



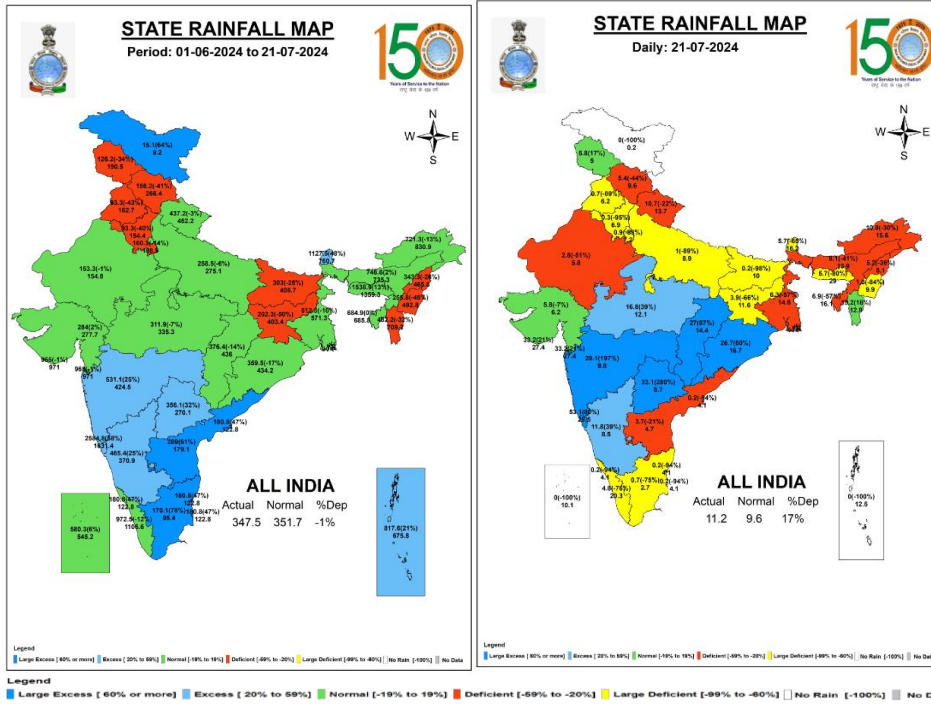
# Central Water Commission

## Daily Flood Situation Report cum Advisories

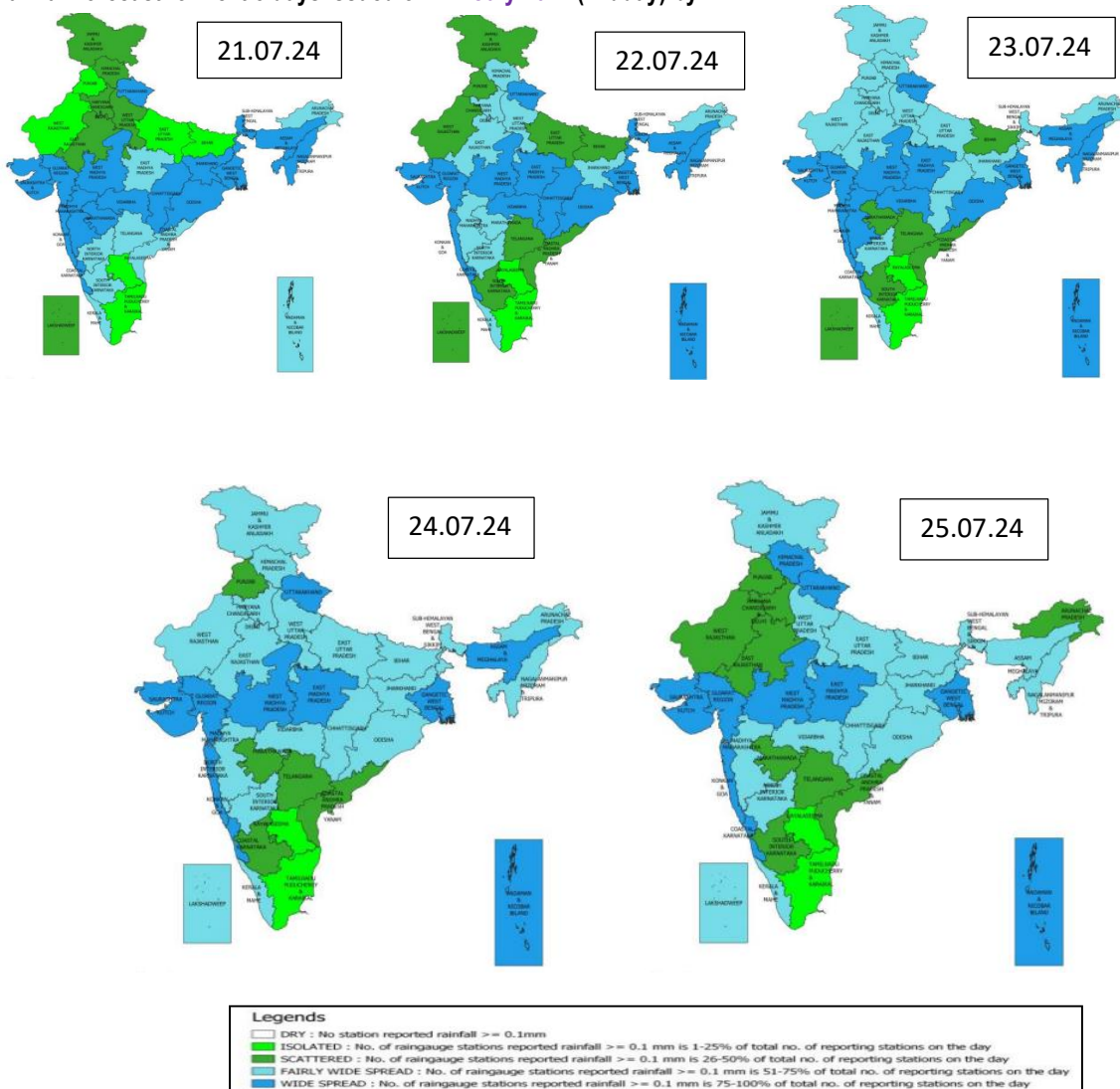
21-07-2024

### 1.0 Rainfall Situation

#### 1.1 State wise departure from normal of cumulative and daily rainfall



#### 1.2 Rainfall forecast for next 5 days issued on 21<sup>st</sup> July 2024 (Midday) by IMD



2.0

Flood Situation and Advisories

2.1

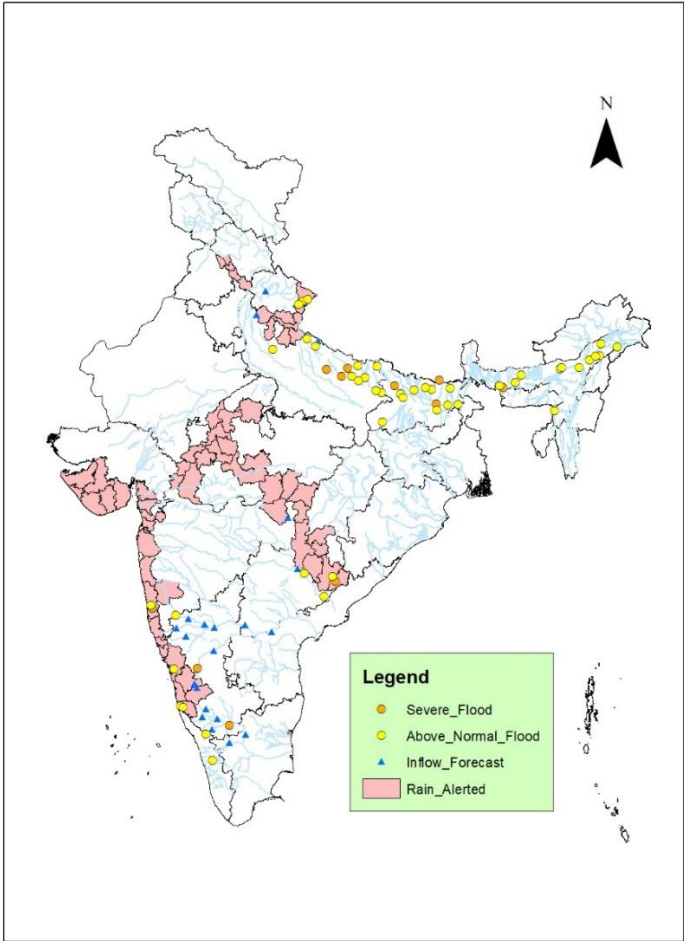
Summary of Flood Situation as per CWC Flood Forecasting Network

On 21<sup>th</sup>July 2024, 5 Stations (2 in Bihar, 1 in Assam , and 2 in Uttar Pradesh) are flowing in Severe Flood Situation, 25 Stations (11 in Assam, 7 in Bihar, 4 in Uttar Pradesh, 1 in Kerala , 1 in Andhra Pradesh,& 1 in Chattisgarh ) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 22 Dams and Barrages ( 12 in Karnataka, 3 in Telangana,1 in Andhra Pradesh, 2 in Uttar Pradesh,1 in Maharashtra, 2 in Tamilnadu, 1 in Uttarakhand).

FLOOD SITUATION SUMMARY			
PART - I: LEVEL FORECAST		(Total Sites - 200)	
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)		0
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	Assam(1), Bihar(2), Uttar Pradesh(2)	5
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	Andhra Pradesh(1), Assam(11), Bihar(7), Chhattisgarh(1), Kerala(1), Uttar Pradesh(4)	25
Total number of sites above Warning Level ( A+B+C)			30
PART - II: INFLOW FORECAST		(Total Sites - 138)	
Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage)		Andhra Pradesh(1), Karnataka(12), Maharashtra(1), Tamil Nadu(2), Telangana(3), Uttar Pradesh(2), Uttarakhand(1)	22

Details are given at link: [https://cwc.gov.in/sites/default/files/cfcrwcdfb-21.07.2024\\_5.pdf](https://cwc.gov.in/sites/default/files/cfcrwcdfb-21.07.2024_5.pdf)

Flood Situation Map



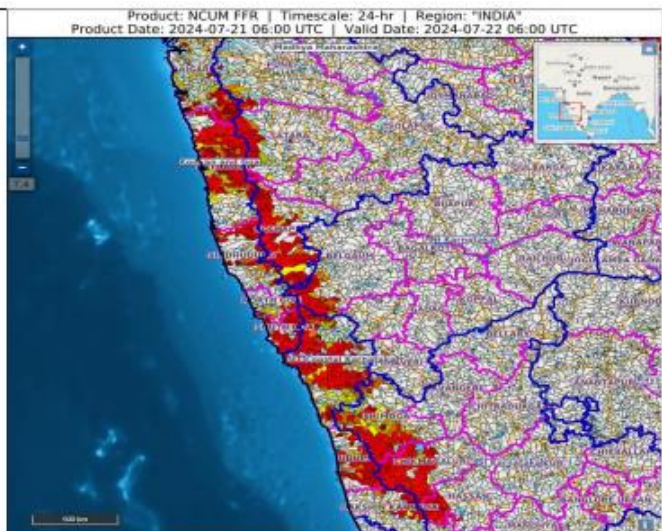


## 2.2 Flash Flood Guidance

### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 22-07-2024 :**

**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of **Coastal Karnataka, SI Karnataka and Konkan & Goa Met Sub-divisions** during next 24 hours.

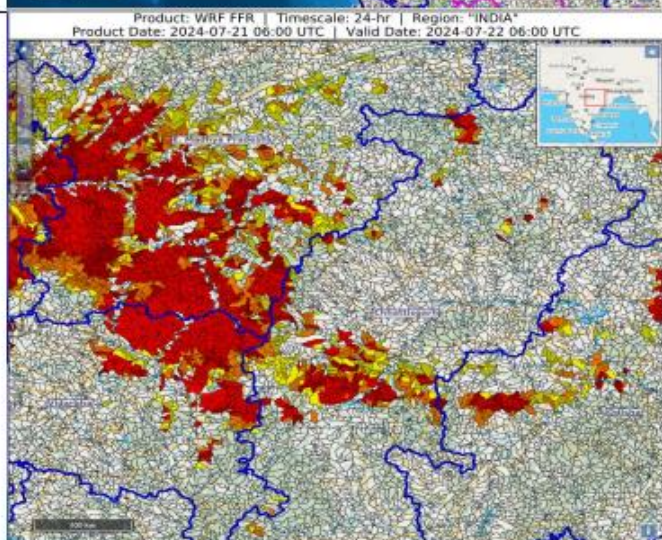
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 22-07-2024 :**

**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of **Chhattisgarh, East Madhya Pradesh** and adjoining **Vidarbha Met Sub-divisions** during next 24 hours.

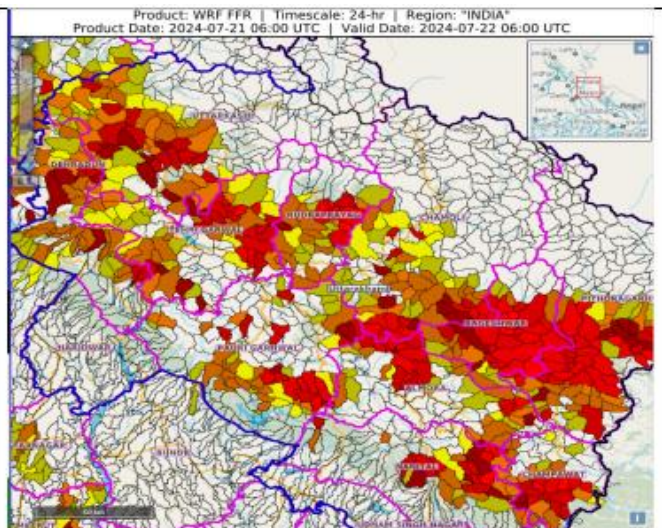
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 22-07-2024 :**

**Low to Moderate flash flood risk** likely over few watersheds & neighbourhoods of **Uttarakhand Met Sub-divisions** during 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.



## 2.3 CWC Advisories

### **Main Synoptic Feature**

- The Well marked low pressure area over interior Odisha & neighbourhood moved northwestwards and now lies over interior Odisha and adjoining Chhattisgarh at 0830 hours IST of today, the 21st July, 2024. It is likely to move northwestwards across Chhattisgarh and weaken gradually into a low-pressure area during next 12 hours.

- The Monsoon trough is active and lies south of its normal position. It is likely to move northwards during next 2 hours.
  - The shear zone lies in lower & middle tropospheric levels along 20°N tilting southwards with height.
  - The off-shore trough at mean sea level along South Gujarat-north Kerala coasts persists. ✓ A cyclonic circulation lies over northeast Arabian Sea adjoining Kutch at lower levels
  - A Western Disturbance as a trough lies in middle tropospheric with its axis at 5.8 km above mean sea level roughly runs along Long. 67°E to the north of Lat. 28°N.
  - A cyclonic circulation lies over northeast Rajasthan & neighbourhood at lower levels.
1. Isolated extremely heavy rainfall very likely over West Madhya Pradesh & Gujarat State during 21st -23rd; East Madhya Pradesh and Vidarbha on 21st July.
  2. Very heavy rainfall very likely at isolated places over Chhattisgarh on 21st & 22nd; Vidarbha on 22nd; Konkan & Goa & Madhya Maharashtra during 21st -24th; West Madhya Pradesh on 24th; East Madhya Pradesh on 22nd & 23rd; Gujarat State on 24th & 25th July.
  3. Isolated extremely heavy rainfall very likely over Uttarakhand on 21st & 22nd July.
  4. Isolated heavy to very heavy rainfall also likely over West Uttar Pradesh on 21st & 22nd; East Rajasthan on 21st & 23rd; Himachal Pradesh 22nd & 23rd; Uttarakhand during 23rd -25th July.

## Maharashtra

Due to the existence of Low Pressure Area over Odisha and adjoining Chhattisgarh and subsequent intensification of monsoon winds, water level rise is expected in Upper Bhima, Bav, Ulhas, Vaitarna, Kajvi, Panchganga, Damanganga, Vashisti and other small rivers in districts Pune, Mumbai, Satara, Kolhapur, Sindhudurg, Raigad, Palghar and Thane for next 2 days. Water level rise is also expected in rivers Upper Tapi, Wardha, Penganga, Pranhita, Indravathi and its tributaries for next 2 days. Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Anjanari	Kajvi	Ratnagiri	Severe	Rising
Nivali	Bav	Ratnagiri	Above Normal	Rising
Terwad(Seasonal)	Panchganga	Kolhapur	Above Normal	Rising

## Karnataka and Goa

Increased water levels are expected in Kabini, Harangi, Shambhavi, Swarna, Sharavati, Haladi, Aghanashini, Netravathi, Sita, Varada, Gurgur, Upper Tunga, and small rivers in Dakshin Kannada, Udupi, Uttara Kannada, Shimoga, Chikmangallur, districts for next 2 days. Increased inflow is expected into projects such as Tungabhadra, Bhadra, Harangi, Hidkal, Krishnarajasagar, Kabini, Hemavathy, Almatti, Krishnarajasagar, Narayanapur, Linganamakki for next 2 days. Releases from other dams may be Also done as per SOP after informing downstream areas. Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Kollegal	Cauvery	Kodagu	Severe	Rising
Kuppelur	Kumudvati	Haveri	Severe	Steady
Adoor	Gurgur	Uttara Kannada	Above Normal	Rising



Bantwal	Netrvathi	Dakshin Kannada	Above Normal	Rising
Santeguli	Aghanashini	Uttar Kanada	Above Normal	Falling

## Gujarat

Water level rise is expected in Purna, Ambia, Mindhola, Kaveri, Damanganga, lower Tapi and Narmada and other small rivers in districts of south Gujarat region for next 2 days. Water level rise is also expected in rivers such as Vastru, Hiran, Bhadar, Sani, Ozat, Madhuwati, Saraswati, Machhundri and other small rivers in Dwarka, Jamnagar, Porbander, Somnath, Junagadh, Amereli, Rajkot, Botad, Bhavnagar districts for next 2 days. Increased inflow is expected into projects such as Madhuban, Ukai, SS dam.

## Andhra Pradesh

Water level rise and flood like situation is expected in expected in lower Godavari and Krishna for next 24 hrs.

## Telengana and South Chattisgarh

Water level rise is expected in Indravathi, Sabari, Pranhita and other tributaries of river Godavari in Jagital, Kumaram bheem, Mancherla, Hanamkonda, Warangal, Mahabubabad, Khammam, J.Bhupalpally, Mulugu, B.Kothagudam districts for next 24 hrs.

CWC Site	River	District	Flood Type	Trend in Water Level
Perur	Godavari	Mulugu	Above Normal	Rising
Kunavaram	Godavari	Aluuri Sitharama Raju	Above Normal	Rising

CWC Site	River	District	Flood Type	Trend in Water Level
Jagdalpur	Indravathi	Bastar	Above Normal	Falling
Sukma	Sabari	Sukma	Above Normal	Falling

## Madhya Pradesh

Water level rise is expected in rivers of Upper Mahi (Jhabua, Dhar, Ratlam Dist.), Upper Tapi (Barwani, Kargone, Burhanpur, Kandwa, Betul dists.) and rivers of Narmada (Balaghat, Seoni, Chinndwara, Raisen, Sehore, Barwani, Kargone, Alirajpur dists.), Chambal (Shajapur, Ratlam, Ujjain, Sehore dists.) for next 2 days.

## Uttarakhand

Water level rise is expected in rivers of Upper Ganga, Ramganga, Sharda, Kosi, Sarayu, Gouriganga, Dhuliganga, Deoha, Gomati and its tributaries in Bageshwar, Pauri Garhwal, Champawat, Nainital and Udham Singh Nagar districts for next 2 days.

CWC Site	River	District	Flood Type	Trend in Water Level
Thal	Ramganga	Pithoragarh	Above Normal	Steady
Kanjyoti	Dhuliganga	Pithoragarh	Above Normal	Steady
Bangapani(Munshiyari)	Gauri ganga	Pithoragarh	Above Normal	Falling

## Odisha

Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Potteru	Potteru Vagu (Godavari)	Malkangiri	Severe	Rising

## Assam

Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Dhubri	Brahmaputra	Dhubri	Severe	Falling
Nt Road Crossing Jiabharali	Jiabharali	Sonitpur	Above Normal	Rising
Beki Rd Bridge	Beki	Barpeta	Above Normal	Rising
Sivasagar	Dikhow	Sivsagar	Above Normal	Rising
Neamatighat	Brahmaputra	Jorhat	Above Normal	Steady
Tezpur	Brahmaputra	Sonitpur	Above Normal	Steady
Margherita	Buridehing	Tinsukia	Above Normal	Steady
Golokganj	Sankosh	Dhubri	Above Normal	Steady
Dibrugarh	Brahmaputra	Dibrugarh	Above Normal	Steady
Nanglamoraghat	Desang	Sivasagar	Above Normal	Falling
Goalpara	Brahmaputra	Goalpara	Above Normal	Falling
Numaligarh	Dhansiri	Golaghat	Above Normal	Falling
Karimganj	Kushiyara	Karimganj	Above Normal	Falling

## Bihar

Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Baltara	Kosi	Khagaria	Severe	Steady
Birpur	Kosi	Supaul	Severe	Steady
Dumariaghat	Gandak	Gopalganj	Severe	Falling
Darauli	Ghagra	Siwan	Above Normal	Rising
Jhanjarpur	Kamlabalan	Madhubani	Above Normal	Steady
Araria	Parman	Araria	Above Normal	Steady
Kursela	Kosi	Katihar	Above Normal	Steady
Sultanganj	Ganga	Bhagalpur	Above Normal	Steady
Lalgañj	Gandak	Vaishali	Above Normal	Steady
Rewaghat	Gandak	Muzaffarpur	Above Normal	Steady
Basua	Kosi	Supaul	Above Normal	Falling
Labha	Fulhar	Katihar	Above Normal	Falling
Benibad	Bagmati	Muzaffarpur	Above Normal	Falling

## Uttar Pradesh

Keep alert of water level rise in Ramganga and its tributaries for next 2 days. Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Elginbridge	Ghaghra	Barabanki	Severe	Steady
Chandradeepghat	Kwano	Gonda	Severe	Steady
Ayodhya	Ghagra	Ayodhya	Severe	Falling
Turtipar	Ghagra	Ballia	Above Normal	Rising
Khadda	Gandak	Kushi Nagar	Above Normal	Steady
Mukhlispur	Kwano	Sant Kabir Nagar	Above Normal	Steady
Kachlabridge	Ganga	Budaun	Above Normal	Steady
Shardanagar	Sarda	Kheri	Above Normal	Steady
Basti	Kwano	Basti	Above Normal	Steady
Birdghat	Rapti	Gorakhpur	Above Normal	Falling

Paliakalan	Sarda	Kheri	Above Normal	Falling
Kakrahi	Burhi Rapti	Siddharth Nagar	Above Normal	Falling
Ch.Charan Singh Madhya Ganga Barrage	Ganga	Bijnor	Above Normal	Falling

## Kerala

Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Muthankhera	Kabini	Wayanad	Above Normal	Falling
Kondazhy	Gayatri	Trichur	Above Normal	Falling

### 3.0 Advisory Flood Forecast for next 7-days in Table form

The flood situational Flood Forecasting Stations likely to be above warning level for next 7 days

S.No.	Station	River	District	State	22-07-2024	23-07-2024	24-07-2024	25-07-2024	26-07-2024	26-07-2024	28-07-2024
1	ANNAPURNA GHAT	BARAK	CACHAR	Assam	N	N	AN	S	S	S	E
2	BADARPUR GHAT	BARAK	KARIMGANJ	Assam	N	N	AN	S	S	S	E
3	KARIMGANJ	KUSHIYARA	KARIMGANJ	Assam	AN	AN	S	S	S	S	E
4	BADATIGHAT	SUBANSIRI	LAKHIMPUR	Assam	AN	S	S	S	S	S	S
5	GOALPARA	BRAHMAPUTRA	GOALPARA	Assam	AN	AN	AN	S	S	S	S
6	GUWAHATI(D.C.COURT)	BRAHMAPUTRA	KAMRUP	Assam	N	AN	AN	S	S	S	S
7	NANGLAMORAGHAT	DESANG	SIVSAGAR	Assam	S	S	S	AN	AN	AN	S
8	NEAMATIGHAT	BRAHMAPUTRA	JORHAT	Assam	AN	S	S	S	S	S	S
9	NUMALIGARH	DHANSIRI (SOUTH)	GOLAGHAT	Assam	AN	AN	AN	AN	AN		
10	SIVASAGAR	DIKHOW	SIVSAGAR	Assam	AN	S	S	S	S	S	S
11	TEZPUR	BRAHMAPUTRA	SONITPUR	Assam	AN	AN	S	S	S	S	S
12	DHUBRI	BRAHMAPUTRA	DHUBRI	Assam	S	S	S	S	S	S	S
13	MUTHANKERA	KABINI	WAYANAD	Kerala	AN	AN	AN	S	S	AN	S
14	ARARIA	PARMAN	ARARIA	Bihar	AN	AN	AN	AN	AN	AN	S
15	AYODHYA	GHAGRA	AYODHYA	Uttar Pradesh	S	S	S	AN	AN	AN	AN
16	BALTARA	KOSI	KHAGARIA	Bihar	S	S	S	S	S	S	S
17	BENIBAD	BAGMATI	MUZAFFARPUR	Bihar	AN	AN	AN	S	S	S	S
18	BIRDEGHAT	RAPTI	GORAKHPUR	Uttar Pradesh	S	AN	N	N	N	N	N
19	DABRI	RAMGANGA	SHAHJHANPUR	Uttar Pradesh	N	N	AN	AN	S	S	S
20	ELGINBRIDGE	GHAGRA	BARABANKI	Uttar Pradesh	S	S	S	S	S	S	AN
21	DUMARIAGHAT	GANDAK	GOPALGANJ	Bihar	S	S	S	S	S	S	S
22	BHANDARA	WAINGANGA	BHANDARA	Maharashtra	N	N	N	S	S	S	S
23	BEKI ROAD BRIDGE	BEKI	BARPETA	Assam	AN	AN	AN	AN	AN	AN	AN
24	CHENIMARI (KHOWANG)	BURIDEHING	DIBRUGARH	Assam	N	N	AN	N	N	N	AN
25	DIBRUGARH	BRAHMAPUTRA	DIBRUGARH	Assam	AN	AN	AN	AN	AN	AN	AN
26	NT ROAD CROSSING JIA-BHARALI	JIABHARALI	SONITPUR	Assam	AN	AN	AN	AN	AN	AN	AN



27	ANKINGHAT	GANGA	KANPUR NAGAR	Uttar Pradesh	N	N	N	N	AN	AN	AN
28	BASUA	KOSI	SUPAUL	Bihar	AN	AN	AN	AN	AN	AN	AN
29	DARAULI	GHAGRA	SIWAN	Bihar	AN	AN	AN	AN	AN	N	N
30	DHENGRAGHAT	MAHANANDA	PURNIA	Bihar	N	AN	AN	AN	AN	AN	AN
31	JHANJHARPUR	KAMALABALAN	MADHUBANI	Bihar	AN	AN	AN	AN	AN	AN	AN
32	JHAWA	MAHANANDA	KATIHAR	Bihar	N	N	AN	AN	AN	AN	AN
33	KACHHLABRIDGE	GANGA	BUDAUN	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
34	KHADDA	GANDAK	KUSHINAGAR	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
35	KURSELA	KOSI	KATIHAR	Bihar	AN	AN	AN	AN	AN	AN	N
36	REWAGHAT	GANDAK	MUZAFFARPUR	Bihar	AN	N	N	AN	AN	AN	AN
37	RISHIKESH	GANGA	DEHRADUN	Uttarakhand	N	N	N	N	N	N	AN
38	SAHIBGANJ	GANGA	SAHIBGANJ	Jharkhand	AN	AN	AN	N	N	N	N
39	SRINAGAR	ALAKNANDA	PAURI GARHWAL	Uttarakhand	N	N	N	N	N	AN	AN
40	TURTIPAR	GHAGRA	BALLIA	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
41	DHENG BRIDGE	BAGMATI	SITAMARHI	Bihar	N	N	N	AN	AN	AN	AN
42	RUNISAIDPUR	BAGMATI	MUZAFFARPUR	Bihar	N	N	N	N	AN	AN	AN
43	JAGDALPUR	INDRAVATHI	BASTAR	Chhattisgarh	AN	AN	N	AN	N	N	N
44	KOPERGAON	GODAVARI	AHMADNAGAR	Maharashtra	N	N	N	AN	AN	N	N
45	KUNAVARAM	GODAVARI	ALLURI SITHARAMA RAJU	Andhra Pradesh	AN	AN	AN	N	N	N	N
46	PAUNI	WAINGANGA	BHANDARA	Maharashtra	N	N	N	AN	AN	AN	AN
47	CHINTURU (TALLAGUDEM_KUMMURU)	SABRI	ALLURI SITHARAMA RAJU	Andhra Pradesh	AN	AN	AN	N	N	N	N
48	DOWLAISWARAM (STATE GOVT SITE)	GODAVARI	EAST GODAVARI	Andhra Pradesh	AN	AN	AN	AN	N	N	N
49	SUBHASH BRIDGE	SABARMATI	AHMEDABAD	Gujarat	N	N	N	N	AN	AN	N
50	GOLOKGANJ	SANKOSH	DHUBRI	Assam	AN	AN	AN	AN	AN	AN	AN
51	JALDHAKA NH-31	JALDHAKA	JALPAIGURI	West Bengal	N	AN	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

#### 4.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 21<sup>th</sup> July 2024

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				
					Day1	Day2	Day3	Day4	Day 5
1	Thottapalli Reservoir	Nagavali/Nagavali&Others/ERF (Mahanadi to Pennar)	Andhra Pradesh	Vizianagaram					
2	Madduvalasa Reservoir	Nagavali/Nagavali&Others/ERF(Mahanadi to Pennar)	Andhra Pradesh	Vizianagaram					
3	Gotta Barrage	Vamsadhara/Vamsadhara/EFR(Mahanadi to Pennar)	Andhra Pradesh	Srikakulam					
4	Sunkesula Barrage	Tungabhadra/Lower Tungabhadra/Krishna	Andhra Pradesh	Kurnool					
5	Prakasam Barrage	Krishna/Lower Krishna/ Krishna	Andhra Pradesh	Krishna/ Guntur					
6	Singatalur Barrage	Tungabhadra/Upper Tungabhadra/Krishna	Karnataka	Gadag/LKD Hyderabad					
7	Kabini Reservoir	Kabini/Middle Cauvery/Cauvery	Karnataka	Mysore					
8	Harangi Reservoir	Harangi/Upper Cauvery/Cauvery	Karnataka	Kodagu					
9	Almatti Reservoir	Krishna/Upper Krishna/Krishna	Karnataka	Bagalkot					
10	Tungabhadra Dam	Tungabhadra/Upper Tungabhadra/Krishna	Karnataka	Ballari					
11	Bhadra Reservoir	Bhadra/Upper Tungabhadra/Krishna	Karnataka	Chikamagaluru					
12	Hidkal Dam	Ghataprabha/Upper krishna/Krishna	Karnataka	Belgaum					
13	Narayanpur Reservoir	Krishna/Upper krishna/Krishna	Karnataka	Bagalkot					
14	Hemavathy Reservoir	Hemavathy/Upper cauvery/Cauvery	Karnataka	Hassan					
15	NMD Weir	Godavari/Upper Godavari/Godavari	Maharashtra	Nasik/Ahmednagar					
16	Warna dam	Warna/Upper Krishna/Krishna	Maharashtra	Kolhapur					

17	Yeldari Reservoir	Purna/Middle Godavari/Godavari	Maharashtra	Parbhani					
18	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
19	Kota Barrage	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch (MP)/Dholpur, Kota, Bundi(Raj)					
20	Musi Dam	Musi/Lower Krishna/Krishna	Telangana	Nalgonda					
21	PD Jurala	Krishna/Upper krishna/Krishna	Telangana	Mahbubnagar					
22	Ichari dam	Tons/Upper Yamuna/Ganga	Uttarakhand	Dehradun/Nahan(HP)					

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