



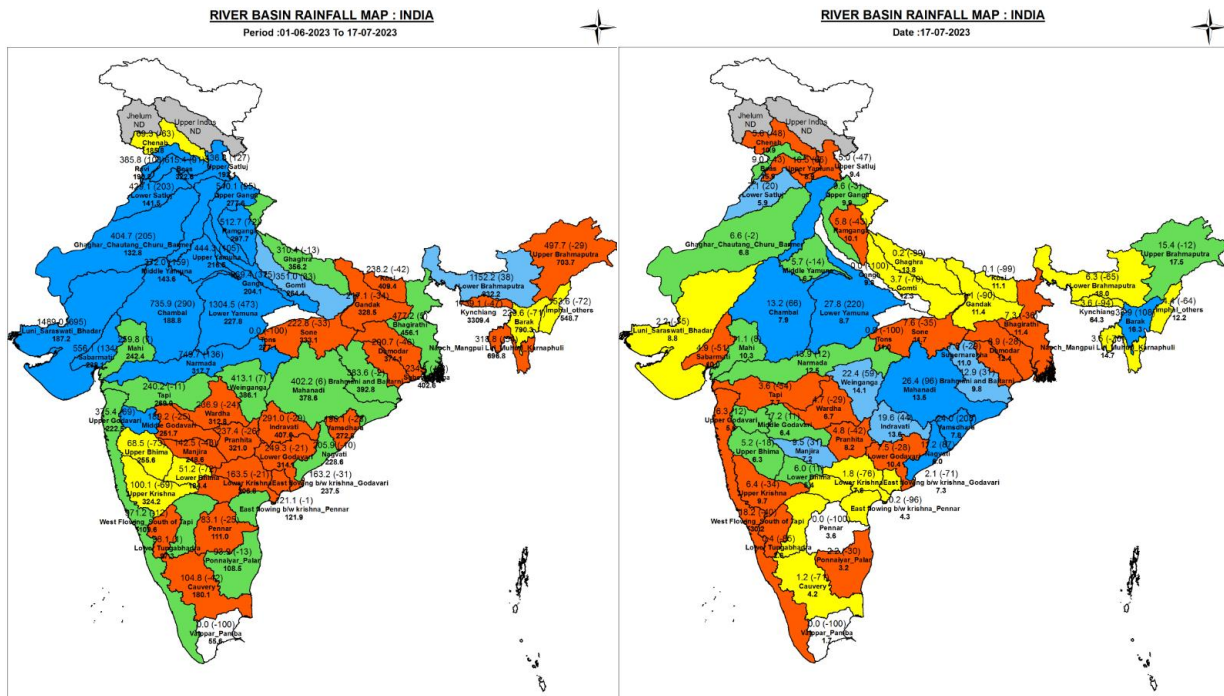
Central Water Commission

Daily Flood Situation Report cum Advisories

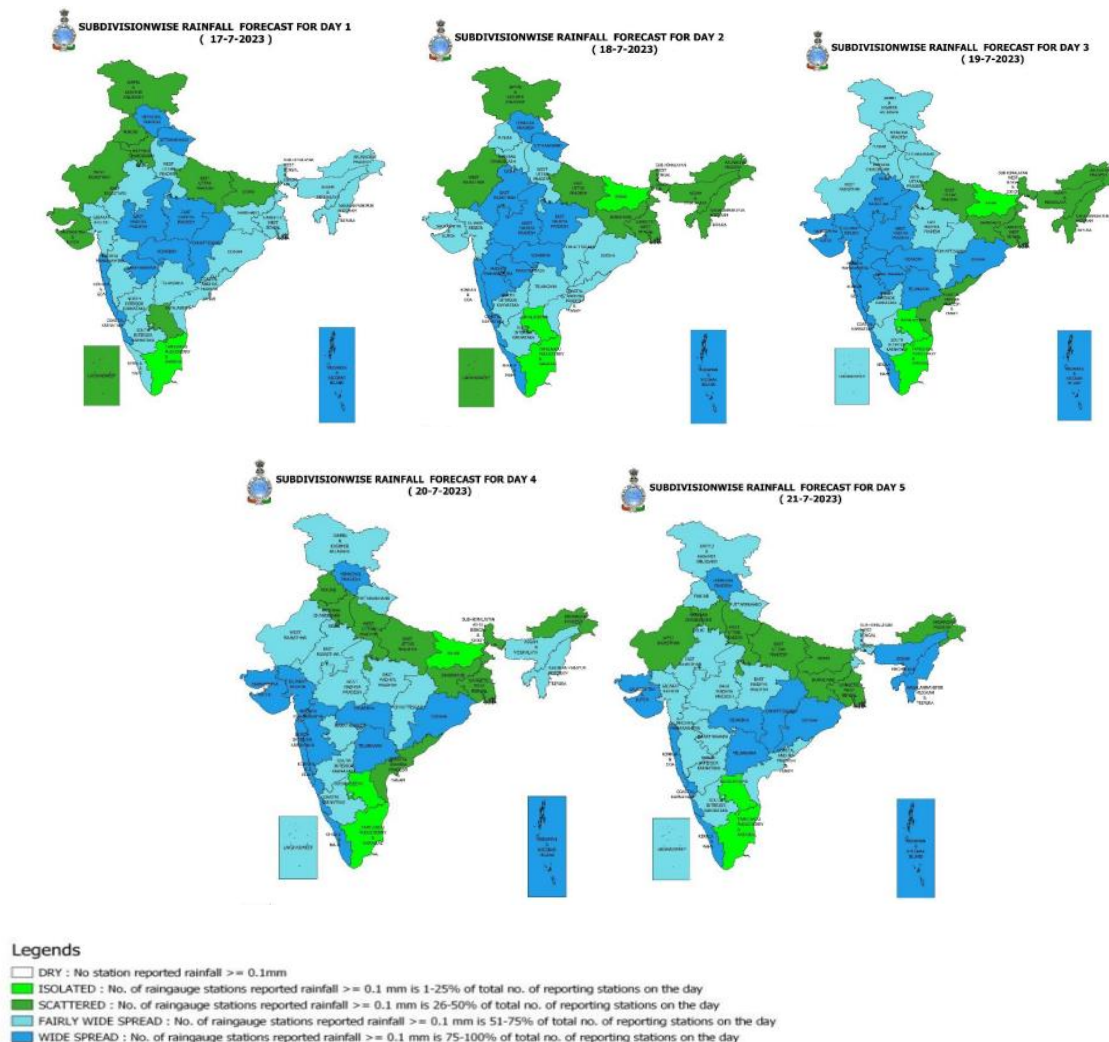
17-07-2023

1.0 Rainfall Situation

1.1 District wise departure from normal of cumulative and daily rainfall



1.2 Rainfall forecast for next 5 days issued on 17th July 2023 (Midday) by IMD



2.0 Flood Situation and Advisories

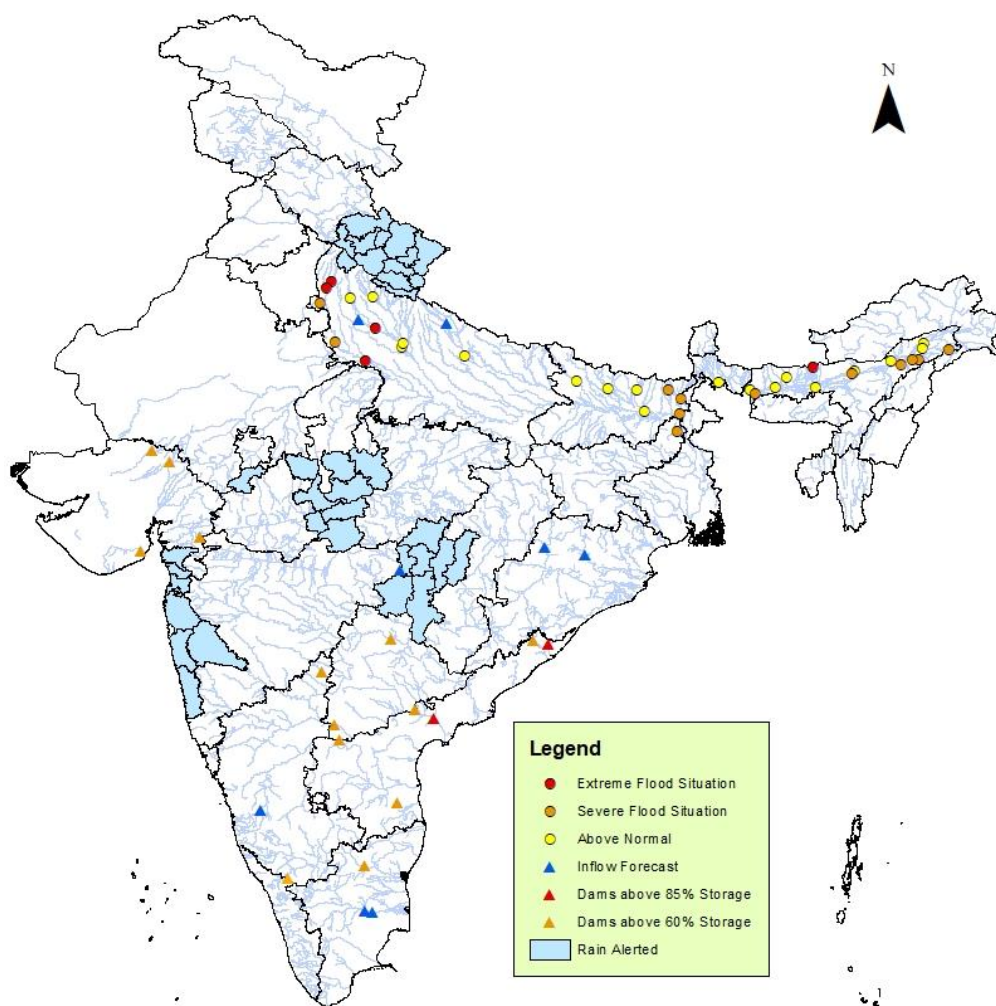
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 17th July 2023, 1 station in Uttar Pradesh is flowing in Extreme Flood Situation, 10 stations (5 in Assam, 3 in Bihar, 1 each in Delhi & Uttar Pradesh) are flowing in Severe Flood Situation, 19 stations (8 in Assam, 4 in Bihar, 6 in Uttar Pradesh & 1 in West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 9 Dams and Barrages (3 in Uttar Pradesh, 2 each in Tamil Nadu & Odisha, 1 each in Karnataka & Maharashtra).

PART - I: LEVEL FORECAST		(Total Sites - 199)		
S.No.	Flood Situations	State-wise Flood Situation	Numbers of Forecasting Sites	
A	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	Uttar Pradesh(1)	1	
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	Assam(5), Bihar(3), Delhi(1), Uttar Pradesh(1)	10	
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	Assam(8), Bihar(4), Uttar Pradesh(6), West Bengal(1)	19	
Total number of sites above Warning Level (A+B+C)			30	
PART - II: INFLOW FORECAST		(Total Sites - 134)		
Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage)		Karnataka(1), Maharashtra(1), Odisha(2), Tamil Nadu(2), Uttar Pradesh(3)	9	

Details are given at link: - https://cwc.gov.in/sites/default/files/cfrcwcdfb17.07.2023_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

Uttarakhand

IMD has predicted very heavy rains in **all districts** for next two days. Keep watch for water level rise in rivers such as Upper Yamuna, Gola, Ramganga, Kosi, Fica, Sarda, Sarju, Deoha and other tributaries of rivers in upper Ganga. **It is informed that upper Yamuna basin is already saturated due to extremely heavy rainfall of immediate past so any further very heavy rains can lead to a flood like situation in Uttarakhand as well as lower riparian states.**

Water levels at most of the CWC sites are in steady to falling state. Current flood situation as per CWC network is given below:

CWC Site	River	District	Flood Type	Trend in Water Level
Betalghat	Kosi	Nainital	Above Normal	Steady
Kanjyothi	Dhuilganga	Pithoragarh	Above Normal	Steady
Bangapani	Gauri ganga	Pithoragarh	Above Normal	Falling
Raysi	Solani	Haridwar	Above Normal	Falling

New Delhi

Due to downward propagation of floods created in Upper Yamuna **Severe flood situation** exist in northern Delhi. CWC site at Delhi Railway Bridge in North Delhi has reported severe flood. The water levels at CWC Delhi Railway Bridge site is in further rising state and the level is expected to increase further to 206.1 m by 21:00 hrs of 17.07.2023.

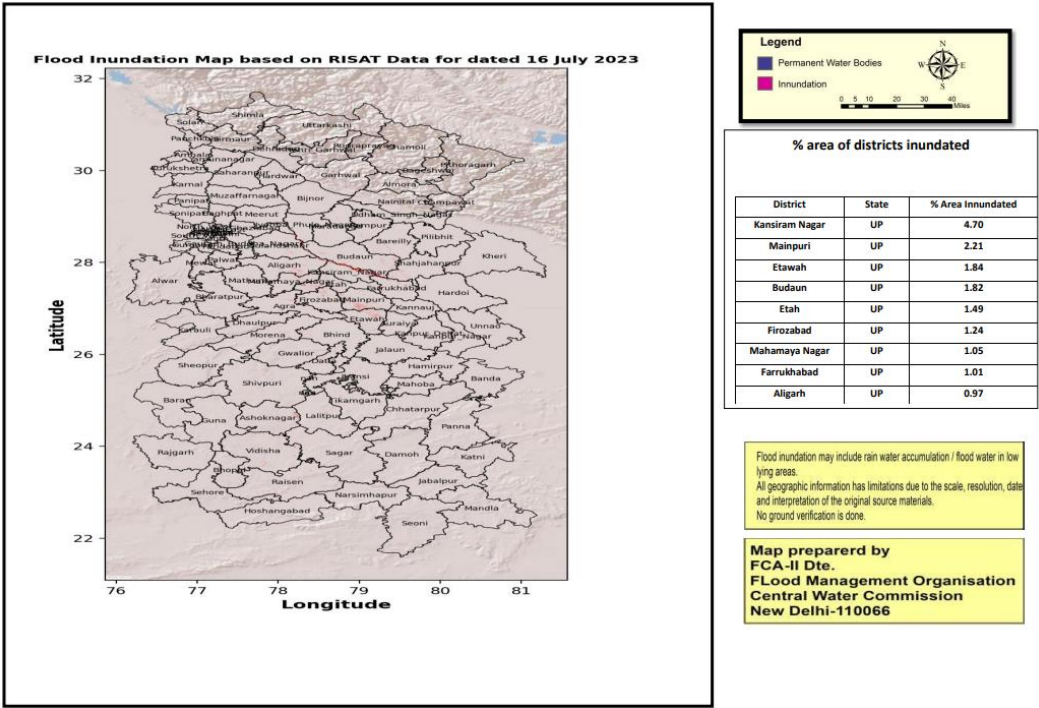
CWC Site	River	District	Flood Type	Trend in Water Level
Delhi Railway Bridge	Yamuna	North Delhi	Severe	Rising

Uttar Pradesh

Due to downward propagation of floods in Yamuna water level is expected to rise in lower riparian regions like Mathura. As per CWC network flood situation exist in Ganga river in districts **Hapur, Budan, Farrukhabad, Fatehpur**, in Ramganaga in districts **Moradabad, Shahjahanpur**, in Sarda in district **Kheri** and Ghaghra in district **Barabanki, Ayodhya**. Current flood situation as per CWC network is given below:

CWC Site	River	District	Flood Type	Trend in Water Level
Ratanpuri	Kali	Muzaffarnagar	Extreme	Rising
Shekpura	Krishni	Baghpat	Extreme	Rising
Bateshwar	Yamuna	Agra	Extreme	Rising
Kachlabridge	Ganga	Budaun	Extreme	Steady
Pragyaghat	Yamuna	Mathura	Severe	Steady
Dabri	Ramganga	Shahjhanpur	Above Normal	Rising
Elginbridge	Ghagra	Barabanki	Above Normal	Rising
Agra(J.B)	Yamuna	Agra	Above Normal	Rising

Inundation Map prepared by CWC



Bihar

Current flood situation as per CWC network is given below:

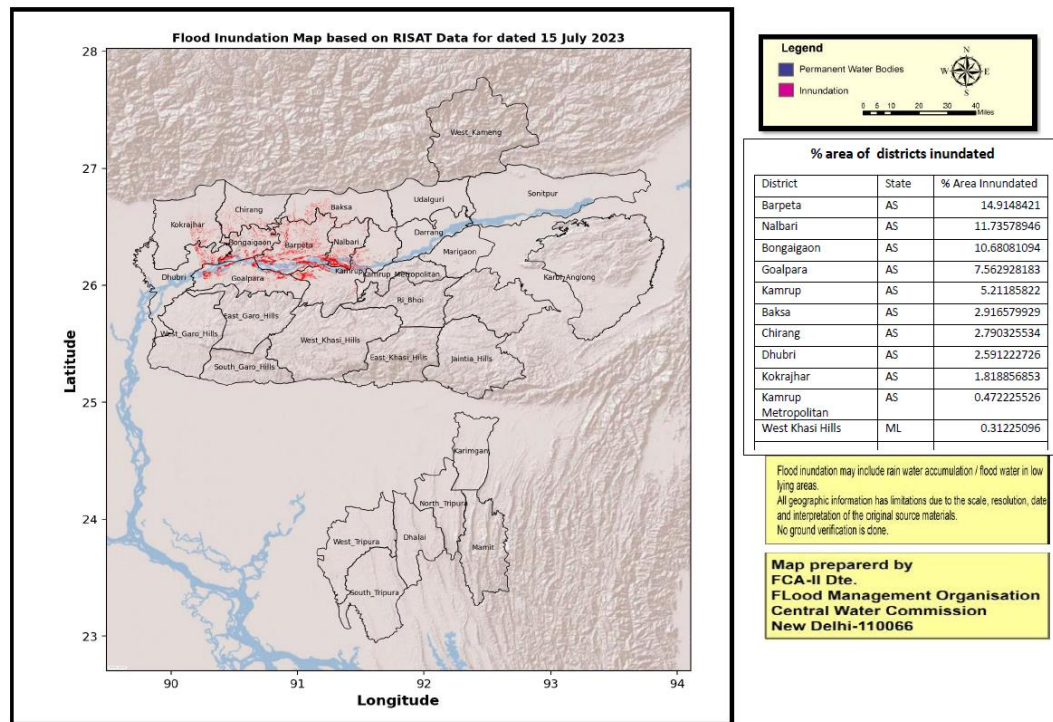
CWC Site	River	District	Flood Type	Trend in Water Level
Birpur	Kosi	Supaul	Severe	Rising
Araria	Parman	Araria	Severe	Falling
Dhengraghat	Mahananda	Purnia	Severe	Falling
Jhawa	Mahananda	Katihar	Severe	Falling
Labha	Mahananda	Katihar	Severe	Falling

Assam

Current flood situation as per CWC site network is as given below:

CWC Site	River	District	Flood Type	Trend in Water Level
DRF	Puthimari	Baksa	Extreme	Steady
Dhubri	Brahmaputra	Dhubri	Severe	Rising
Nanglmoraghat	Desang	Sivasagar	Severe	Rising
Neamatighat	Brahmaputra	Jorhat	Severe	Steady
Tezpur	Brahmaputra	Sonitpur	Severe	Steady
Sivasagar	Dikhow	Sivasagar	Severe	Falling
Margherita	Buridehing	Tinsukia	Severe	Falling
Badatighat	Subansiri	Lakhimpur	Above Normal	Rising
Khowang	Buridehing	Dibrugarh	Above Normal	Rising

Inundation Map Prepared by CWC



Chhattisgarh

Due to existence of upper cyclonic circulation over Chhattisgarh districts such as **Korba, Bilaspur, Janjgir Champa, Baloda Bazar, Raipur, Durg, Rajnandgaon, Khandwa, Burhanpur, Hoshangabad districts** are expected to receive very heavy rains. Hence alert for water level rise may be kept in rivers such as Mahanadi and other small rivers in the region.

Madhya Pradesh

IMD has predicted heavy rainfall in **Sheopur Kalan, Guna, Vidisha, Betul, Harda, Sagar, Sehore, Rajgarh districts**. Keep alert for water level rise in Betwa, Narmada, Tapi, Chambal, Mahi and other small rivers in the region.

Rajasthan

Due to heavy rains in districts Chittorgarh, Ratlam, Pratapgarh, Udaipur, Sirohi districts alert for water level rise may be kept in rivers Chambal, Mahi, Banas, West Banas and other small rivers in the region.

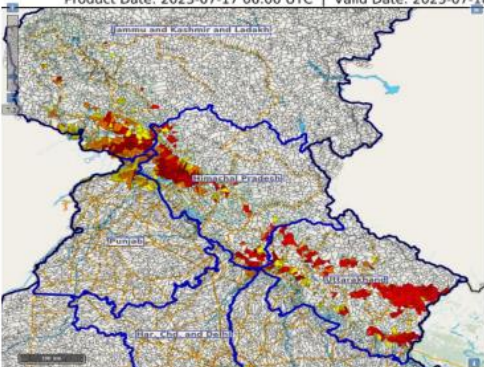
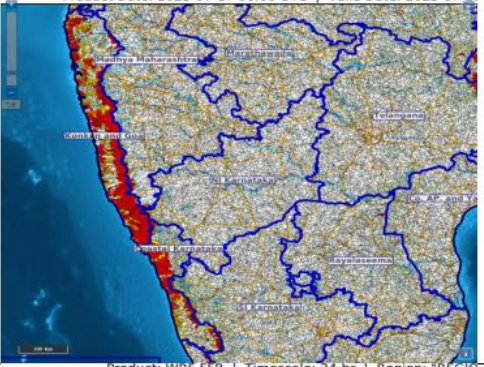
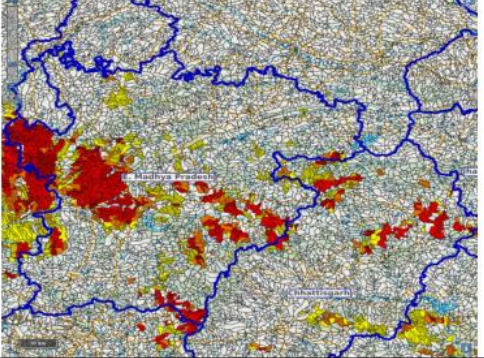
Maharashtra

Due to heavy rainfall in **Bhandara, Gondia, Gadchiroli, Chandrapur districts**, alert for water level rise may be kept in rivers Middle and Lower Wainganga, Wardha and other small rivers in the region.

Gujarat

Due to heavy rainfall in **Navsari and Valsad districts**, alert for water level rise may be kept in rivers Damanganga, Par, Auranga, Ambika, Kaveri and other small rivers in the region.

2.3 Flash Flood Guidance

<p><u>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 18-07-2023 :</u></p> <p>Moderate flash flood risk likely over few watersheds & neighbourhoods of southern parts of Jammu & Kashmir & Ladakh adjoining Himachal Pradesh and Uttarakhand Met Sub-divisions during next 24 hours.</p> <p>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.</p>	<p>Product: WRF FFR Timescale: 24-hr Region: "IND" Product Date: 2023-07-17 06:00 UTC Valid Date: 2023-07-18 06:00 UTC</p> 
<p><u>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 18-07-2023 :</u></p> <p>Moderate flash flood risk likely over few watersheds & neighbourhoods of Coastal Karnataka and Konkan & Goa Met Sub-divisions during next 24 hours.</p> <p>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.</p>	<p>Product: WRF FFR Timescale: 24-hr Region: "REGIO" Product Date: 2023-07-17 06:00 UTC Valid Date: 2023-07-18 06:00 UTC</p> 
<p><u>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 18-07-2023 :</u></p> <p>Moderate flash flood risk likely over few watersheds & neighbourhoods of East Madhya Pradesh Met Sub-divisions during next 24 hours.</p> <p>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.</p>	<p>Product: WRF FFR Timescale: 24-hr Region: "REGIO" Product Date: 2023-07-17 06:00 UTC Valid Date: 2023-07-18 06:00 UTC</p> 

3.0 Advisory Flood Forecast for next 5 days in Table form

The flood situational Flood Forecasting Stations likely to be above warning level for next 5 days:

S.No.	Station	River	District	State	18-07-2023	19-07-2023	20-07-2023	21-07-2023	22-07-2023
1	KACHHLABRIDGE	GANGA	Budaun	Uttar Pradesh	E	E	S	S	S
2	SIVASAGAR	DIKHOW	SIVSAGAR	Assam	E	S	S	S	S
3	BENIBAD	BAGMATI	Muzaffarpur	Bihar	S	S	S	S	S
4	DELHI RAILWAY BRIDGE	YAMUNA	North	NCT of Delhi	S	S	S	S	S
5	DHENGRAGHAT	MAHANANDA	Purnia	Bihar	S	AN	AN	N	N
6	JHAWA	MAHANANDA	Katihar	Bihar	S	AN	N	N	N
7	MATHURA (PRAYAG GHAT)	YAMUNA	Mathura	Uttar Pradesh	S	S	S	S	S
8	DUMARIAGHAT	GANDAK	Gopalganj	Bihar	AN	S	S	S	AN
9	BEKI ROAD BRIDGE	BEKI	BARPETA	Assam	S	N	N	N	N
10	GOALPARA	BRAHMAPUTRA	GOALPARA	Assam	AN	S	S	S	S
11	GUWAHATI(D.C.COURT)	BRAHMAPUTRA	KAMRUP	Assam	S	S	S	S	S
12	NANGLAMORAGHAT	DESANG	SIVSAGAR	Assam	S	S	AN	AN	N
13	NEAMATIGHAT	BRAHMAPUTRA	JORHAT	Assam	S	S	S	S	S
14	TEZPUR	BRAHMAPUTRA	SONITPUR	Assam	S	S	S	S	S
15	DHUBRI	BRAHMAPUTRA	DHUBRI	Assam	S	S	S	S	S
16	ARARIA	PARMAN	ARARIA	Bihar	S	S	AN	AN	AN
17	DOWLAISWARAM (STATE GOVT SITE)	GODAVARI	EAST GODAVARI	Andhra Pradesh	N	N	N	N	AN
18	AYODHYA	GHAGRA	AYODHYA	Uttar Pradesh	AN	AN	AN	AN	AN
19	BALTARA	KOSI	Khagaria	Bihar	AN	AN	AN	AN	AN
20	BASUA	KOSI	Supaul	Bihar	AN	AN	AN	AN	AN
21	DABRI	RAMGANGA	Shahjahanpur	Uttar Pradesh	AN	N	N	N	N
22	DARAU LI	GHAGRA	Siwan	Bihar	N	N	AN	AN	AN
23	ELGINBRIDGE	GHAGRA	BARABANKI	Uttar Pradesh	AN	N	N	AN	AN
24	FATEHGARH	GANGA	Farrukhabad	Uttar Pradesh	AN	AN	AN	AN	AN
25	GARHMUKTESHWAR	GANGA	Hapur	Uttar Pradesh	AN	AN	AN	AN	N
26	KHADDA	GANDAK	Kushinagar	Uttar Pradesh	AN	AN	AN	N	N
27	REWAGHAT	GANDAK	MUZAFFARPUR	Bihar	AN	AN	AN	AN	AN
28	TURTIPAR	GHAGRA	Ballia	Uttar Pradesh	N	AN	AN	AN	AN
29	RUNISAIDPUR	BAGMATI	MUZAFFARPUR	Bihar	AN	AN	AN	AN	N
30	MORADABAD	RAMGANGA	Moradabad	Uttar Pradesh	AN	AN	AN	AN	AN
31	BADATIGHAT	SUBANSIRI	LAKHIMPUR	Assam	AN	N	N	N	N

32	CHENIMARI (KHOWANG)	BURIDEHING	DIBRUGARH	Assam	AN	AN	N	N	N
33	DHARAMTUL	KOPILI	MARIGAON	Assam	AN	AN	AN	AN	AN
34	DIBRUGARH	BRAHMAPUTRA	DIBRUGARH	Assam	AN	AN	AN	AN	AN
35	NT ROAD CROSSING JIA-BHARALI	JIABHARALI	SONITPUR	Assam	AN	AN	AN	AN	AN
36	NUMALIGARH	DHANSIRI (SOUTH)	GOLAGHAT	Assam	AN	N	N	N	N
37	PUTHIMARI NH RD XING	PUTHIMARI	KAMRUP	Assam	AN	AN	N	N	N
38	RANGANADI NT ROAD CROSSING	RANGANADI	LAKHIMPUR	Assam	AN	AN	AN	AN	N
39	MEKHLIGANJ (R_B)	TEESTA	KOCHBIHAR	West Bengal	AN	AN	AN	AN	AN
40	GOLOKGANJ	SANKOSH	DHUBRI	Assam	AN	AN	AN	AN	AN

Abbreviation: **N:** Normal Flood Situation, **AN:** Above Normal Flood Situation, **S:** Severe Flood Situation, **E:** Extreme Flood Situation

For more details, please visit <https://ffs.india-water.gov.in/> for flood forecast monitoring & short range flood forecast and <https://aff.india water.gov.in/> for medium range flood forecast.

Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled).

Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL)).

Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level).

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 17th July2023

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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Sl. No.	Reservoir/Dams	River/Sub-Basin /Basin	State	US/ DS District	Rainfall situation				
					Day 1	Day 2	Day 3	Day 4	Day 5
1	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/JogalambaGadwal(Telangana)					
2	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
3	SripadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/JaishankarBhupalpally					
4	Sunkesula	Tungabhadra/Krishna	AP	Kurnool/Raichur(Kar)/JogalambaGadwal(Telangana)					
5	Pulichinthala	Krishna/Lower Krishna/Krishna	AP	Nalgonda/Guntoor , Krishna (A P)					
6	Thottapalli Reservoir	Vaigai/Upper Vaigai/East flowing rivers south of Cauvery Basin	AP	Vizianagaram					
7	Prakasam Barrage	Krishna/Lower Krishna/Krishna	AP	Eluru / Guntoor/ West Godavari					
8	Gotta Barrage	Vamsadhara/Vamsadhara/EFR (Mahanadi to Pennar)	AP	Srikakulum					
9	Karanja Dam	Karanja/Manjira/Godavari	kar	Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)Bidar					
10	Sathnur	Ponnaiar/Middle South Pennar/East flowing rivers between Pennar and Cauvery Basin	TN	Vizianagaram					
11	Dantiwada Dam	Banas/Western Flowing River (Kutch & Saurashtra)	Guj	Banaskantha					
12	Dharoi Dam	Sabarmati/Sabarmati Basin	Guj	Mehsana					
13	Shetrunji Dam	Shetrunji/WFR (Kutch & Saurashtra)	Guj	Bhavnagar					
14	Sardar Sarovar Dam	Narmada/Narmada b/w Hosangabaad to SSP/Narmada	Guj	Nrmada(Guj), Nadurbar(MP)/Narmada, Vadodra, Bharuch (Guj)					
15	kabini	Kabini/Kabini/ Cauvery	Kar	Wayanad (Ker)/Mysuru(Kar)					

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

