



Central Water Commission
Daily Flood Situation Report cum Advisories
03-10-2021

1.0 Rainfall Situation

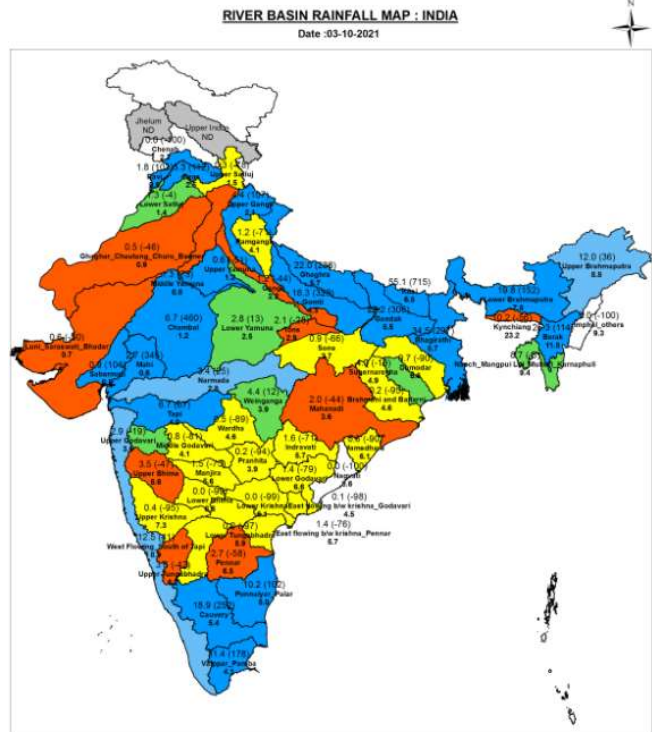
1.1 Significant Amount of Rainfall & Basin wise departure from normal of daily rainfall

Significant Rainfall Amount recorded (0830 hrs IST of yesterday to 0830 hrs IST of today) (7 cm or more):

- **Bihar:** Kishanganj-21, Siwan-17, Sitamarhi, Madhubani-13 each, Samastipur, Supaul-12 each, Gopalganj, Darbhanga-10 each, Sheohar, Khagaria-9 each, Vaishali, Motihari-8 each;
- **Sub-Himalayan West Bengal & Sikkim:** Jalpaiguri-12, Cooch Behar-11;
- **East Uttar Pradesh:** Ballia-12, Fatehpur-10, Barabanki-8, Gorakhpur-7;
- **Kerala:** Kozhikode-12, Malappuram, Kannur-9, Palakkad-8 each, Thrissur, Kasargode-7 each;
- **Tamilnadu:** Kanniyakumari-10, Nilgiris, Trichy-9 each, Karur, Pudukkottai, Tiruppur-7 each;
- **East Rajasthan:** Jaipur-10,
- **Arunachal Pradesh:** Passighat-9;
- **Assam & Meghalaya:** Dhubri-8, Dibrugarh-7;
- **Odisha:** Bargarh-7.

	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 03rd October, 2021 (Midday) by IMD

Very Heavy/extremely heavy Rainfall over:

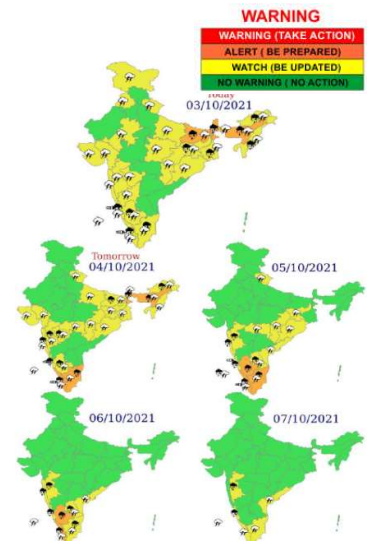
- Sub-Himalayan west Bengal & Sikkim & west Assam & Meghalaya on 03rd & 04th October 2021;
- Bihar on 03rd October 2021;
- Tamilnadu, Puducherry & Karaikal and Kerala & Mahe during 04th-06th October 2021.

2.0 Flood Situation and Advisories

2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 03rd October, 2021, as per daily bulletin (Mid-day),

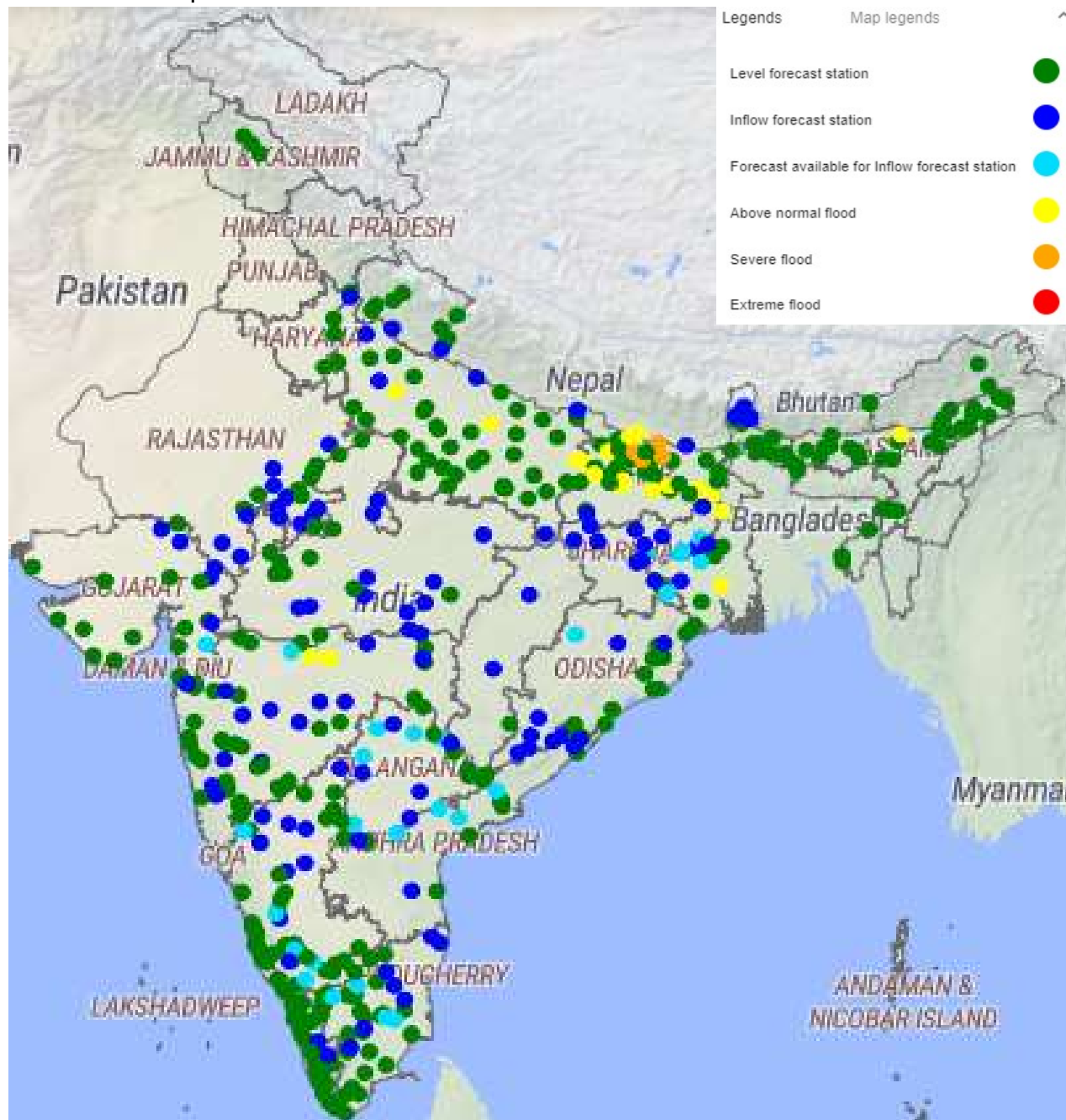
- 1 station (1 in Bihar) is flowing in **Severe Flood Situation**,
- 22 stations (13 in Bihar, 4 in Uttar Pradesh, 2 in West Bengal and 1 each in Assam, Jharkhand & Maharashtra) are flowing in **Above Normal Flood Situation**.
- **Inflow Forecast** has been issued for 26 Barrages & Dams (5 each in Jharkhand & Telangana, 4 each in Andhra Pradesh, Karnataka & Tamil Nadu, and 1 each in Gujarat, Maharashtra, Odisha & West Bengal).



FLOOD SITUATION SUMMARY		
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))	1
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	22
Total number of sites above Warning Level (A+B+C)		23
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://cwc.gov.in/sites/default/files/cfrcwcd03-10-2021-2_7.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, Jalangi & Kosi. Water level of southern tributary Punpun has also risen. Currently, river **Kamalabalan** is flowing in severe flood situation with **rising** trend in district **Madhubani**. River **Bagmati** is also flowing in severe flood situation with rising trend in **Muzaffarpur** district. River **Punpun** is flowing in severe flood situation in district **Jehanabad** with rising trend. Since, currently these rivers are flowing in above normal to severe flood situation, heavy rains over the region (as forecasted by IMD for 3rd October i.e today) and in the adjoining Nepal catchment can lead to flood situation in above said rivers mainly in tail end part and in Ganga main stream.

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, Jaldhaka (Brahmaputra) 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, 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 06th October over **Nagapattinam, Thiruvarur, Thanjavur, Shivganga, Ramanathapuram, Madurai, Virudhunagar, Tenkasi, Tuticorn, Thirunelveli & Kanyakumari**. Watch/alert for water level rise should be maintained in rivers Cauvery, Agniar, Pambar, Kottakaraier, Vaigai, Gundar, Vaippa, 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 is also possible due to heavy rainfall forecasted from 4th to 06th October.

2.2.4 Tapi – Maharashtra, Gujarat

Purna river is flowing in above normal flood situation in districts **Akola** (falling trend) and **Buldana** (rising trend). Since these districts are situated upstream of Hathnur dam (Jalgaon district), inflow in the dam is expected to rise. Hathnur dam is already more than 90% filled, so releases, if required may be done as per SOP after informing downstream areas in advance. Alert may be also be kept for Ukai dam (Tapi Dist. of Gujarat) of as the outflows from Hathnur will be realized at Ukai with added in-between catchment contribution.

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 03rd 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
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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	NagarjunaSagar	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 PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/ 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/ Mancherial					
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	Panchet	Damodar/Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
13	Getalsud	Damodar/Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
14	Konar	Konar/Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
15	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
16	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura					
17	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
18	Harangi	Harangi/Harangi/Cauvery	Kar	Kodagu/Mandya					
19	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Tel)/Bidar(Kar)					
20	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Mah)/ Bagalkote(Kar)					
21	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
22	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
23	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
24	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/Shimoga					
25	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
26	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
27	Warana	Warana/Upper Krishna/Krishna	Mah	Kolhapur, Sangli					
28	Koyna	Koyna/ Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
29	Yeldari	Purna/Purna/Godavari	Mah	Parbhani, Hingoli					
30	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					

31	Manjlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
32	Upper WardhaProj	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
33	Veer Dam	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
34	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
35	Mula	Mula/Upper Godavari/Godavari	Mah	Ahmadnagar					
36	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
37	Jaikwadi	Godavari/Upper Godavari/Godavari	Mah	Aurangabad, Ahmadnagar/Bid, Jalna					
38	Hathnur	Hatnur/Upper Tapi/Tapi	Mah	Burhanpur (MP)/Jalgaon(Mah)					
39	Parwati	Parbati/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
40	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
41	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
42	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
43	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
44	MahiBajajsagar	Mahi/Mahi B/Mahi	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					
45	SomKamlaAmba	Mahi/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
46	Gambhiri	Gambhiri/Upper Chambal/Ganga	Raj	Chittorgarh					
47	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
48	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
49	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
50	Barna	Barna/Middle Narmada/Narmada	MP	Raisen(MP)					
51	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
52	Bansagar Dam	Sone./Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
53	Upper Wainganga	Wainganga/Wainganga/Godavari	MP	Seoni/Balaghat					
54	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
55	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
56	Hirakud	Mahanadi River/Upper Mahanadi/Mahanadi	Odisha	JanjgirChampa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
57	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
58	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					
59	Kadana	Mahi/Mahi B/Mahi	Guj	Banswara(Raj)/ MahiSagar, PanchMahal(Guj)					
60	Edamalayar	Upper Periyar/Periyar/Periyar	Ker	Coimbatore/Ernakulam					
61	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Ker	Idduki/Ernakulam					
62	Bango	Hasdeo/Upper Mahanadi/Mahanadi	Chtgrh	Koriya,Korba/JanjgirChampa					
63	Matatila	Betwa/Betwa/Ganga	UP	Ashoknagar,Shivpuri(MP), Lalitpur(UP)/ Tikamgarh(MP), Jhansi(UP)					
64	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.