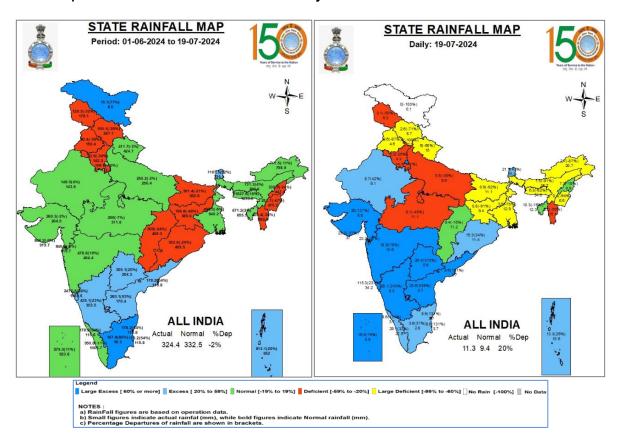


# Central Water Commission Daily Flood Situation Report cum Advisories 19-07-2024

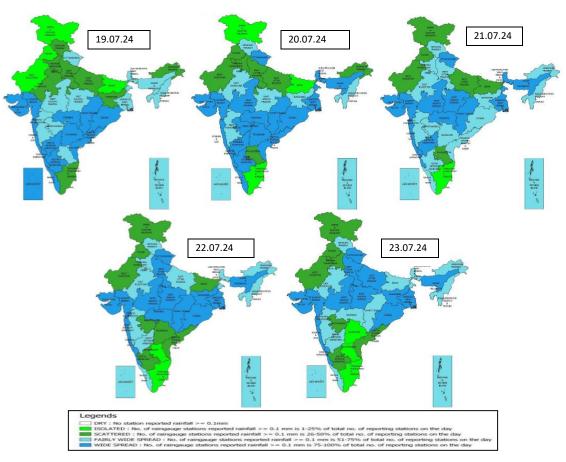
## Rainfall Situation

1.0

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



## 1.2 Rainfall forecast for next 5 days issued on19th July 2024 (Midday) by IMD



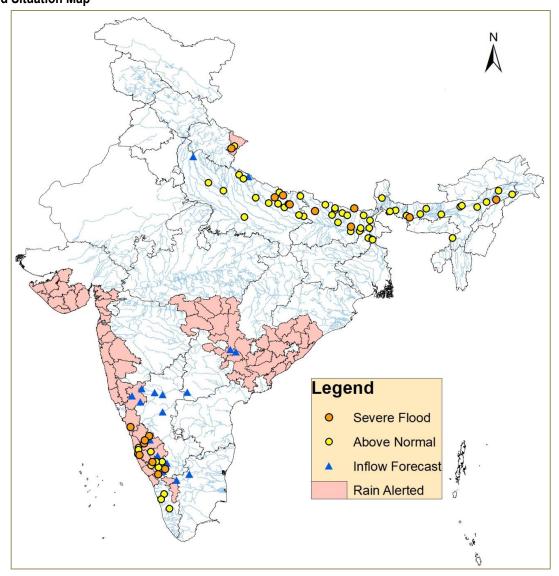
#### 2.0 Flood Situation and Advisories

#### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 19<sup>th</sup>July 2024, 6 Stations (2 each in Assam & Bihar and 1 each in Kerala & Uttar Pradesh) are flowing in Severe Flood Situation, **32** stations (11 in Bihar, 10 in Assam, 6 in Uttar Pradesh, 3 in West Bengal and 1 each in Jharkhand & Sikkim) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for **19** dams and barrages (12 in Karnataka, 3 in Telangana and 2 each in Tamilnadu & Uttar Pradesh).

PART - I:	LEVEL FORECAST	(Total Sites - 200)			
S.No.	Flood	Situations		State-wise Flood Situation	Numbers of Forecasting Sites
A	Extreme f (Site (s) where the previous Highest f	Flood Situation: Flood Level (HFL) is exceede		0	
В	(Site (s) where water level is touching or exc	lood Situation: eeding the Danger Level but I (HFL))	Assam(2), Bihar(2), Kerala(1), Uttar Pradesh(1)	6	
С	Above Norm (Site (s) where water level is touching or exce	al Flood Situation: seding the Warning Level but	below Danger Level)	Assam(10), Bihar(11), Jharkhand(1), Sikkim(1), Uttar Pradesh(6), West Bengal(3)	32
		:)	38		
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)				Karnataka(12), Tamii Nadu(2), Telangana(3), Uttar Pradesh(2)	19

Details are given at link: <a href="https://cwc.gov.in/sites/default/files/cfcrcwcdfb-19.07.2024\_5.pdf">https://cwc.gov.in/sites/default/files/cfcrcwcdfb-19.07.2024\_5.pdf</a>
Flood Situation Map



#### 24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 20-07-2024 :

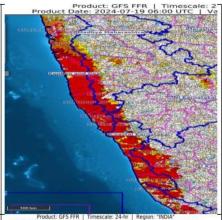
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Coastal Karnataka, SI Karnataka and Konkan & Goa Met Sub-divisions during next 24 hours.

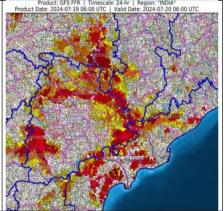
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

#### 24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 20-07-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Coastal AP & Yanam, Telangana and Vidarbha adjoining Chhattisgarh 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.

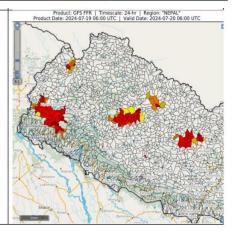




## 24 hours Flash Flood Risk Outlook till 0600 UTC of 20.07.2024:

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Western parts of Nepal during next 24 hours.

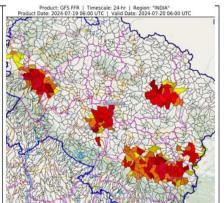
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



#### 24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 20-07-2024 :

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 depression over Northwest and adjoining Westcentral Bay of Bengal off Odisha and adjoining north Andhra Pradesh coasts moved northwestwards with a speed of 7 kmph during past 3 hours and lay centered at 1130 hours IST of today, the 19th July, 2024 over the same region near latitude 19.3°N and longitude 86.1°E, about 60 km southsoutheast of Puri (Odisha), 130 km East of Gopalpur (Odisha), 130 km south-southwest of Paradip (Odisha) and 230 km east-northeast of Kalingapatnam (Andhra Pradesh). It is likely to move northwestwards and cross Odisha coast near Puri as a depression during early morning hours of tomorrow, the 20th July, 2024. Thereafter, it would move west-northwestwards across Odisha & Chhattisgarh and weaken gradually during subsequent 24 hours.
- The Monsoon trough is active and south of its normal position. It is likely to remain south of its normal position during next 2-3 days.
- A shear zone runs in lower & middle tropospheric levels roughly along 20°N tilting southwards with height.
- The off-shore trough at mean sea level runs along south Gujarat-north Kerala coasts at mean sea level.
- A cyclonic circulation lies over Northeast Arabian Sea & adjoining Saurashtra in lower tropospheric levels.
- Isolated extremely heavy rainfall very likely over Konkan & Goa, Madhya Maharashtra, Telangana, South Interior Karnataka, Coastal Karnataka, Vidarbha on 19th & 20th; Gujarat State, Coastal Andhra Pradesh & Yanam, south Odisha and south Chhattisgarh on 19th July; Gujarat Region on 21st and Saurashtra & Kutch on 22nd July.
- 2. Heavy to very heavy rainfall very likely at isolated/some places over Konkan & Goa, Madhya Maharashtra, Gujarat State, Coastal & South Interior Karnataka during next 5 days; Kerala & Mahe, Telangana during 19th-21st; Coastal Andhra Pradesh & Yanam on 19th & 20th; Tamil Nadu on 19th & 20th; over Odisha, Vidarbha, Chhattisgarh, Marathwada on 20th; Madhya Pradesh during 20th-23rd July.
- 3. Isolated very heavy rainfall also likely over East Rajasthan on 21st; Himachal Pradesh on 22nd & 23rd and Uttarakhand during 20th-22nd July.

#### **Andhra Pradesh**

Water level rise and flood like situation is expected in expected in Yeleru, Nagavalli, river of lower Godavari and Krishna and other east flowing rivers in districts, Eluru, Allurisitharamaraju, Srikakulam, Vizianagaram, Vizag, Anakapalli, Kakinada, E.Goadavari, Konaseema, W.Godavari, Krishna, NTR and Guntur for next 2 days.

#### **Telengana and South Chattisgarh**

Water level rise is expected in Indravathi, Sabari, Pranhita and other tributaries of river Godavari in Nirmal, Jagital, Kumaram bheem, Mancherial, Hanamkonda, Warangal, Mahabubabad, Khammam, Karimnagar, Pedapalle, J.Bhupalpally, Mulugu, B.Kothagudam districts.

#### Odisha

Water level rise is expected in rivers Indravathi, Kolab, Vamsadhra, Rushikulya and adjoining Mahanadi and its tributaries in districts for next 2 days.

#### Maharashtra

Due to the existence of Depression in Bay of Bengal and intensification of monsoon winds water level rise is expected in Upper Bhima, Bav, Ulhas, Vaitarna, Damanganga, Vashisti and other small rivers in districts Pune, Satara, Kolhapur, Sindhudurg, Raigad, Palghar and Thane for next 2 days. Water level rise is also expected in rivers Wardha, Penganga, Pranhita, Indravathi and its tributaries for next 2 days.

#### Gujarat

Water level rise is expected in Purna, Ambia, Damanganga, lower Tapi and Narmada and other small rivers in districts of south Guajrat region. Water level rise is also expected in rivers of Jamnagar, Somnath, Junagadh, Amereli, Rajkot districts.

#### Karnataka

Due to intensification of south-westerly winds, very heavy to extremely heavy rains are continuing over west coast hence Increased water levels are expected in Ghataprapha, Hemavathy, Kabini, Harangi, Shambhavi, Swarna, Sharavati, Haladi, Aghanashini, Netravathi, Sita, Varada, Kumuvati, Gurpur, Upper Tunga, Upper Krishna and small rivers in Belgaum, Dakshin Kannada, Udupi, Uttara Kannada, Shimoga, Chikmangallur, Hassan 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 24 hrs. 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
Mukkodlu	Harangi	Kodagu	Severe	Rising
Santeguli	Aghanashini	Uttar Kanada	Severe	Rising
Mahishi	Tunga	Shimoga	Severe	Rising
Bantwal	Netrvathi	Dakshin Kannada	Severe	Rising
Muthankhera	Kabini	Wayanad	Severe	Steady
Shimoga	Tunga	Shimoga	Severe	Steady
Hommaragalli	Kabini	Mysore	Severe	Steady
Hariharapura	Tunga	Chickmagalur	Severe	Falling
Napoklu	Cauvery	Kodagu	Above Normal	Rising
Yennehole	Sawarna	Udupi	Above Normal	Rising
Kudige	Cauvery	Kodagu	Above Normal	Rising
Addoor	Gurpur	Dakshin Kannada	Above Normal	Rising
Chunchunkatte	Kaveri	Mysore	Above Normal	Rising
Kollegal	Kaveri	Chamarajanagar	Above Normal	Rising
Bettadamane	Hemavathy	Chickmagalur	Above Normal	Falling

#### Kerala

Water level rise is expected in Kabini, Periyar, Bharathapuzha, Kuttyadi and other small rivers in districts Kasaragode, Kannur, Kozhikode, Malapuram for next 24 hrs. Outflow from the dams may be done as per SOP after informing downstream areas. Current flood situation in the state as per CWC network is as follows:

CWC Site	CWC Site River District		Flood Type	Trend in Water Level
Muthankera	Kabini	Wyanad	Severe	Steady
Kondazhy	Gayatri	Trichur	Above Normal	Steady
Palakavadu	Karuvannur	Thrissur	Above Normal	Steady
Manakkad	Thodupuzza	ldukki	Above Normal	Steady

#### **Assam**

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

CWC Site	River	District	Flood Type	Trend in Water Level
Nanglamoraghat	Desang	Sivasagar	Severe	Steady
Dhubri	Brahmaputra	Dhubri	Severe	Steady
Beki Rd Bridge	Beki	Barpeta	Above Normal	Rising
Dibrugarh	Brahmaputra	Dibrugarh	Above Normal	Steady
Goalpara	Brahmaputra	Goalpara Above Normal		Steady
Guwahati(DC Court)	Brahmaputra	Kamrup	Above Normal	Steady
NT Road crossing Jia- Bharali	Jiabharali	Sonitpur	Above Normal	Steady
Tezpur	Brahmaputra	Sonitpur	Above Normal	Steady
Neamatighat	Brahmaputra	Jorhat	Above Normal	Falling
Margherita	Buridehing	Tinsukia	Above Normal	Falling
Golokganj	Sankosh	Dhubri	Above Normal	Falling
Numaligarh	Dhansiri	Golaghat	Above Normal	Falling
Karimganj	Kushiyara	Karimganj	Above Normal	Falling

## West Bengal & Sikkim

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

CWC Site	River	District	Flood Type	Trend in Water Level
CS 97 A Ganga Farakka	Ganga	Murshidabad	Above Normal	Steady
Jaldhaka NH-31	Jaldhaka	Jalpaiguri	Above Normal	Steady
Mekhliganj	Teesta	Cooch Behar	Above Normal	Falling
Melli	Teesta	Namchi	Above Normal	Falling

### Uttarakhand

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

CWC Site	River	District	Flood Type	Trend in Water Level
Thal	Ramganga	Pithoragarh	Severe	Falling
Bangapani(Munsyari)	Gauriganga	Pithoragarh	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
Birpur	Kosi	Supaul	Severe	Rising
Dumariaghat	Gandak	Gopalganj	Severe	Steady
Baltara	Kosi	Khagaria	Severe	Falling
Darauli	Ghagra	Siwan	Above Normal	Rising
Dhengraghat	Mahananda	Purnia	Above Normal	Rising

Dheng Bridge	Bagmati	Sitamarhi	Above Normal	Steady
Jhawa	Mahananda	Katihar	Above Normal	Steady
Kahalgaon	Ganga	Bhagalpur	Above Normal	Steady
Basua	Kosi	Supaul	Above Normal	Steady
Rosera	BurhiGandak	Samastipur	Above Normal	Steady
Azmabad	Ganga	Bhagalpur	Above Normal	Falling
Sultanganj	Ganga	Bhagalpur	Above Normal	Steady
Jhanjarpur	Kamlabalan	Madhubani	Above Normal	Falling
Araria	Parman	Araria	Above Normal	Falling
Saharghat	Adwara	Madhubani	Above Normal	Falling
Labha	Fulhar	Katihar	Above Normal	Falling
Kursela	Kosi	Katihar	Above Normal	Falling
Benibad	Bagmati	Muzaffarpur	Above Normal	Falling
Saulighat	Adhwara	Madhubani	Above Normal	Falling
Saharghat	Adhwara	Madhubani	Above Normal	Falling
Lalganj	Gandak	Vaishali	Above Normal	Falling

## **Uttar Pradesh**

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

CWC Site	River	District	Flood Type	Trend in Water Level
Chandradeepghat	Kwano	Gonda	Severe	Steady
Birdghat	Rapti	Gorakhpur	Severe	Falling
Kakrahi	BurhiRapti	Siddhartnagar	Severe	Falling
Ayodhya	Ghagra	Ayodhya	Above Normal	Rising
Kachlabridge	Ganga	Budaun	Above Normal	Rising
Shardanagar	Sarda	Kheri	Above Normal	Rising
Turtipar	Ghagra	Ballia	Above Normal	Rising
Basti	Kwano	Basti	Above Normal	Rising
Khadda	Gandak	Kushi Nagar	Above Normal	Steady
Regauli	Rapti	Gorakhpur	Above Normal	Falling
Elginbridge	Ghaghra	Barabanki	Above Normal	Steady
Mukhlispur	Kwano	SantKabir Nagar	Above Normal	Falling
Paliakalan	Sarda	Kheri	Above Normal	Falling
Dabri	Ramganga	Shahjahanpur	Above Normal	Falling
Muhchurwaghat	BurhiRapti	Siddhartnagar	Above Normal	Falling
Bhitaura	Ganga	Fatehpur	Above Normal	Falling

## 3.0 Advisory Flood Forecast for next 7-daysinTableform

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

S.No.	Station	River	District	State	20-07-2024	21-07-2024	22-07-2024	23-07-2024	24-07-2024	25-07-2024	26-07-2024
1	Annapurna ghat	Barak	Cachar	Assam	N	N	N	S	Е	Е	Е
2	Matijuri	Katakhal	Hailakandi	Assam	N	N	N	N	N	E	Е
3	Badarpur ghat	Barak	Karimganj	Assam	N	N	N	S	S	Е	Е
4	Karimganj	Kushiyara	Karimganj	Assam	AN	AN	AN	S	S	Е	Е
5	Goalpara	Brahmaputra	Goalpara	Assam	AN	AN	AN	AN	AN	S	S
	Nt road crossing jia-									_	
6	bharali	Jiabharali	Sonitpur	Assam	AN	AN	AN	AN	AN	S	S
7	Nanglamoraghat	Desang	Sivsagar	Assam	S	AN	AN	AN	AN	AN	N
8	Neamatighat	Brahmaputra	Jorhat	Assam	AN	AN	AN	S	S	S	S
9	Tezpur	Brahmaputra	Sonitpur	Assam	AN	AN	AN	S	S	S	S
10	Dhubri	Brahmaputra	Dhubri	Assam	S	S	S	S	S	S	S
11	Araria	Parman	Araria	Bihar	S	S	S	S	S	S	S
12	Vapi	Daman ganga	Valsad	Gujarat	N	N	AN	S	N	N	N
13	Baltara	Kosi	Khagaria	Bihar	S	S	S	S	S	S	S
14	Benibad	Bagmati	Muzaffarpur	Bihar	AN	AN	AN	AN	AN	S	S
15	Birdghat	Rapti	Gorakhpur	Uttar pradesh	S	S	S	AN	N	AN	AN
16	Dabri	Ramganga	Shahjhanpur	Uttar pradesh	AN	AN	AN	AN	S	S	S
17	Ekmighat	Adhwara	Darbhanga	Bihar	N	N	N	N	AN	S	S
18	Hayaghat	Bagmati	Darbhanga	Bihar	N	N	N	N	AN	AN	S
19	Kamtaul	Adhwara	Darbhanga	Bihar	AN	AN	AN	AN	AN	S	S
20	Dumariaghat	Gandak	Gopalganj	Bihar	S	S	S	S	S	S	S
21	Dheng bridge	Bagmati	Sitamarhi	Bihar	N	AN	AN	AN	AN	AN	S
22	Runisaidpur	Bagmati	Muzaffarpur	Bihar	N	N	N	AN	AN	AN	S
23	Kopergaon	Godavari	Ahmadnagar	Maharashtra	N	N	S	S	S	S	AN
24	Nasik	Godavari	Nashik	Maharashtra	N	N	S	S	AN	AN	N
25	Bhandara	Wainganga	Bhandara	Maharashtra	N	N	S	S	S	S	S
26	Akhuapada	Baitarani	Bhadrak	Odisha	N	N	N	AN	AN	AN	N
27	Badatighat	Subansiri	Lakhimpur	Assam	N	AN	AN	AN	AN	AN	AN
28	Beki road bridge	Beki	Barpeta	Assam	AN						
29	Chenimari (khowang)	Buridehing	Dibrugarh	Assam	N	N	N	AN	N	N	N
30	Dharamtul	Kopili	Marigaon	Assam	N	N	N	N	N	AN	AN
31	Dibrugarh	Brahmaputra	Dibrugarh	Assam	AN						

32	Guwahati(d.c.court)	Brahmaputra	Kamrup	Assam	AN	N	AN	AN	AN	AN	AN
	,	Dhansiri	·								
33	Numaligarh	(south)	Golaghat	Assam	N	AN	AN	AN	AN	AN	AN
34	Sivasagar	Dikhow	Sivsagar	Assam	N	AN	AN	AN	AN	AN	AN
35	Muthankera	Kabini	Wayanad	Kerala	AN	N	N	N	N	N	N
36	Daman	Daman ganga	Daman	Daman & diu	N	N	AN	AN	N	N	N
			Kanpur								
37	Ankinghat	Ganga	nagar	Uttar pradesh	N	N	N	N	AN	AN	AN
38	Ayodhya	Ghagra	Ayodhya	Uttar pradesh	AN						
39	Balrampur	Rapti	Balrampur	Uttar pradesh	N	N	N	N	N	N	AN
40	Basua	Kosi	Supaul	Bihar	AN						
41	Dalmau	Ganga	Raibareli	Uttar pradesh	N	N	N	N	N	AN	AN
42	Darauli	Ghagra	Siwan	Bihar	AN	AN	AN	N	N	N	N
43	Dhengraghat	Mahananda	Purnia	Bihar	AN	N	N	AN	AN	AN	AN
44	Elginbridge	Ghagra	Barabanki	Uttar pradesh	AN						
45	Jhanjharpur	Kamalabalan	Madhubani	Bihar	AN						
46	Jhawa	Mahananda	Katihar	Bihar	AN						
47	Kachhlabridge	Ganga	Budaun	Uttar pradesh	AN						
48	Kahalgaon	Ganga	Bhagalpur	Bihar	AN						
49	Kannauj	Ganga	Kannauj	Uttar pradesh	N	N	N	N	AN	AN	AN
50	Khadda	Gandak	Kushinagar	Uttar pradesh	AN						
51	Khagaria	Burhi gandak	Khagaria	Bihar	AN						
52	Kursela	Kosi	Katihar	Bihar	AN						
53	Rewaghat	Gandak	Muzaffarpur	Bihar	N	N	N	N	N	N	AN
54	Sahibganj	Ganga	Sahibganj	Jharkhand	AN						
55	Turtipar	Ghagra	Ballia	Uttar pradesh	AN	AN	AN	AN	N	N	N
56	Farakka(ff)	Ganga	Murshidabad	West bengal	AN						
	Dowlaiswaram (state		East	Andhra							
57	govt site)	Godavari	godavari	pradesh	AN	AN	AN	AN	AN	AN	N
58	Golokganj	Sankosh	Dhubri	Assam	AN						
59	Mekhliganj (r_b)	Teesta	Kochbihar	West bengal	AN	AN	N	N	N	N	N
60	Melli	Teesta	Namchi	Sikkim	AN	AN	N	N	N	N	N

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

For more details, please visit <a href="https://frs.india-water.gov.in/">https://frs.india-water.gov.in/</a> for flood forecast monitoring & short range flood forecast and <a href="https://aff.india water.gov.in/">https://aff.india-water.gov.in/</a> 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 19th July 2024

Storageabove85%	
Storageabove60%	

QPF categories (mm)	0	0.1-10	11-25	26-37	38-50	51-75	76-100	>100

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	Narayanpur Reservoir	Krishna/Upper krishna/Krishna	Karnataka	Bagalkot						
11	Hemavathy Reservoir	Hemavathy/Upper cauvery/Cauvery	Karnataka	Hassan						
12	NMD Weir	Godavari/Upper Godavari/Godavari	Maharashtra	Nasik/Ahmednagar						
13	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)						
14	Kota Barrage	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch (MP)/Dholpur, Kota, Bundi(Raj)						
15	Musi Dam	Musi/Lower Krishna/Krishna	Telangana	Nalgonda						
16	Ichari dam	Tons/Upper Yamuna/Ganga	Uttarakhand	Dehradun/Nahan(HP)						