



Central Water Commission
Daily Flood Situation Report cum Advisories
03-09-2021

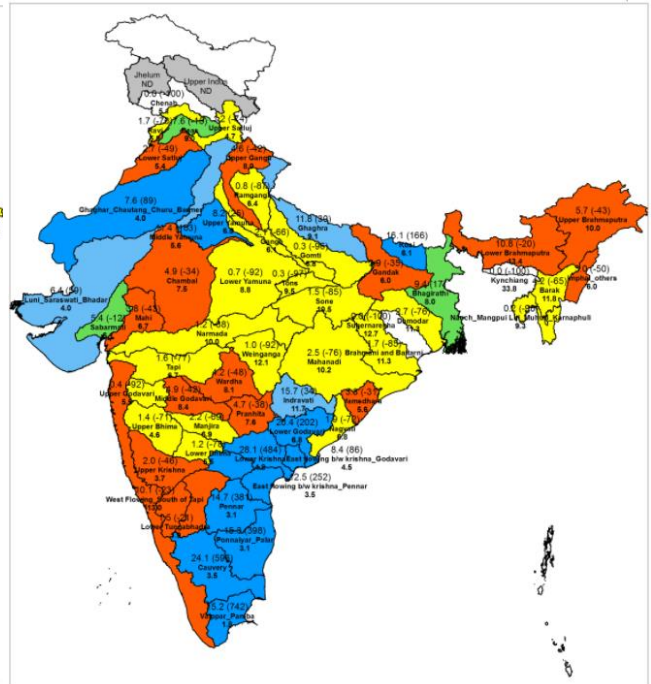
1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall

RIVER BASIN RAINFALL MAP : INDIA
 Period :01-06-2021 To 03-09-2021

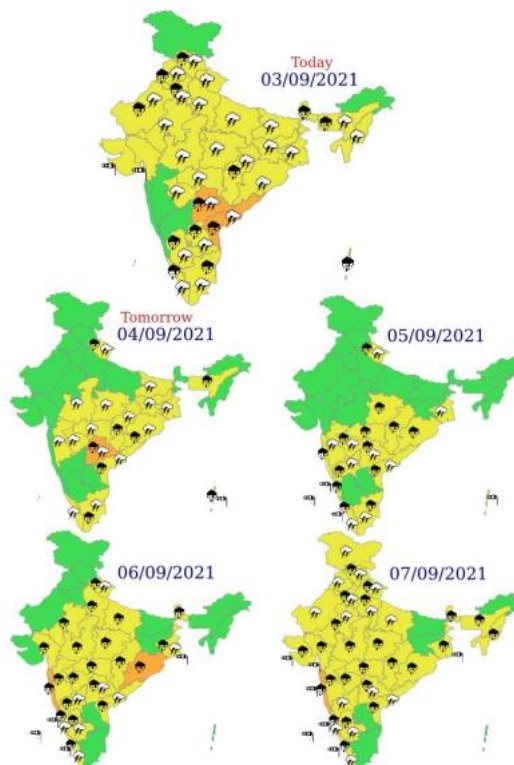


RIVER BASIN RAINFALL MAP : INDIA
 Date :03-09-2021



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 3rd September, 2021 (Midday) by IMD



- Very heavy rainfall at isolated places over Odisha on 06th; ghat areas of Madhya Maharashtra on 07th; Marathwada & Konkan & Goa on 06th & 07 th; Telangana on 03th & 04th; over Coastal Andhra Pradesh on 03rd September, 2021.

2.0 Flood Situation and Advisories

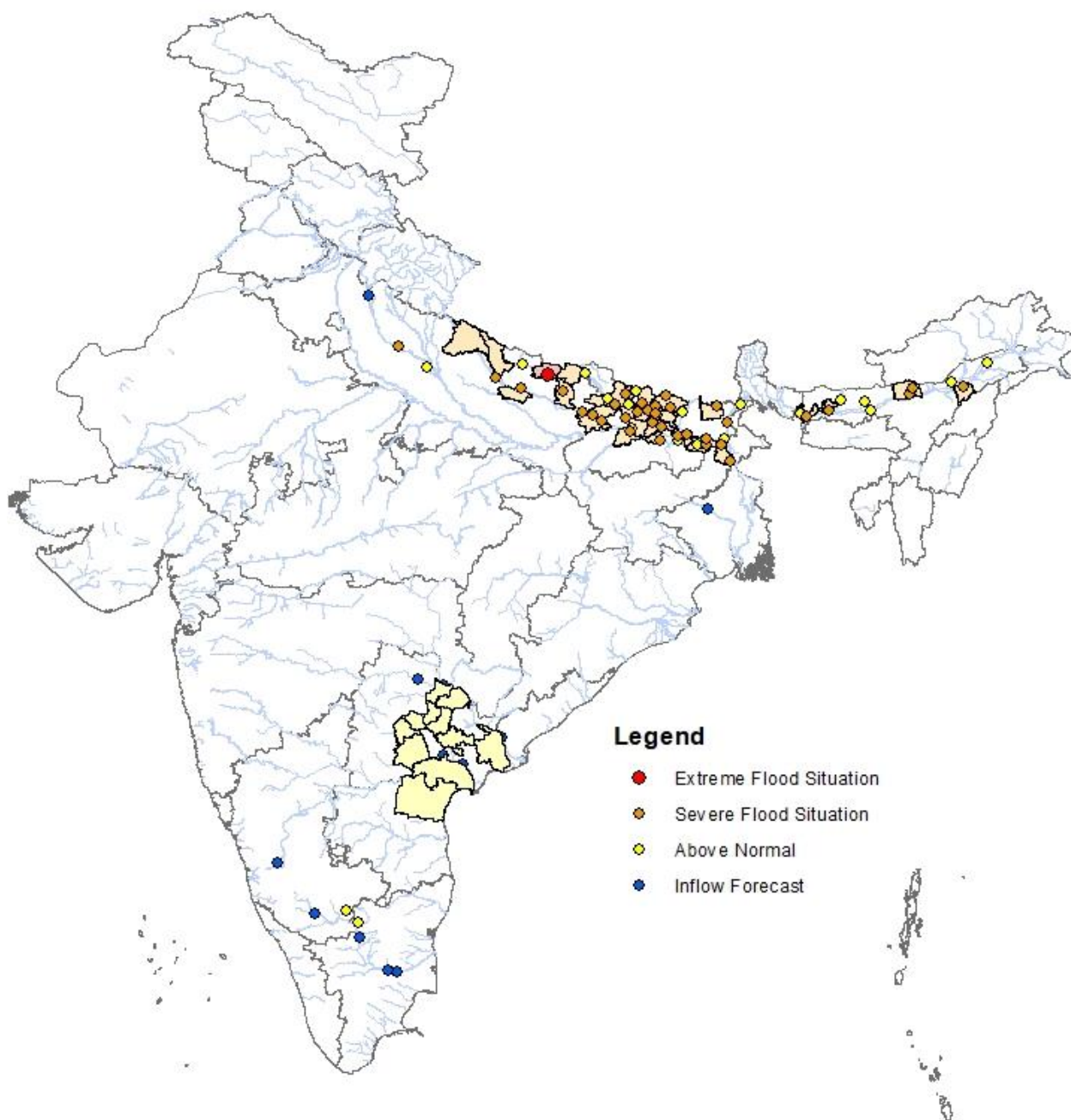
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 3rd September, 2021, 1 station in Uttar Pradesh is flowing in Extreme Flood Situation, 35 Stations (23 in Bihar, 5 each in Assam & Uttar Pradesh and 1 each in Jharkhand & West Bengal) are flowing in Severe Flood Situation and 21 stations (10 in Bihar, 6 in Assam, 3 in Uttar Pradesh and 1 each in Karnataka & Tamilnadu) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 13 Barrages & Dams (3 each in Andhra Pradesh & Tamilnadu, 2 each in Karnataka, Telangana & Uttar Pradesh and 1 in 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)	1
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	35
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	21
Total number of sites above Warning Level (A+B+C)		57
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)		13

Details are given at link: http://cwc.gov.in/sites/default/files/dfb-cwc-dated03092021_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Ganga Basin- Uttar Pradesh, Bihar, Jharkhand & West Bengal

2.2.1.1 Uttar Pradesh

Presently, river **Ghagra** is flowing above Danger Level in **Barabanki, Ayodhya & Ballia** districts with receding trends. River **Rapti** is flowing in extreme to severe flood situations in **Balrampur, Siddharth Nagar & Gorakhpur** districts falling trend. The Rapti river is flowing in extreme flood situation at Bansi in Siddharth Nagar district. Currently water levels at the said station is 0.4 m above its previous HFL (attained in August, 2017), as per CWC forecast, by 04.09.2021 08:00 AM the water level is expected to fall to 85.85 m. River **Gandak** in **Kushinagar** district is flowing in above normal flood situation with rising trend. Main Ganga is flowing in severe to above normal flood situation in middle reaches such as Budaun and Farrukhabad with falling trend.

2.2.1.2 Bihar

Presently, river **Ghagra** is flowing above Danger Level in **Siwan** district with steady trend. River **Gandak** in **Purba Champaran, Gopalganj, Vaishali & Muzaffarpur**, River **Burhi Gandak** in **Purba Champaran, Muzaffarpur, Samastipur & Khagaria**, River **Bagmati** in **Muzaffarpur & Darbhanga**, River **Adhwara** in **Darbhanga**, Rivers **Kamla & Kamlabalan** in **Madhubani**, River **Kosi** in **Supaul, Khagaria & Katihar**, River **Parman** in **Araria** and River **Mahananda** in **Kishanganj, Purnia & Katihar** districts are flowing in severe to above normal flood situations. Rivers such as Kosi & Mahananda are flowing in rising trends. Gandak, Parman, Adhwara & Kamla are having falling trends. River Gandak is flowing in falling to steady trend in upper reaches and in rising trend in lower reaches. River Bagmati is flowing in falling trend in upper reaches and in steady trend in lower reaches.

Presently, main Ganga River is flowing in above normal to severe flood situations in districts **Patna** (in falling trend), **Munger & Bhagalpur** districts with rising trends. As the tail end sites of northern side tributaries of Ganga such as Ghagra, Gandak, Kosi are in severe flood situations, the existing flood situation in Ganga from Patna to Murshirabad is likely to continue for coming days.

2.2.1.3 Jharkhand

Main Ganga in **Sahibganj** district is flowing above danger level with rising trend.

2.2.1.4 West Bengal

Main Ganga in **Murshirabad** district is flowing above danger level with rising trend

2.2.2 Brahmaputra and its tributaries - Assam

Due to past one week rainfall, **Brahmaputra** main river is flowing in above normal to severe flood situations in **Dibrugarh, Jorhat, Sonitpur, Goalpara, Kamrup & Dhubri** districts with falling trends. Also tributaries of Brahmaputra namely **Beki** river in **Barpeta**, **Jia-Bharali** river in **Sonitpur** districts are flowing in above normal to severe flood situations with falling trends. Alert may be kept in districts **Kokrajhar and Biswanath**.

2.2.3 Cauvery, Rivers of Tamil Nadu, Tadri to Kanyakumari – Kerala and Tamil nadu

Due to presence of shear zone around 10°N, heavy rainfall has been predicted in Tamilnadu for next 2 days.

2.2.3.1 Kerala

There is rainfall alert in **Theni and Nilgris**. Heavy inflows are expected in Idukki and Edamalayar dams. As storages are more than 70%, proper reservoir operation as per standard operating manuals should be done after informing downstream areas in advance.

2.2.3.2 Tamil nadu

Alert may be kept in districts **Nilgris, Salem, Erode, Dharmapuri, Krishnagiri, Thiruppattar, Thiruvannamalai, Dindigul, Teni** and Vellore in rivers Vaniyar, Bhavani, Chittar, Cauvery, Palar, Ponnaiyar etc.

2.2.4 Godavari basin – Telangana

Due to presence of upper air cyclonic circulation over coastal Andhra Pradesh, heavy rainfall has been predicted for Telangana for next 2 days. Alert may be in districts **Jagtial, Jangaon, Jayashankar Bhoopalpally, Khammam, Mulugu, Mahabubabad, Medak, Nalgonda, Rangareddy, Sangareddy, Suryapet, Vikarabad, Warangal (Rural), Warangal (Urban), Yadadri Bhuvanagiri**. At present Manjira dam is above 65% storage and Srirasagar, Sripada Yellampally and Kaddam dam are above 90% storages, hence proper reservoir operation as per standard operating manuals should be done after informing downstream areas in advance.

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 3rd September, 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(Tel)/Guntoor,Krishna (AP)					
2	Srisaillam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal (Tel), Kurnool(AP)/Nalgonda(Tel), Guntoor (AP)					
3	NagarjunaSagar	Krishna/Lower Krishna/Krishna	AP	Nalgonda(Tel), Guntoor (AP)					
4	Musi	Musi/Lower Krishna/ Krishna	Tel	Nalgonda					
5	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancheria/ JaishankarBhupalpally					
6	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
7	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancheria					
8	PD Jurala	Krishna/ Middle Krishna/Krishna	Tel	Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Tel)					
9	Singur	Manjira/Manjira/Godavari	Tel	Medak					
10	Panchet	Damodar/ Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
11	Getalsud	Damodar/ Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
12	Konar	Konar/ Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
13	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
14	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
15	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
16	Harangi	Cauvery/Upper Cauvery/Cauvery	Kar	Kodagu/Mandya					
17	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Tel)/Bidar(Kar)					
18	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Mah)/ Bagalkote(Kar)					
19	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
20	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
21	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
22	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
23	Bhadra	Bhadra/Upper Tungabhadra/Krishna	Kar	Chikmagalur/Shimoga					
24	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
25	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
26	Warana	Warana/Upper Krishna/Krishna	Mah	Kolhapur, Sangli					
27	Koyna	Koyna/ Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
28	Yeldari	Purna/Purna/Godavari	Mah	Parbhani, Hingoli					
29	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
30	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					
31	Upper Wardha	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
32	Veer	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
33	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
34	Mula	Mula/Upper Godavari/Godavari	Mah	Ahmadnagar					
	Majlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
35	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					

36	Parwati	Parbati/Kalisindh/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
37	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
38	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
39	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
40	Som Kamla Amba	Som/Mahi B/Mahi	Raj	Udaipur/ Dungarpur					
41	Mahi Bajaj Sagar	Mahi/Mahi B/Mahi	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					
42	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery &Kanyakumari	TN	Theni/Madurai					
43	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
44	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Kerala	Idduki/Ernakulam					
45	Edamalyar	Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Ernakulam					
46	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
47	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
48	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
49	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
50	Bansagar	Sone/Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
51	Sanjay Sarovar	Wainganga/Wainganga/Godavari	MP	Seoni/Balaghat					
52	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
53	Hirakud	Mahanadi/Upper Mahanadi/Mahanadi	Odisha	Janigir Champa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
54	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
55	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					

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.