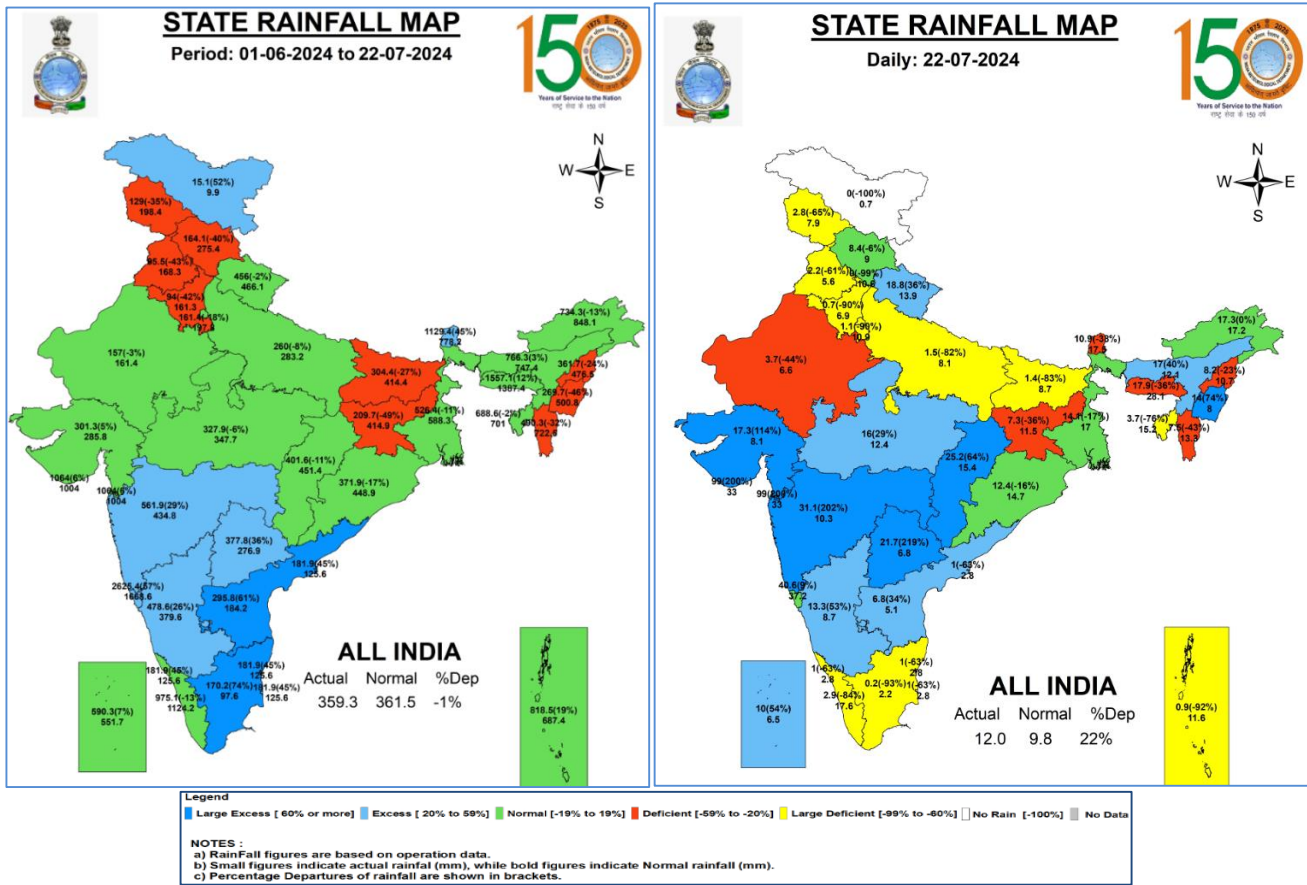




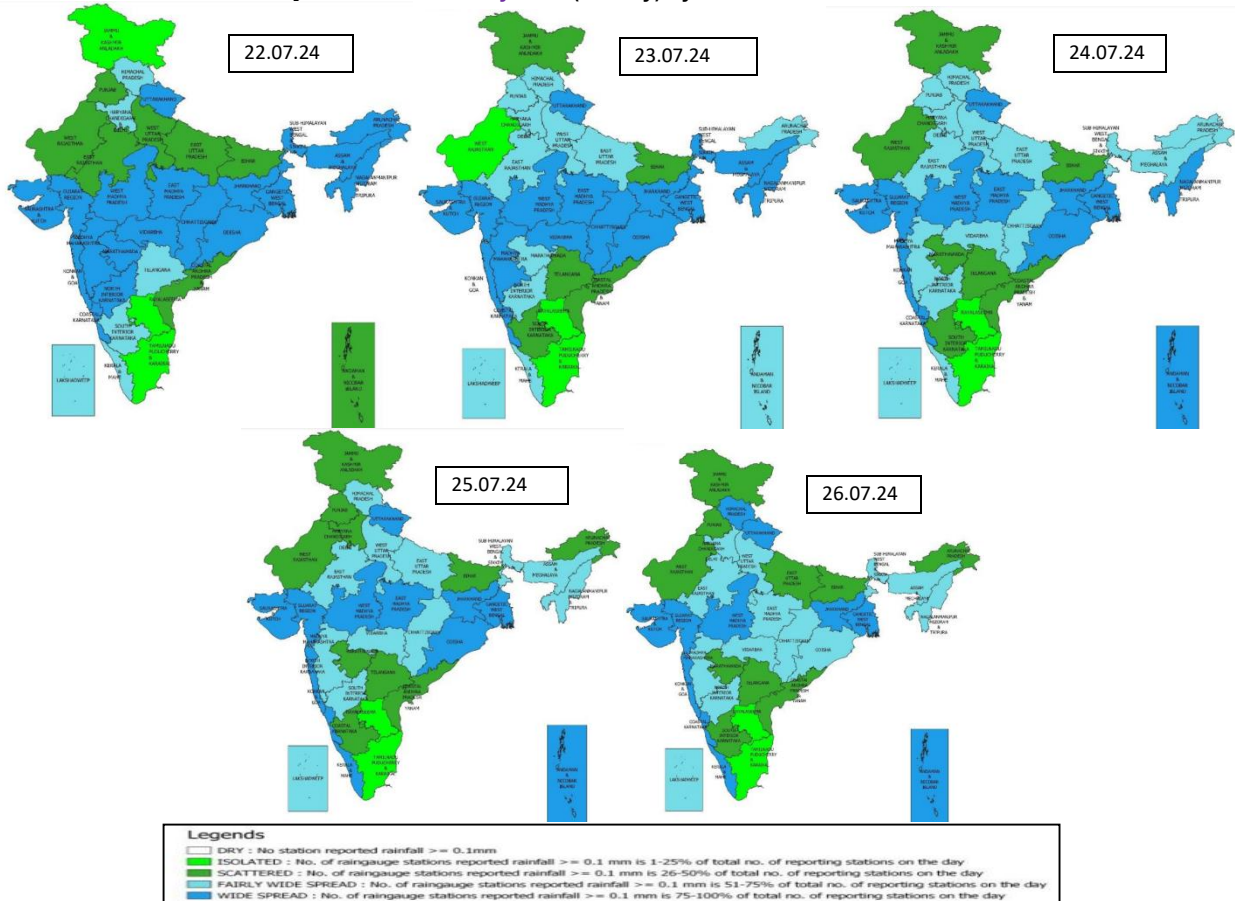
Central Water Commission
Daily Flood Situation Report cum Advisories
22-07-2024

1.0 Rainfall Situation

1.1 Statewise departure from normal of cumulative and daily rainfall



1.2 Rainfall forecast for next 5 days issued on 22nd July 2024 (Midday) by IMD



2.0 Flood Situation and Advisories

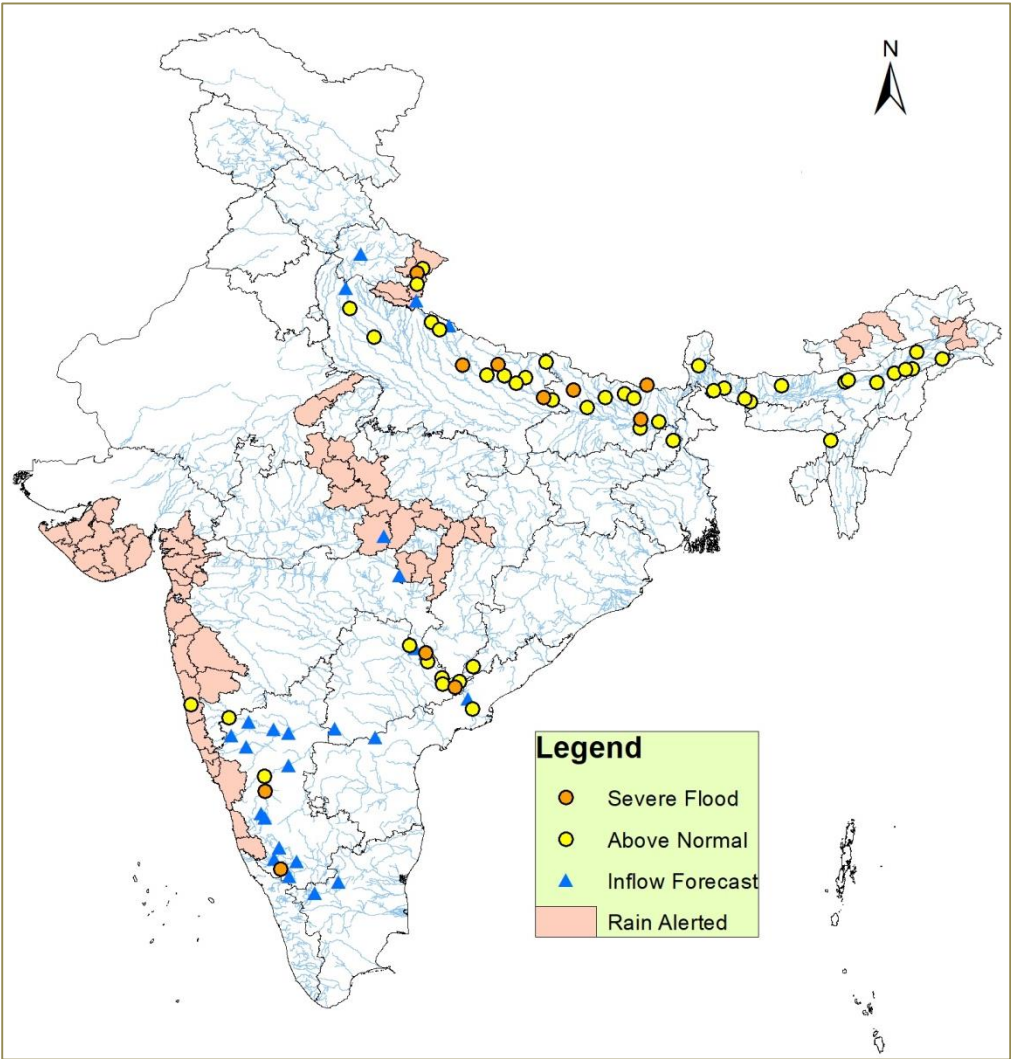
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 22nd July 2024, 6 Stations (2 each in Uttar Pradesh & Bihar and 1 each in Andhra Pradesh & Assam) are flowing in Severe Flood Situation, 31 stations (11 in Assam, 6 in Bihar, 5 in Uttar Pradesh, 4 in Telangana, 2 each in Andhra Pradesh & West Bengal & 1 in Sikkim) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 25 dams and barrages (12 in Karnataka, 3 in Telangana, 2 each in Andhra Pradesh, Maharashtra, Tamil Nadu, Uttar Pradesh & Uttarakhand).

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))	Andhra Pradesh(1), Assam(1), Bihar(2), Uttar Pradesh(2)	6	
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	Andhra Pradesh(2), Assam(11), Bihar(6), Sikkim(1), Telangana(4), Uttar Pradesh(5), West Bengal(2)	31	
Total number of sites above Warning Level (A+B+C)			37	
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(2), Karnataka(12), Maharashtra(2), Tamil Nadu(2), Telangana(3), Uttar Pradesh(2), Uttarakhand(2)	25	

Details are given at link:https://cwc.gov.in/sites/default/files/cfrcwcdfb-22.07.2024_5.pdf

Flood Situation Map



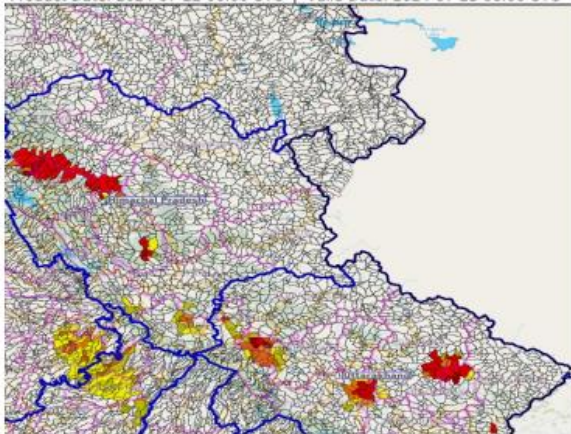
2.2 Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 23-07-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Uttarakhand** and **Himachal Pradesh** 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.

Product: GFS FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2024-07-22 06:00 UTC | Valid Date: 2024-07-23 06:00 UTC

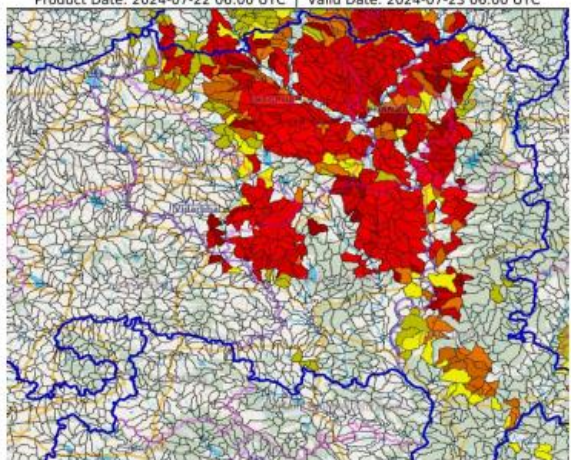


24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 23-07-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **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.

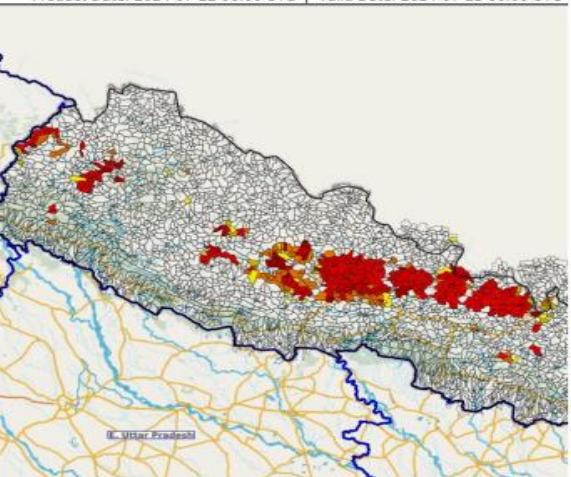
Product: GFS FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2024-07-22 06:00 UTC | Valid Date: 2024-07-23 06:00 UTC



24 hours Flash Flood Risk Outlook till 0600 UTC of 23.07.2024:

Low to moderate flash flood risk likely over few watersheds and neighbourhoods of **western and central parts of Nepal** during next 24 hours.

Product: WRF FFR | Timescale: 24-hr | Region: "NEPAL"
Product Date: 2024-07-22 06:00 UTC | Valid Date: 2024-07-23 06:00 UTC



2.3 CWC Advisories

Main Synoptic Feature

- The Low-Pressure Area over East Madhya Pradesh & adjoining Chhattisgarh persists.
- The Monsoon trough is active and lies south of its normal position. It is likely to move northwards during next 24 hours.
- The shear zone lies in lower & middle tropospheric levels along 21°N tilting southwards with height. The off-shore trough at mean sea level along South Gujarat-Kerala coasts.

- A Western Disturbance seen as a trough in middle tropospheric levels roughly along Long. 65°E to the north of Lat. 30°N.
1. Isolated extremely heavy rainfall very likely over Gujarat State, Konkan & Goa, Madhya Maharashtra during 22nd-24th and West Madhya Pradesh on 22nd July.
 2. Very heavy rainfall very likely at isolated places over East Madhya Pradesh during 22nd-24th; Chhattisgarh, Vidarbha, Coastal Karnataka on 22nd; Konkan & Goa, Madhya Maharashtra, Gujarat State 25th & 26th; West Madhya Pradesh and Odisha on 23rd & 24th July.
 3. Isolated very heavy rainfall also likely over Uttarakhand on 22nd & 23rd; West Uttar Pradesh, Punjab, Haryana on 23rd and East Rajasthan on 23rd & 24th July.

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 Vatr, 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.

Karnataka and Goa

Increased water levels are expected in Kabini, Harangi, Shambhavi, Swarna, Sharavati, Haladi, Aghanashini, Netravathi, Sita, Varada, Gurgur, Upper Tunga, Mandovi, Zuari and small rivers in Dakshin Kannada, Udupi, Uttara Kannada, Shimoga, Chikmagalur, North and South Goa districts for next 2 days. Increased inflow is expected into projects such as Tungabhadra, Bhadra, Harangi, Hidkal, Krishnarajasagar, Kabini, Hemavathy, Almati, 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
Kuppelur	Kumudvati	Haveri	Severe	Falling
Kollegal	Cauvery	Chamarajanagar	Severe	Falling
Marol	Varadha	Haveri	Above Normal	Rising
Santeguli	Aghanashini	Uttar Kanada	Above Normal	Falling

Maharashtra

Due to the existence of Low Pressure Area over East Madhya Pradesh & 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
Terwad(Seasonal)	Panchganga	Kolhapur	Above Normal	Rising

Andhra Pradesh

Water level rise and flood like situation is expected in expected in lower Godavari and Krishna for next 24 hrs. Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Kunavaram	Godavari	AlluriSitharama	Severe	Rising
Chinturu	Sabri	AlluriSitharama	Above Normal	Rising
Dowlaiswaram	Godavari	East Godavari	Above Normal	Rising

Telengana and South Chattisgarh

Water level rise is expected in Indravathi, Sabari, Pranhita and in rivers of lower Godavari and in lower main stem for next 24 hrs.

CWC Site	River	District	Flood Type	Trend in Water Level
Perur	Godavari	Mulugu	Severe	Rising
Bhadrachalam	Godavari	Bhadradi	Above Normal	Rising
Dummagudem	Godavari	Bhadradi	Above Normal	Rising
Eturunugaram	Godavari	Mulugu	Above Normal	Rising
Kaleswaram	Godavari	Bhupalpally	Above Normal	Rising

Madhya Pradesh

Water level rise is expected in rivers of Upper Mahi (Dhar Dist.), Upper Tapi (Barwani, Kandwa dists.) and rivers of Narmada (Balaghat, Seoni, Chinndwara, Hoshangabad, Narsinghpur, Barwani, Alirajpur dists.) for next 2 days.

CWC Site	River	District	Flood Type	Trend in Water Level
Burhanpur	Tapi	Rajgarh	Above Normal	Rising

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	Severe	Falling
Ghat	Sarju	Pithoragarh	Above Normal	Falling
Bangapani(Munsyari)	Gauri Ganga	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
Dumariaghat	Gandak	Gopalganj	Severe	Steady

Birpur	Kosi	Supaul	Severe	Steady
Baltara	Kosi	Khagaria	Severe	Falling
Basua	Kosi	Supaul	Above Normal	Rising
Darauli	Ghagra	Siwan	Above Normal	Rising
Benibad	Bagmati	Muzaffarpur	Above Normal	Rising
GangpurSiswan	Ghagra	Siwan	Above Normal	Rising
Jhanjarpur	Kamlabalan	Madhubani	Above Normal	Steady
Lalganj	Gandak	Vaishali	Above Normal	Steady
Sultanganj	Ganga	Bhagalpur		Steady
Kursela	Kosi	Katihar	Above Normal	Steady
Labha	Fulhar	Katihar		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
Turtipar	Ghagra	Ballia	Severe	Rising
Elginbridge	Ghaghra	Barabanki	Severe	Steady
Chandradeepghat	Kwano	Gonda	Severe	Falling
Kachlabridge	Ganga	Budaun	Above Normal	Rising
Mukhlispur	Kwano	SantKabir Nagar	Above Normal	Steady
Garhmukteshwar	Ganga	Hapur	Above Normal	Steady
Paliakalan	Sarda	Kheri	Above Normal	Steady
Basti	Kwano	Basti	Above Normal	Steady
Shardanagar	Sarda	Kheri	Above Normal	Steady
Birdghat	Rapti	Gorakhpur	Above Normal	Falling
Khadda	Gandak	Kushi Nagar	Above Normal	Falling
Ayodhya	Ghagra	Ayodhya	Above Normal	Falling

Assam

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

CWC Site	River	District	Flood Type	Trend in Water Level
Sivasagar	Dikhow	Sivasagar	Severe	Rising
Nanglamoraghat	Desang	Sivasagar	Above Normal	Rising
Margherita	Buridehing	Tinsukia	Above Normal	Rising
Numaligarh	Dhansiri(S)	Golaghat	Above Normal	Rising
Beki Rd Bridge	Beki	Barpeta	Above Normal	Rising
Tezpur	Brahmaputra	Sonitpur	Above Normal	Steady
Neamatighat	Brahmaputra	Jorhat	Above Normal	Steady
Golokganj	Sankosh	Dhubri	Above Normal	Steady
Karimganj	Kushiyara	Karimganj	Above Normal	Steady
Dibrugarh	Brahmaputra	Dibrugarh	Above Normal	Steady
Dhubri	Brahmaputra	Dhubri	Above Normal	Falling
Goalpara	Brahmaputra	Goalpara	Above Normal	Falling
NT Rd Xing JiaBharali	Jiabharali	Sonitpur	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
Mekhliganj	Teesta	Cooch Behar	Above Normal	Rising
Jaldhaka NH-31	Jaldhaka	Jalpaiguri	Above Normal	Falling
Melli	Teesta	Namchi	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	23-07-2024	24-07-2024	25-07-2024	26-07-2024	27-07-2024	28-07-2024	29-07-2024
1	ANNAPURNA GHAT	BARAK	CACHAR	Assam	AN	S	S	S	S	S	S
2	BADARPUR GHAT	BARAK	KARIMGANJ	Assam	AN	S	S	S	S	S	S
3	KARIMGANJ	KUSHIYARA	KARIMGANJ	Assam	AN	S	S	S	S	S	S
4	BADATIGHAT	SUBANSIRI	LAKHIMPUR	Assam	AN	AN	AN	AN	AN	AN	S
5	CHENIMARI (KHOWANG)	BURIDEHING	DIBRUGARH	Assam	N	AN	AN	N	N	N	S
6	GOALPARA	BRAHMAPUTRA	GOALPARA	Assam	AN	AN	AN	AN	S	S	S
7	NANGLAMORAGHAT	DESANG	SIVSAGAR	Assam	AN	AN	AN	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	S	S	S
10	SIVASAGAR	DIKHOW	SIVSAGAR	Assam	AN	S	S	S	AN	S	S
11	TEZPUR	BRAHMAPUTRA	SONITPUR	Assam	AN	AN	S	S	S	S	S
12	DHUBRI	BRAHMAPUTRA	DHUBRI	Assam	AN	AN	S	S	S	S	S
13	MUTHANKERA	KABINI	WAYANAD	Kerala	AN	AN	AN	S	AN	AN	AN
14	ARARIA	PARMAN	ARARIA	Bihar	AN	AN	AN	AN	AN	AN	S
15	AYODHYA	GHAGRA	AYODHYA	Uttar Pradesh	S	AN	AN	AN	AN	AN	AN
16	BALTARA	KOSI	KHAGARIA	Bihar	S	S	S	S	S	S	S
17	ELGINBRIDGE	GHAGRA	BARABANKI	Uttar Pradesh	S	AN	AN	AN	AN	AN	AN
18	KHADDA	GANDAK	KUSHINAGAR	Uttar Pradesh	AN	AN	AN	AN	AN	S	S
19	DUMARIAGHAT	GANDAK	GOPALGANJ	Bihar	S	S	S	S	S	S	S
20	PAUNI	WAINGANGA	BHANDARA	Maharashtra	N	AN	AN	S	S	AN	AN
21	BHANDARA	WAINGANGA	BHANDARA	Maharashtra	N	N	N	AN	S	S	AN

				ashtra							
22	AKHUAPADA	BAITARANI	BHADRAK	Odisha	N	N	N	N	N	N	AN
23	BEKI ROAD BRIDGE	BEKI	BARPETA	Assam	AN	AN	AN	AN	AN	AN	AN
24	DIBRUGARH	BRAHMAPUTRA	DIBRUGARH	Assam	AN	AN	AN	AN	AN	AN	AN
25	GOLAGHAT	DHANSIRI (SOUTH)	GOLAGHAT	Assam	N	N	N	N	N	AN	AN
26	GUWAHATI(D.C.COURT)	BRAHMAPUTRA	KAMRUP	Assam	N	N	AN	AN	AN	AN	AN
27	NT ROAD CROSSING JIA-BHARALI	JIABHARALI	SONITPUR	Assam	AN	AN	AN	AN	AN	AN	AN
28	PUTHIMARI NH RD XING	PUTHIMARI	KAMRUP	Assam	N	N	N	N	N	N	AN
29	BASUA	KOSI	SUPAUL	Bihar	AN	AN	AN	AN	AN	AN	AN
30	BENIBAD	BAGMATI	MUZAFFARPUR	Bihar	AN	AN	AN	AN	AN	AN	AN
31	BIRDGHAT	RAPTI	GORAKHPUR	Uttar Pradesh	AN	N	N	N	N	N	N
32	DABRI	RAMGANGA	SHAHJHANPUR	Uttar Pradesh	N	N	N	N	AN	AN	AN
33	DARAU LI	GHAGRA	SIWAN	Bihar	AN	AN	AN	AN	AN	AN	N
34	DHENGRAGHAT	MAHANANDA	PURNIA	Bihar	N	N	N	N	AN	AN	AN
35	GARHMUKTESHWAR	GANGA	HAPUR	Uttar Pradesh	AN	AN	AN	N	N	N	AN
36	JHANJHARPUR	KAMALABALAN	MADHUBANI	Bihar	N	AN	AN	AN	AN	AN	AN
37	JHAWA	MAHANANDA	KATIHAR	Bihar	N	N	N	N	N	AN	AN
38	KACHHLABRIDGE	GANGA	BUDAUN	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
39	KURSELA	KOSI	KATIHAR	Bihar	AN	AN	AN	AN	N	N	N
40	REWAGHAT	GANDAK	MUZAFFARPUR	Bihar	AN	N	AN	AN	AN	AN	AN
41	TURTIPAR	GHAGRA	BALLIA	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN

				h							
42	DHENG BRIDGE	BAGMATI	SITAMARHI	Bihar	N	N	AN	AN	AN	AN	AN
43	RUNISAIDPUR	BAGMATI	MUZAFFARPUR	Bihar	N	N	N	AN	AN	AN	AN
44	KUNAVARAM	GODAVARI	ALLURI SITHARAMA RAJU	Andhra Pradesh	AN	AN	N	N	N	N	N
45	DOWLAISWARAM (STATE GOVT SITE)	GODAVARI	EAST GODAVARI	Andhra Pradesh	AN	N	N	N	N	N	N
46	SUBHASH BRIDGE	SABARMATI	AHMEDABAD	Gujarat	N	N	N	AN	AN	N	N
47	GOLOKGANJ	SANKOSH	DHUBRI	Assam	AN	AN	AN	AN	AN	AN	AN
48	JALDHAKA NH-31	JALDHAKA	JALPAIGURI	West Bengal	N	AN	AN	N	N	N	AN
49	MELLI	TEESTA	NAMCHI	Sikkim	N	N	N	N	N	N	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 22nd 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	Krishnarajasagar Reservoir	Cauvery/Middle Cauvery/Cauvery	Karnataka	Mandya					
16	NMD Weir	Godavari/Upper Godavari/Godavari	Maharashtra	Nasik/Ahmednagar					

17	Warna dam	Warna/Upper Krishna/Krishna	Maharashtra	Kolhapur					
18	Totladoh Project	Pench/Wainganga/Godavary	Maharashtra	Nagpur					
19	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
20	Kota Barrage	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch (MP)/Dholpur, Kota, Bundi(Raj)					
21	Musi Dam	Musi/Lower Krishna/Krishna	Telangana	Nalgonda					
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