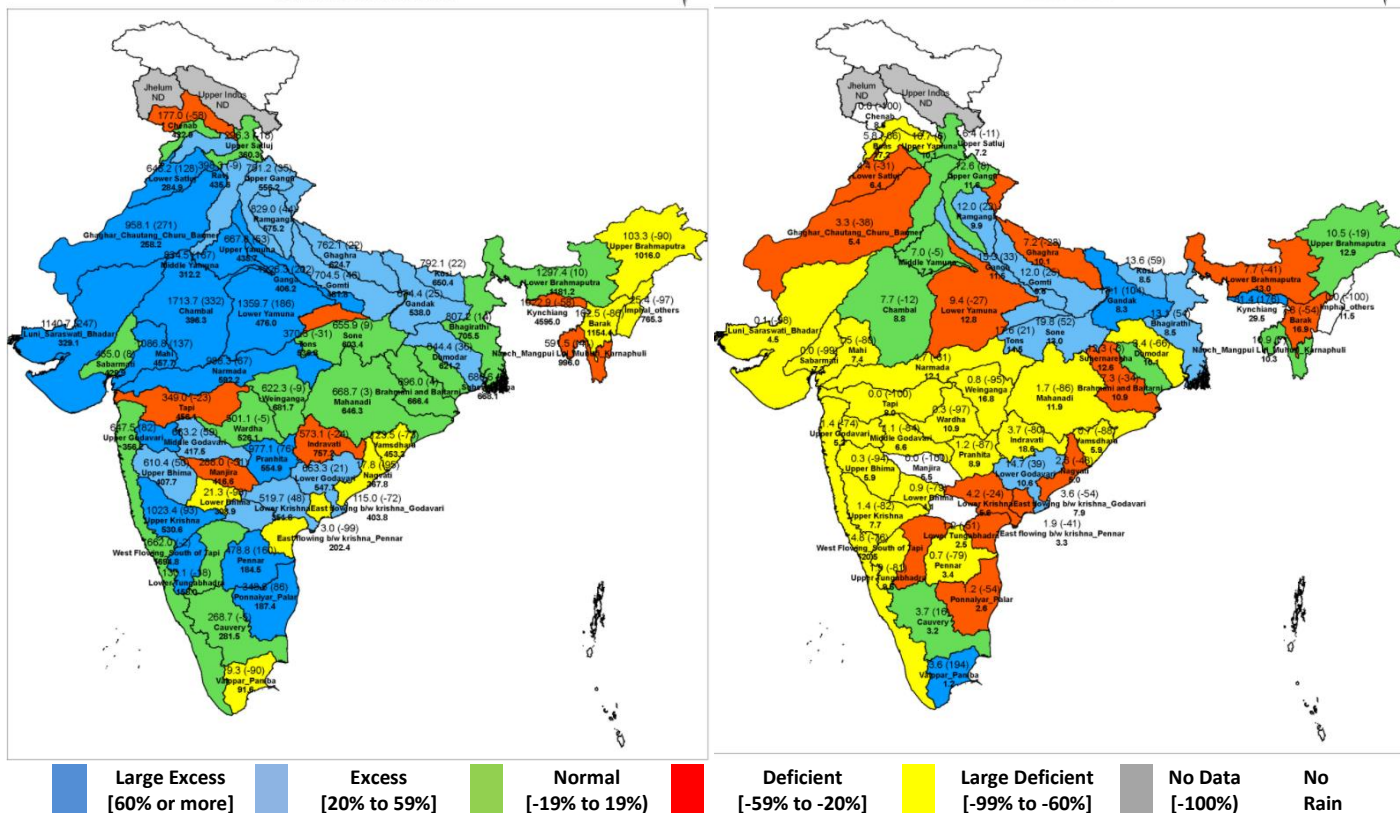
1.1 Basin wise departure from normal of cumulative and daily rainfall

RIVER BASIN RAINFALL MAP : INDIA

Period :01-06-2021 To 09-08-2021

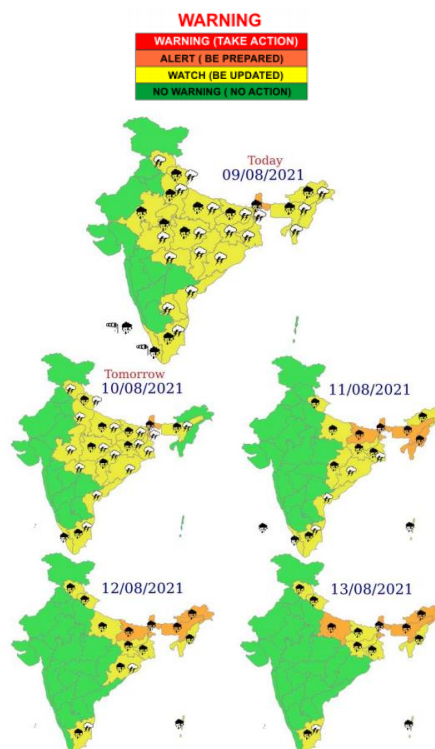
RIVER BASIN RAINFALL MAP : INDIA

Date :09-08-2021



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 9th August 2021 (Midday) by IMD



- Very Heavy/Extremely Heavy Rainfall over Sub-Himalayan West Bengal & Sikkim during next 5 days, over Assam & Meghalaya during 11th-13th August; over Arunachal Pradesh during 11th-12th August; over Nagaland, Manipur, Mizoram & Tripura on 11th August; over Bihar on 11th & 12th August; over East Uttar Pradesh on 13th August.

2.0 Flood Situation and Advisories

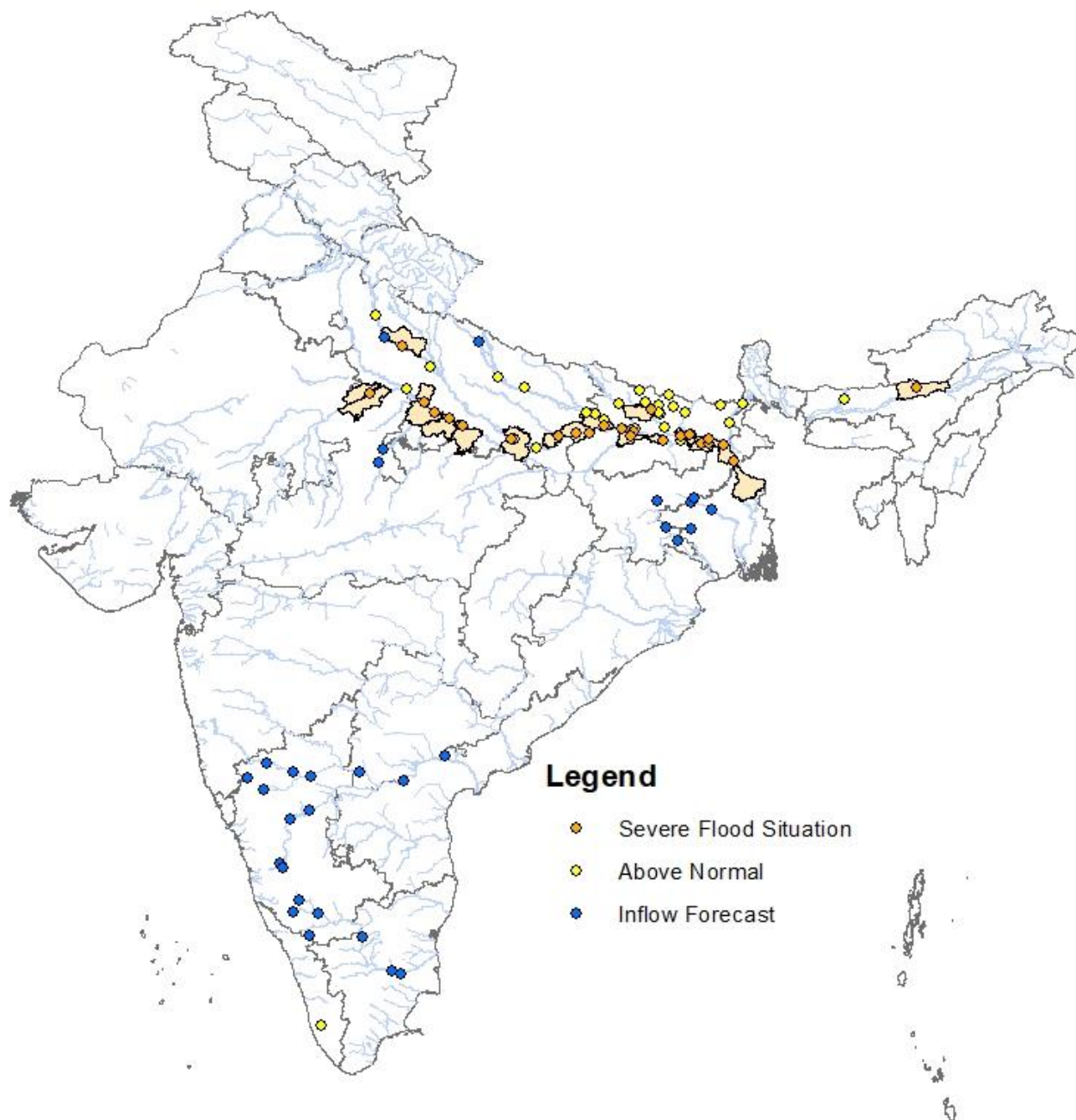
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 9th August, 2021, 27 Stations (12 in Bihar, 11 in Uttar Pradesh and 1 each in Rajasthan, Assam, Jharkhand & West Bengal) are flowing in Severe Flood Situation and 27 stations (17 in Bihar, 8 in Uttar Pradesh and 1 each in Assam & Kerala) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 31 Barrages & Dams (13 in Karnataka, 5 in Jharkhand, 3 each in Andhra Pradesh, Tamil Nadu & Uttar Pradesh and 2 in West Bengal and 1 each in Madhya Pradesh & 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))	27
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)		54
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)		31

Details are given at link: <https://drive.google.com/file/d/1WqVPJjHZCvEsxdDHsq2Q4f4FRDCQ1-ol/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

Hydrological situation in tributaries of Yamuna are gradually returning back to normal due to cease of rainfall over the area. Only in lower reaches of Chambal and Betwa flood situation exists. **Dholpur** (Chambal river) & **Hamirpur** (Betwa river) districts are in severe flood situation.

In main Yamuna, water levels in districts such as **Etawah, Auraiya, Jalaun** and **Hamirpur** are in above normal to severe flood situation with decreasing trend. From district **Banda to Prayagraj** i.e. till its confluence with Ganga, severe flood situation exists 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 2 days.

Kalisindh, Panchana and Ranapratap Sagar 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.

2.2.2 Ganga basin- Uttar Pradesh, Bihar, Jharkhand & West Bengal

Due to combined effect of river runoff from Yamuna and northern tributaries of Ganga, main **Ganga** is flowing in above normal to severe flood situations from districts **Prayagraj (U.P)** to **Murshirabad (West Bengal)** with rising trend. Alert may be kept in districts **Prayagraj, Varanasi, Ghazipur (U.P), Buxar, Patna, Munger, Bhagalpur (Bihar), Sahibganj (Jharkhand) & Malda, Murshirabad (West Bengal)**. Inflow from Yamuna and its tributaries will further increase the water level of main Ganga stem in Bihar in next 2 to 3 days. Middle reaches of Ganga river in districts such as **Hapur, Badaun, Farrukhabad, Kanpur & Ballia (Uttar Pradesh)** are in above normal to severe flood situations. River **Ghaghra** in **Barabanki, Ayodhya & Ballia (Uttar Pradesh)** and **Siwan (Bihar)** Districts are flowing in Above Normal Flood Situation.

Currently River **Kosi** in **Supaul, Khagaria & Katihar** districts, River **Bagmati** in **Sitamarhi, Muzzafarpur & Darbhanga** districts, River **Gandak** in **Gopalganj & Vaishali** districts, River **Adhwara** in **Darbhangha** District, Rivers **Kamla & Kamlabalan** in **Madhubani** district, River **Burhi Gandak** in **Samastipur & Khagaria** districts, River **Parman** in **Araria**, River **Mahananda** in **Kishanganj & Purnia** districts are flowing in severe to above normal flood situations.

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

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

Krishna Basin: Major dams such as Almatti, Narayanpur, Tungabhadra, P.D. Jurala, Sunkesula barrage, Srisailem, Koyna, Warana, Veer & Musi projects 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 Brahmaputra, Barak and its tributaries - Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura

IMD has predicted heavy rains in the catchment of Brahmaputra and its tributaries. Close watch may be kept in basins such as Teesta, Rangpochu, Rangit, Jaldhaka, Torsa & Raidak. Hence alert may be kept in districts **North Sikkim, West Sikkim, South Sikkim, East Sikkim (Sikkim), Darjiling, Jalpaiguri, Alipurduar & Coochbihar (West Bengal)**.

Currently river Jia Bharali in **Sonitpur** district is flowing in severe flood situation and river Beki in **Barpeta** districts is flowing above normal flood situation.

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 09thAugust2021

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	Srisalam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal (Telangana), Kurnool(AP)/Nalgonda(Telangana), Guntoor (AP)					
2	Musi	Musi/Lower Krishna/ Krishna	Telangana	Nalgonda					
3	Sri	Godavari/Middle Godavari/Godavari	Telangana	Mancherial/ JaishankarBhupalpally					
4	Sriramsagar	Godavari/Middle Godavari/Godavari	Telangana	Nanded (Mah)/Nirmal (Telangana)					
5	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad, Nirmal/ Mancherial					
6	PD Jurala	Krishna/ Middle Krishna/Krishna	Telangana	Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Telangana)					
7	Singur	Manjira/Manjira/Godavari	Telangana	Bidar(Kar)/Sangareddy(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					
189	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	Ujjani	Bhima/Upper Bhima/Krishna	Maharashtra	Pune, Solapur					
28	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
29	Kalisindh	Kalisindh/Upper Chambal/Ganga	Rajasthan	Shajapur, Rajgarh(MP)/Jhalawar(Raj)					
30	Panchana	Gambhiri/Upper Chambal/Ganga	Rajasthan	Karauli					
31	Gudha	Mejchambal/Upper Chambal/Ganga	Rajasthan	Bhilwara/Bundi					
32	SomKamlaAmba	Som/Mahi B/Mahi	Rajasthan	Udaipur/ Dungarpur					
33	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari	TN	Theni/Madurai					
34	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					

35	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Kerala	Idduki/Ernakulam					
36	Edamalyar	Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Ernakulam					
37	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
38	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
39	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
40	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					

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.