



Central Water Commission
Daily Flood Situation Report cum Advisories
04-10-2021

1.0 Rainfall Situation

1.1 Significant Amount of Rainfall & Basin wise departure from normal of daily rainfall

Significant Rainfall Amount recorded (0830 hrs IST of yesterday to 0830 hrs IST of today) (**6 cm or more**):

- Assam & Meghalaya: Sohra-14, Dhubri and Cherrapunji-8 each;
- Jharkhand: Jamshedpur-12;
- Tamilnadu: Theni-12, Dindigul-7;
- Konkan: Sindhudurg-7;
- Madhya Maharashtra: Sangli-10;
- East Rajasthan: Pratapgarh-10;
- Gujarat Region: Surat-10, Bharuch-7;
- Kerala & Mahe: Kodaikanal-7;
- Sub-Himalayan West Bengal & Sikkim: Cooch Behar-10;
- Odisha: Sundargarh-8, Malkangiri-7;
- East Uttar Pradesh: Hardoi-6;
- North Interior Karnataka: Bangalore-6.

Large Excess [60% or more]	Excess [20% to 59%]
Normal [-19% to 19%]	Deficient [-59% to -20%]
Large Deficient [-99% to -60%]	No Data [-100%]
No Rain	

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 4th October, 2021 (Midday) by IMD

Very Heavy/extremely heavy Rainfall over:

- West Assam & Meghalaya on 04th October 2021;
- Tamilnadu, Puducherry & Karaikal and Kerala & Mahe on 04th & 05th October 2021;
- South Interior Karnataka on 05th October 2021; and
- Coastal Karnataka on 06th October 2021.

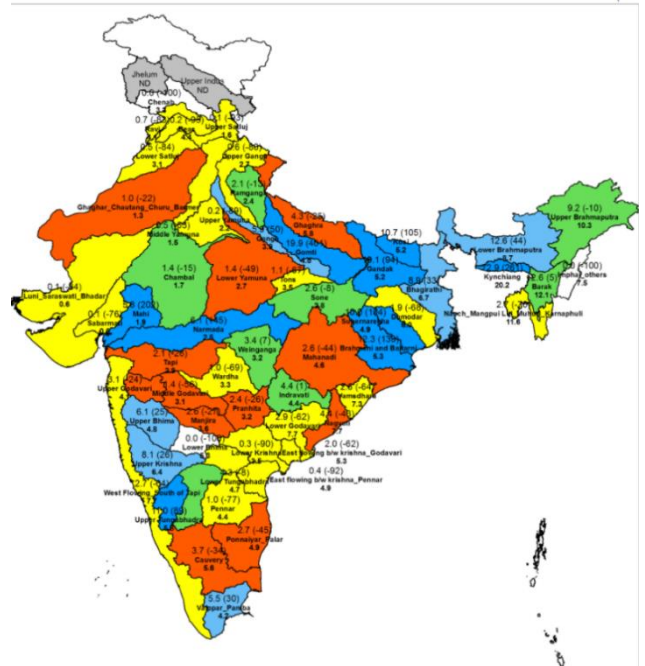
2.0 Flood Situation and Advisories

2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

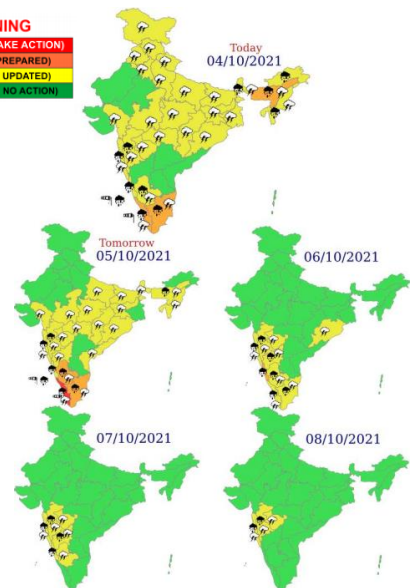
On 4th October, 2021, as per daily bulletin (Mid-day):

- 3 stations in Bihar are flowing in Severe Flood Situation,
- 19 stations (12 in Bihar, 4 in Uttar Pradesh and 1 each in Assam, Jharkhand & West Bengal) are flowing in Above Normal Flood Situation.
- Inflow Forecast has been issued for 26 Barrages & Dams (5 in Karnataka, 4 each in Andhra Pradesh, Telangana, Jharkhand & Tamilnadu, 2 in West Bengal and 1 each in Maharashtra, Odisha, & Gujarat).

RIVER BASIN RAINFALL MAP : INDIA
Date :04-10-2021



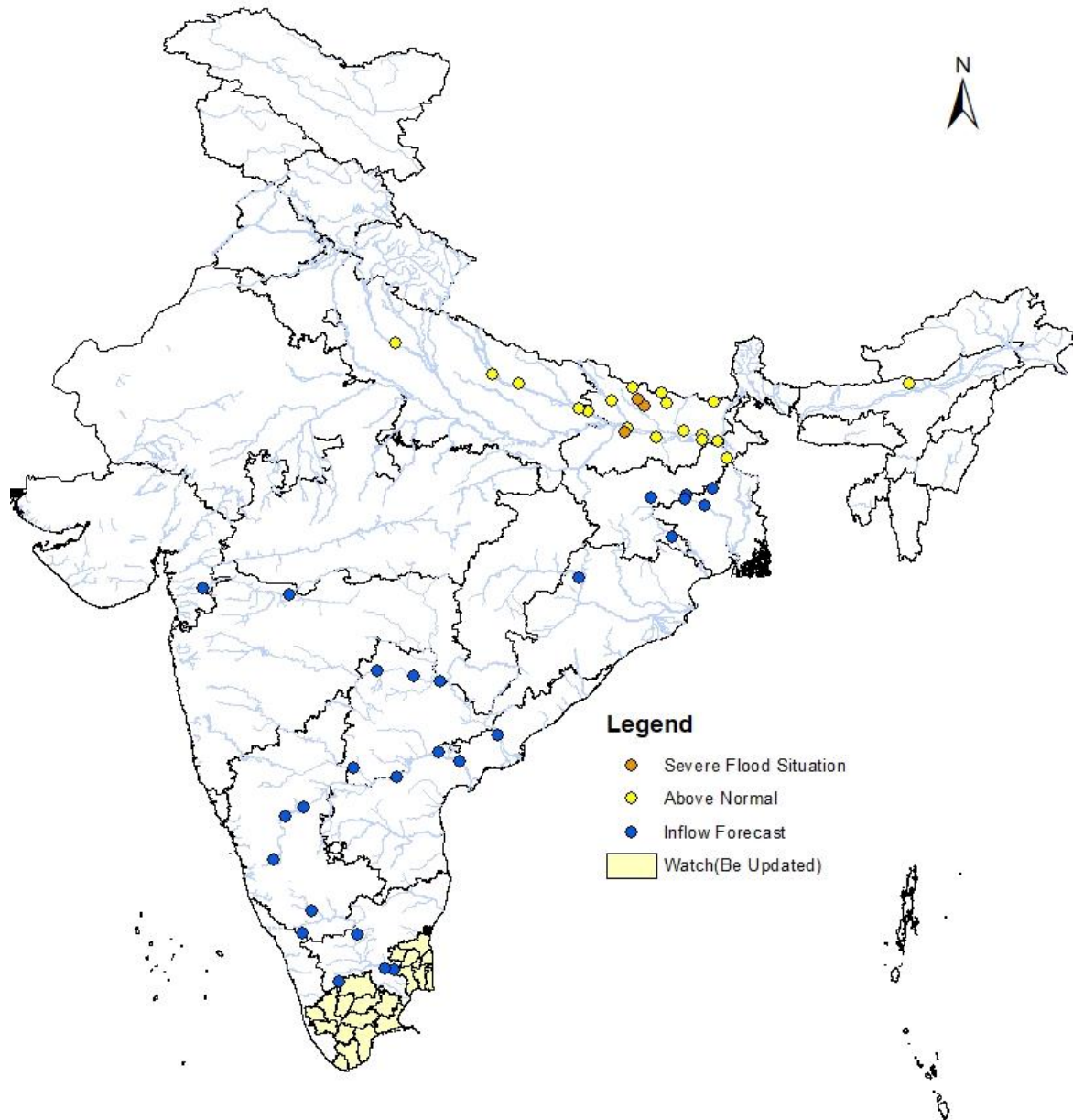
WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)



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))	3
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	19
Total number of sites above Warning Level (A+B+C)		22
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)		26

Details are given at link: http://www.cwc.gov.in/sites/default/files/cfrcwcdcfb04-10-2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Ganga and its Tributaries - Bihar

Past 2 to 3 days heavy rains in North Bihar and adjoining catchment in Nepal have raised the water level of Northern tributaries of Ganga viz. Ghagra, Gandak, Burhi Gandak, Adhwara, Bagmati & Kosi. Water level of southern tributary Punpun has also risen. River **Bagmati** is flowing in severe flood situation with rising trend in **Muzaffarpur** district. River **Punpun** is flowing in severe flood situation in districts **Patna & Jhehanabad** with falling trends. River Burhi Gandak (**Khagaria** dist.), Adhwara (**Darbhanga** dist.), Kosi (**Khagaria & Katihar** dists.) and Parman (**Araria** dist.) are flowing in above normal flood situation with rising trends. Rivers **Kamalabalan** is flowing in above normal flood situation with falling trend in district **Madhubani**. Since pressure system has moved over the region the abatement of water levels in above said rivers will occur gradually.

2.2.2 Teesta, Brahmaputra & its tributaries

2.2.2.1 Sub-Himalayan West Bengal and Sikkim

Water level rise is expected in the rivers Raidak, Torsa, Sankosh and other tributaries of Brahmaputra.

2.2.2.2 Assam

Alert may be kept in districts **Baksa, Chirang, Kokrajhar, Bongaigaon & Dhubri** for rivers Aie, Manas, Champamati, Sankosh, Puthimari, Kalanadi, Suklai, Gaurang and other northern tributaries of Brahmaputra over the region.

2.2.3 Cauvery, Krishna, East Flowing rivers between Pennar and Kanyakumari, West flowing rivers in Kerala

2.2.3.1 Tamil Nadu

IMD has predicted heavy rainfall during 04th to 5th October over **Teni, Dindigul, Shivganga, Ramanathapuram, Madurai, Virudhunagar, Tenkasi, Tuticorn, Thirunelveli & Kanyakumari**. Watch/alert for water level rise should be maintained in rivers Cauvery, Agniar, Pambar, Kottakaraiar, Vaigai, Gundar, Vaippra, Kollar, Tambraparni, Nambiar, Kodaiyar and its tributaries and other rivers over the said regions.

2.2.3.2 Kerala

Water level rise in the west flowing rivers of Kerala, such as Bharathapuzha, Meenachil, Periyar, Pamba, Lower Periyar, Upper Periyar etc are possible due to heavy rainfall forecasted from 4th to 05th October. Alert may be kept in districts **Malappuram, Palakkad, Kottayam, Idukki & Pattanamthitta**. Presently Idukki, Idamalayar and other major dams are having high storages, hence, releases may be done after informing downstream areas in advance.

2.2.3.3 Karnataka

Alert should be kept in rivers such as Kabini, Hemavathy, Yagachi, rivers of upper and middle Cauvery and rivers of Krishna such as Bhadra and Tunga mainly in Districts **Hassan, Chickmagalur and Shimoga**. Presently, Upper Tunga, Hemavathi, Bhadra dams in the said region are having high storages, hence, releases may be done after informing downstream areas in advance.

2.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 4th October, 2021

Reservoirs shown in red are having gross storage capacity more than 90% and those in orange are having gross storage greater than 75%. 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 90%									
Storage above 75%									
		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	Nagarjuna Sagar	Krishna/Lower Krishna/Krishna	AP	Nalgonda(Tel), Guntoor (AP)					
2	Srisaillam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal(Telangana), Kurnool(AP)/ Nalgonda(Telangana), Guntoor (AP)					
3	Somasila	Pennar/Lower Pennar/Pennar	AP	Kadapa(AP)/Nellore(AP)					
4	Madduvalasa	Nagavalli/Nagavalli/EFR Mahanadi &Pennar	AP	Vizianagaram					
5	Sri Pada Yellampally	Godavari/Middle Godavari/Godavari	Tel	Mancheria/ JaishankarBhupalpally					
6	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
7	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
8	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancheria					
9	Singur	Manjira/Manjira/Godavari	Tel	Medak					
10	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
11	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/JogalambaGadwal(Telangana)					
12	Tenughat	Damodar/DamodarWest/ Ganga	Jhar	Ramgarh, Bokaro, Dhanbad(Jhar)					
13	Getalsud	Damodar/Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
14	Konar	Konar/Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
15	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
16	Harangi	Harangi/Harangi/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	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
21	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
22	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/Shimoga					
23	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
24	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
25	Warana	Warana/Upper Krishna/Krishna	Mah	Kolhapur, Sangli					
26	Koyna	Koyna/ Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
27	Yeldari	Purna/Purna/Godavari	Mah	Parbhani, Hingoli					
28	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					
29	Manjlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
30	Upper Wardha Proj	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
31	Veer Dam	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
32	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
33	Mula	Mula/Upper Godavari/Godavari	Mah	Ahmadnagar					

34	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
35	Jaikwadi	Godavari/Upper Godavari/Godavari	Mah	Aurangabad, Ahmadnagar/Bid, Jalna					
36	Parwati	Parbati/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
37	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
38	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
39	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
40	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
41	Mahi Bajaj Sagar	Mahi/Mahi B/Mahi	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					
42	Som Kamla Amba	Mahi/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
43	Gambhiri	Gambhiri/Upper Chambal/Ganga	Raj	Chittorgarh					
44	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
45	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
46	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
47	Barna	Barna/Middle Narmada/Narmada	MP	Raisen(MP)					
48	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
49	Bansagar Dam	Sone./Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
50	Upper Wainganga	Wainganga/Wainganga/Godavari	MP	Seoni/Balaghat					
51	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
52	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
53	Hirakud	Mahanadi River/Upper Mahanadi/Mahanadi	Odisha	JanjgirChampa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
54	Salandi Dam	Salandi/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Mayurbhanj,Kendujhar/Bhadrak					
55	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
56	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					
57	Kadana	Mahi/Mahi B/Mahi	Guj	Banswara(Raj)/ MahiSagar, PanchMahal(Guj)					
58	Edamalayar	Upper Periyar/Periyar/Periyar	Ker	Coimbatore/Ernakulam					
59	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Ker	Idduki/Ernakulam					
60	Bango	Hasdeo/Upper Mahanadi/Mahanadi	Chtgrh	Koriya,Korba/JanjgirChampa					
61	Matatila	Betwa/Betwa/Ganga	UP	Ashoknagar,Shivpuri(MP), Lalitpur(UP)/ Tikamgarh(MP), Jhansi(UP)					
62	Kangsabati	KangsabatiKumari/KangsabatiKumari/Ganga	WB	Puruliya, Bankura, Midnapore, Hooghly					

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.