



Central Water Commission
Daily Flood Situation Report cum Advisories
02-10-2021

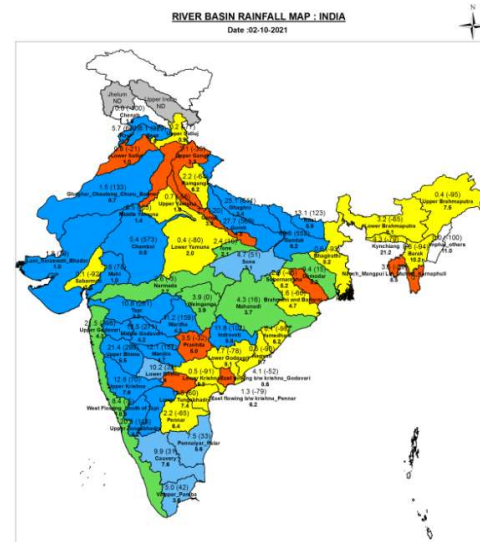
1.0 Rainfall Situation

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): **East Uttar Pradesh**: Gorakhpur-19; **West Madhya Pradesh**: Khandwa-10; **Gujarat Region**: Dangs-10; **Kerala & Mahe**: Kasargode-10, Kozhikode & Mahe-7 each, Cannur & Pathanamthitta-6 each; **Vidarbha Region**: Amraoti-9; **North Interior Karnataka**: Gadag-8; **Marathwada Region**: Parbhani-8; **Gangetic West Bengal**: Purulia-6; **Chhattisgarh**: Kanker-6; **West Rajasthan**: Jodhpur-9; **East Rajasthan**: Jhunjhunu-9 and Rajsamand-6; **Tamilnadu**: Krishnagiri and Villupuram-8 each, Ramnathpuram-7, Namakkal and Trichy-6 each.

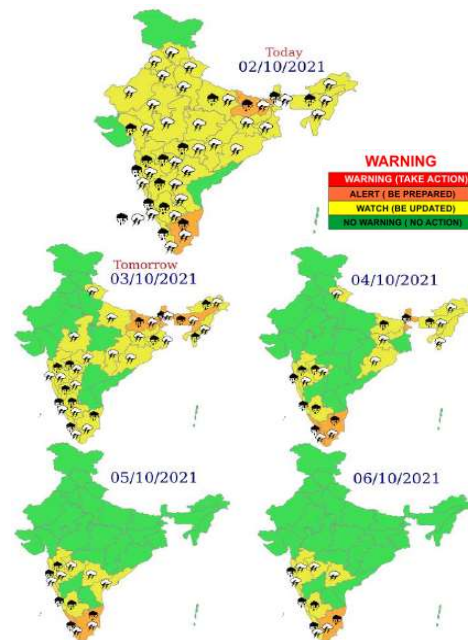
Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
b) Percentage departures of rainfall are shown in brackets.

 	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	 	



1.2 Rainfall forecast for next 5 days issued on 02nd October, 2021 (Midday) by IMD

Very Heavy Rainfall over Bihar on 02nd & 03rd;
over Sub-Himalayan West Bengal & Sikkim on 03rd & 04th;
Assam & Meghalaya on 03rd;
South Interior Karnataka on 05th;
Tamilnadu, Puducherry & Karaikal during 02nd & during 04th-06th; &
over Kerala & Mahe on 04th & 05th October 2021.



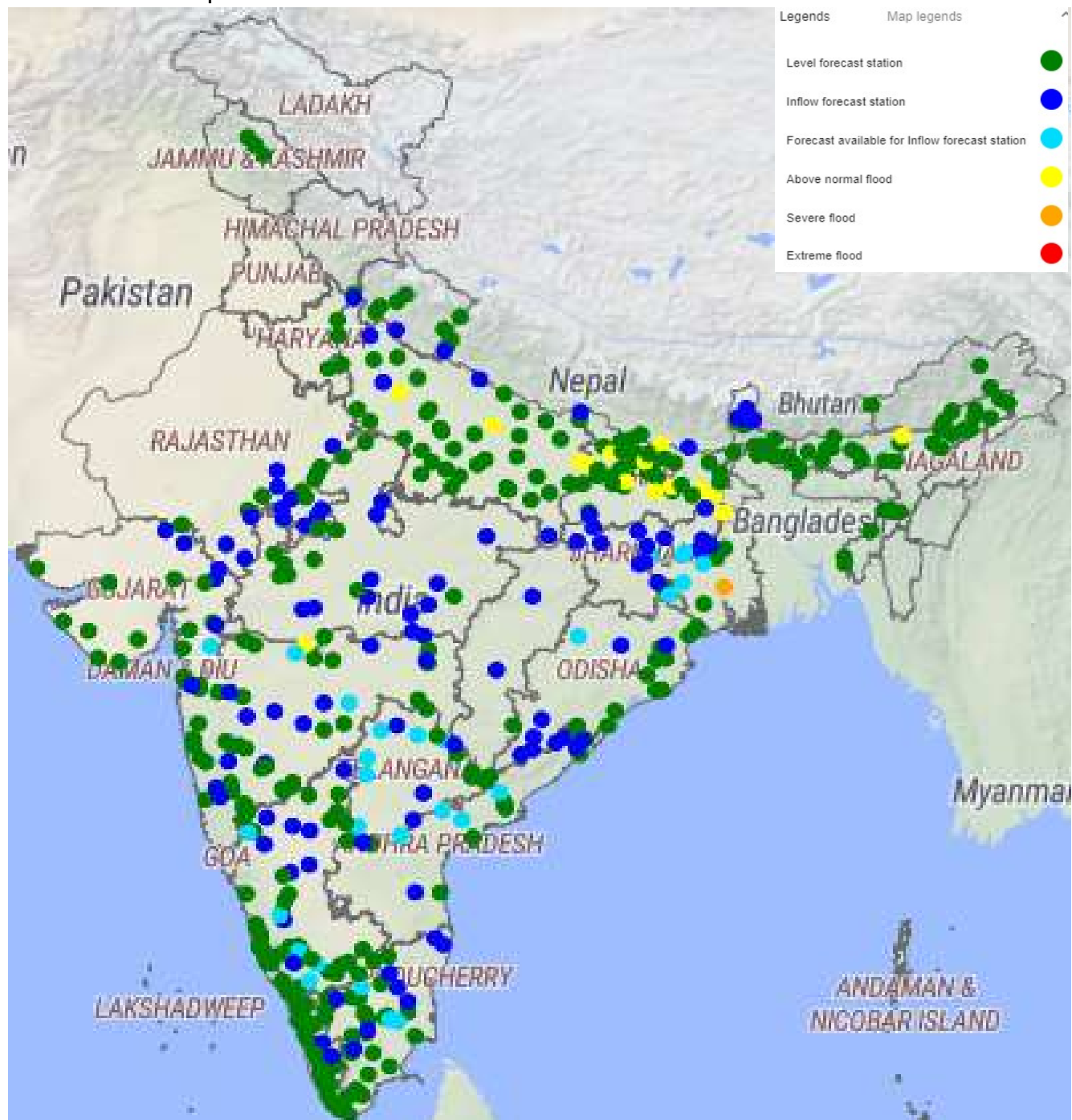
2.0 Flood Situation and Advisories

2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 02nd October, 2021, 1 station (1 in West Bengal) is flowing in Severe Flood Situation, 15 stations (9 in Bihar, 3 in Uttar Pradesh and 1 each in Assam, Jharkhand & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 28 Barrages & Dams (6 in Telangana, 5 in Karnataka, 4 in Andhra Pradesh & Jharkhand,, 3 in Tamil Nadu, 2 each in Maharashtra & West Bengal and 1 each in Odisha & Gujarat).

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)	15
Total number of sites above Warning Level (A+B+C)		16
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)		28

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Ganga and its Tributaries, Damodar, Ajoy, Subernarekha and other rivers of Gangetic West Bengal

2.2.1.1 West Bengal

Currently, river Mundeswari in **Hugli** district is flowing in severe flood situation with falling trend. Water level rise is expected in the rivers of Gangetic West Bengal due to runoff created from very heavy rainfall in Jharkhand region.

2.2.1.2 Uttar Pradesh

Due to movement of low pressure area over Bihar and adjoining west U.P., IMD has predicted heavy rainfall over Eastern Uttar Pradesh. Hence, increase in water level is expected in rivers such as Gandak, Ghagra, Rapti and its tributaries. Presently river Ghagra is flowing in above normal flood situation in Barabanki (with Falling trend) and Ballia (with rising trend) districts.

2.2.1.3 Bihar

In Bihar, alert may be kept in districts **Saran, Muzaffarpur, Vaishali, Araria & Purnia** due to water level rise expected in rivers Ghagra, Gandak, Burhi Gandak, Bagmati, Jalangi, Kosi, Mahananda and its tributaries. Since, currently these rivers are flowing in above normal flood situation.

2.2.2 Teesta, Brahmaputra & its tributaries

2.2.2.1 Sub-himalayan West Bengal

Alert may be kept in districts **Darjeeling, Alipurduar, Kalimpong & Coochbihar** in rivers Raidak, Torsa, Sankosh, Jaldhaka (Brahmaputra) and other tributaries.

2.2.3 Cauvery, East Flowing rivers between Pennar and Kanyakumari - Tamil Nadu

IMD has predicted heavy rainfall over **Nagapattinam, Thiruvavur, Thanjavur, Pudukkottai, Shivganga, Ramanathapuram, Dindigul, Madurai, Teni, Tenkasi, Thirunelveli & Kanyakumari**. Watch/alert for water level rise should be maintained in rivers Cauvery, Agniar, Pambar, Kottakaraia, Vaigai, Gundar, Vaippar, Kollar, Tambraparni, Nambiar, Kodaiyar and its tributaries.

2.2.3 Tapi – Madhya Pradesh

Tapi river is flowing in above normal flood situation in **Rajgarh** district with rising trend.

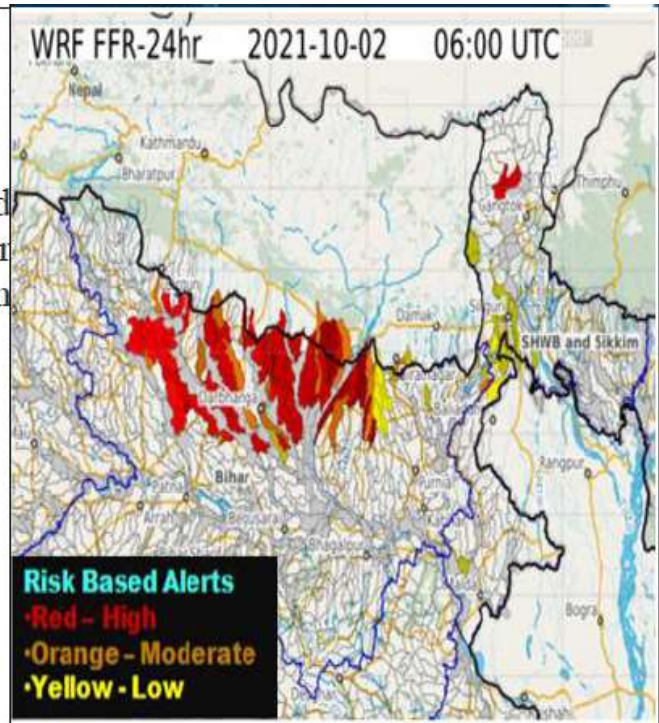
2.3 Flash Flood Guidance

IMD has issued flash flood risk over few watersheds and neighbourhood of Northern part of Bihar and SHWB & Sikkim met subdivision.

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 03.10.2021:

Moderate risk over few watersheds and neighborhood of Northern part of Bihar and SHWB & Sikkim met subdivision in next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



2.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 02nd 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	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
6	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
7	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancherial					
8	Singur	Manjira/Manjira/Godavari	Tel	Medak					
9	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
10	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/JogalambaGadwal(Telangana)					
11	Panchet	Damodar/Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
12	Getalsud	Damodar/Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
13	Konar	Konar/Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
14	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
15	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
16	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
17	Harangi	Harangi/Harangi/Cauvery	Kar	Kodagu/Mandya					
18	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Tel)/Bidar(Kar)					
19	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Mah)/ Bagalkote(Kar)					
20	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
21	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
22	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
23	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/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	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					
30	Manjlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
31	Upper WardhaProj	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
32	Veer Dam	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					

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