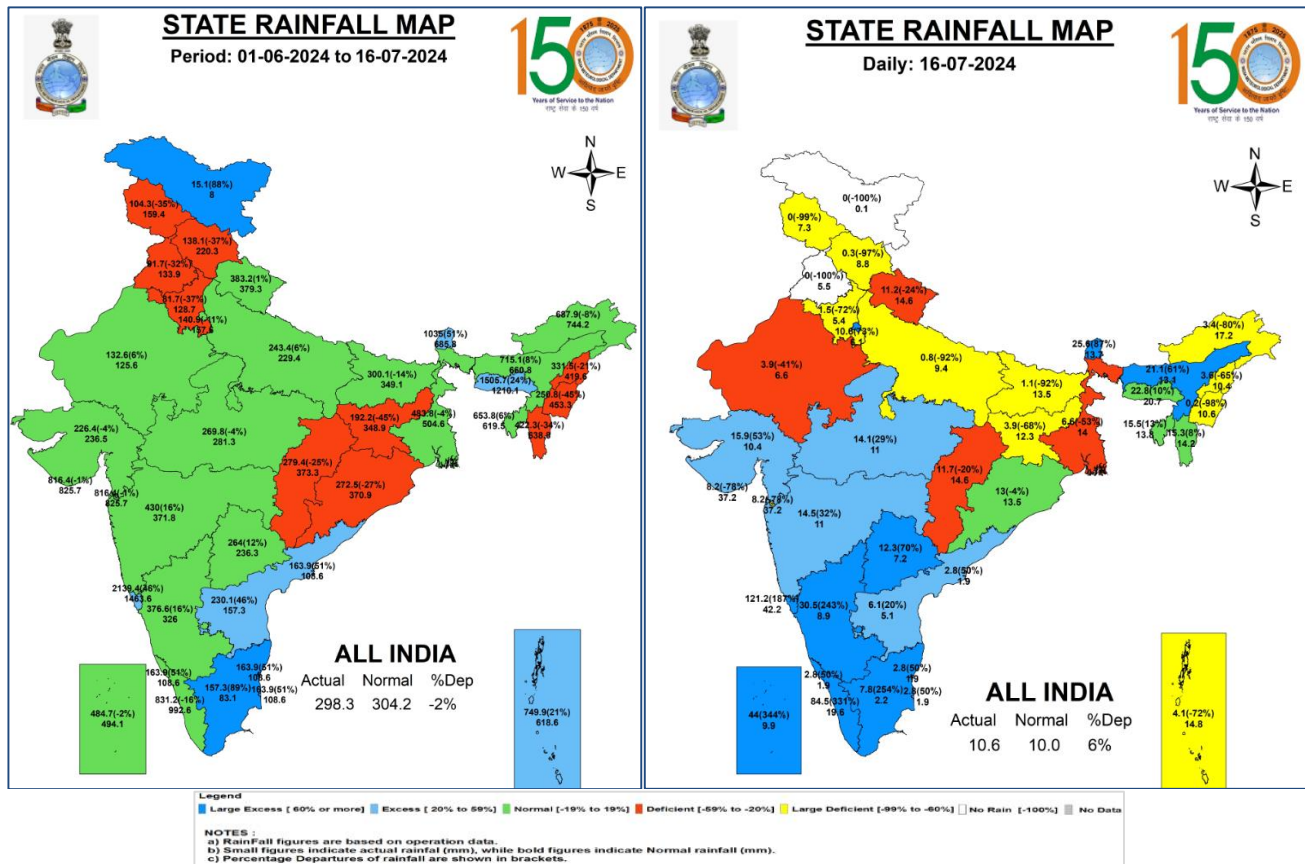




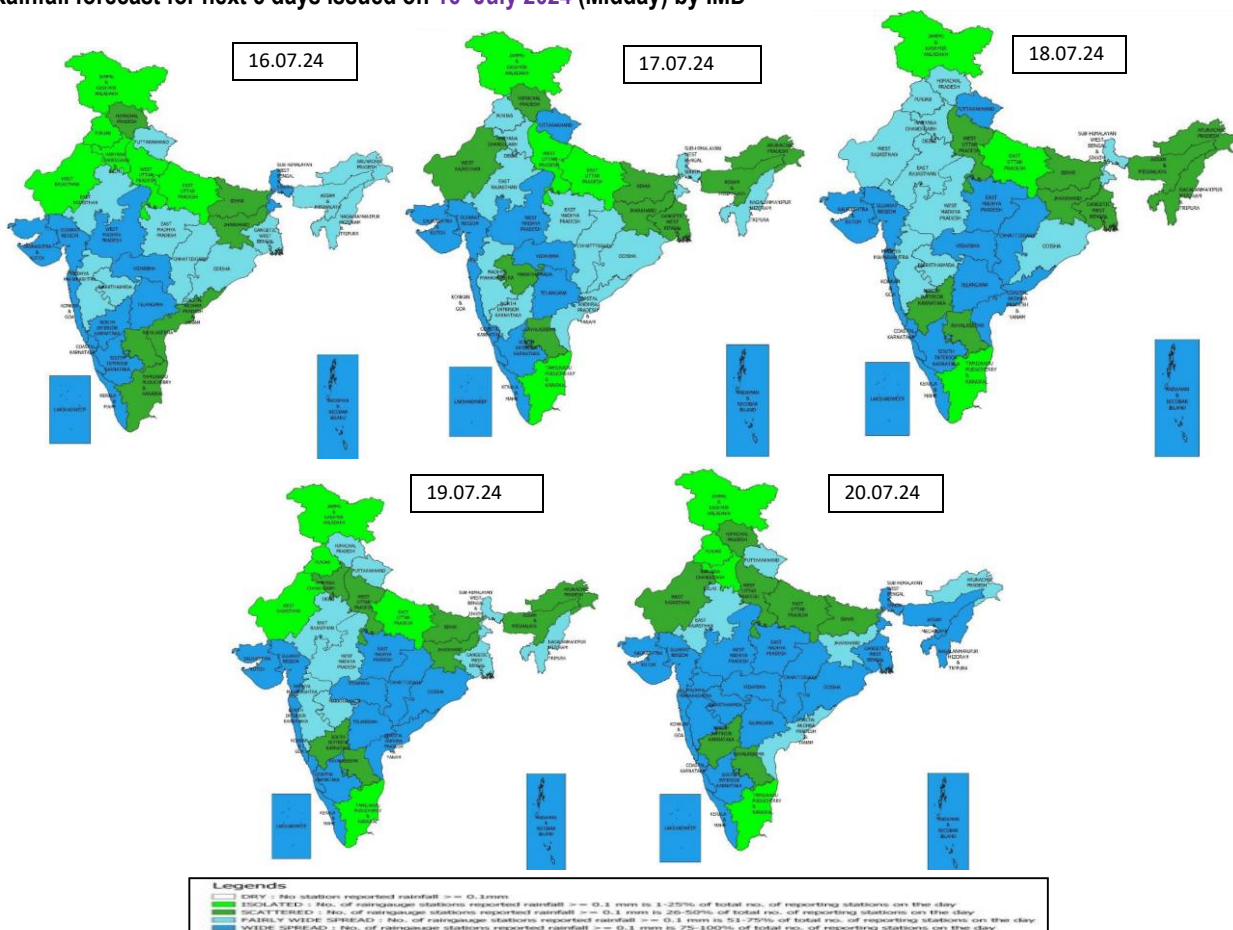
Central Water Commission
Daily Flood Situation Report cum Advisories
16-07-2024

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 16th July 2024 (Midday) by IMD



2.0 Flood Situation and Advisories

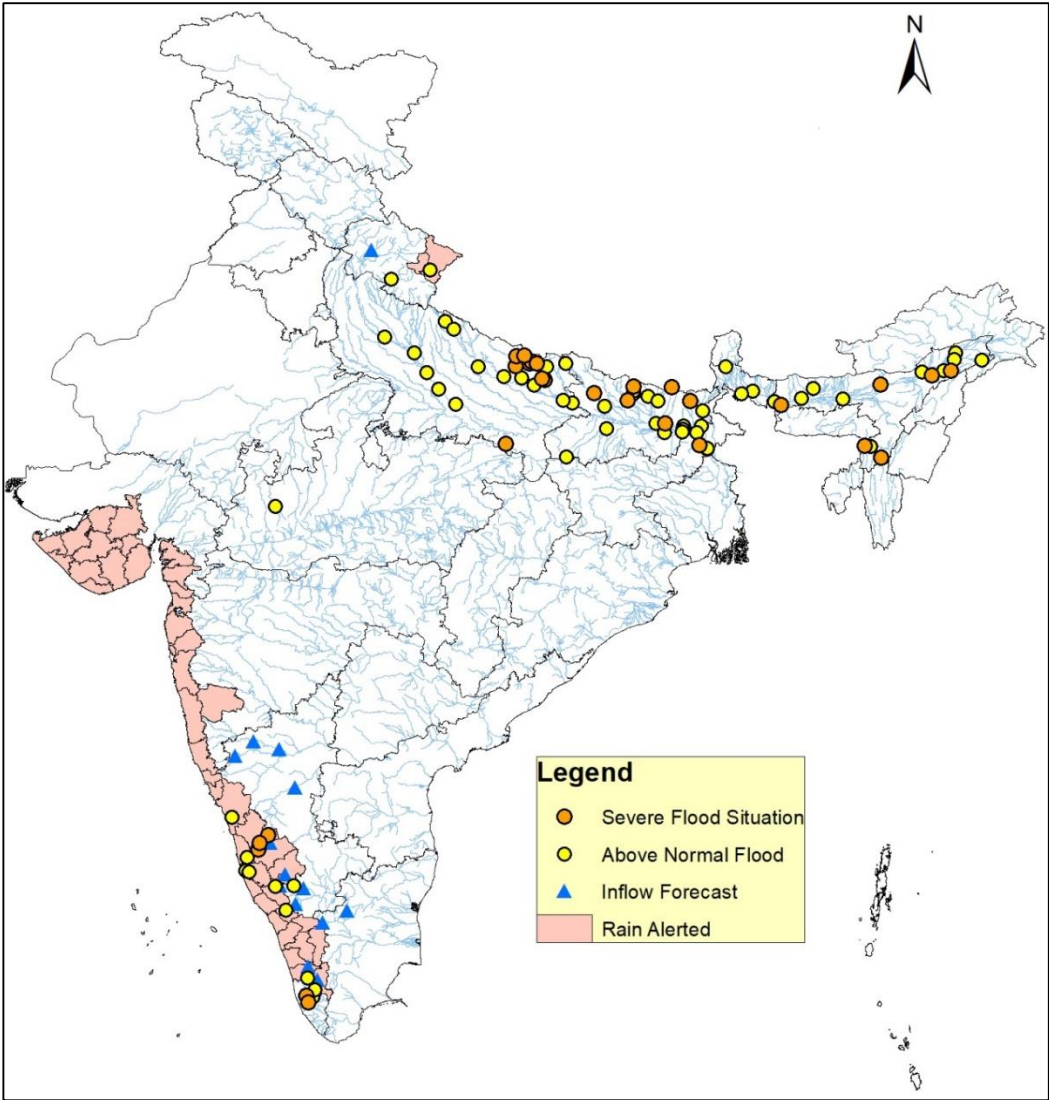
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 16th July 2024, 11 Stations (5 in Assam, 4 in Bihar and 2 in Uttar Pradesh) are flowing in Severe Flood Situation, 33 stations (10 in Bihar, 09 in Assam, 8 in Uttar Pradesh, 3 in West Bengal & 1 in Sikkim, Kerala & Jharkhand) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 15 dams and barrages (10 in Karnataka, 2 each in Kerala & Tamilnadu and 1 in Uttarakhand).

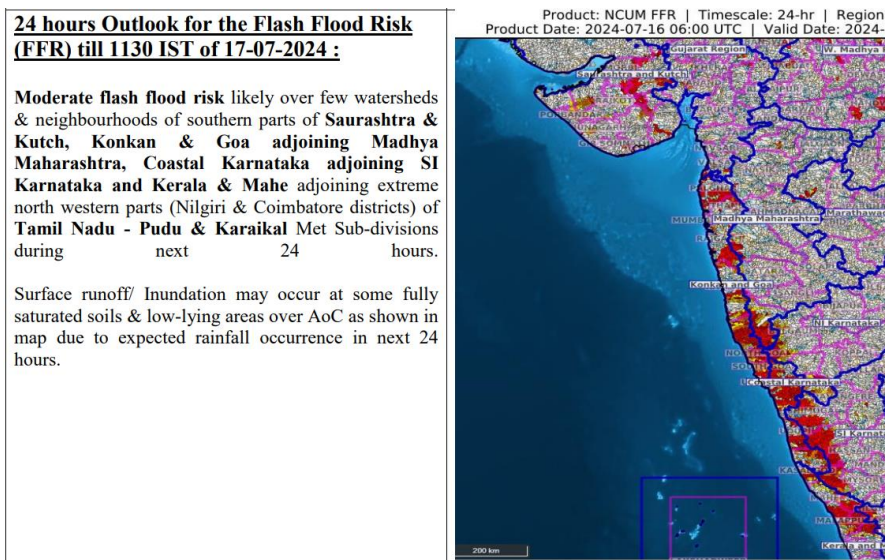
PART - I: LEVEL FORECAST		(Total Sites - 200)		
S.No.	Flood Situations	State-wise Flood Situation	Numbers of Forecasting Sites	
A	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)		0	
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	Assam(5), Bihar(4), Uttar Pradesh(2)	11	
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	Assam(9), Bihar(10), Jharkhand(1), Kerala(1), Sikkim(1), Uttar Pradesh(8), West Bengal(3)	33	
Total number of sites above Warning Level (A+B+C)			44	
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(10), Kerala(2), Tamil Nadu(2), Uttarakhand(1)	15	

Details are given at link: https://cwc.gov.in/sites/default/files/cfrcwcdfb-16.07.2024_6.pdf

Flood Situation Map



2.2 Flash Flood Guidance



2.3 CWC Advisories

Main Synoptic Situation and Rainfall Alerts (As per IMD)

- A low-pressure area lies over south Chhattisgarh & adjoining Vidarbha and associated cyclonic circulation extends upto middle tropospheric levels tilting southwestwards with height.
 - The Monsoon trough is active and south of its normal position. It is likely to be south of its normal position during next 4-5 days.
 - A shear zone runs in lower & middle tropospheric levels roughly along 19°N tilting southwards with height.
 - The off-shore trough runs along south Gujarat-north Kerala coasts at mean sea level.
 - Heavy to very heavy rainfall very likely at isolated/some places over Konkan & Goa, Madhya Maharashtra, Gujarat State, Karnataka and Kerala & Mahe during next 5 days.
1. Isolated extremely heavy rainfall very likely over Konkan & Goa on 16th, 18th & 19th; Madhya Maharashtra during 18th-20th; Gujarat state, South Interior Karnataka, Tamil Nadu on 16th; Coastal Karnataka on 16th & 17th July.
 2. Isolated very heavy rainfall likely over Tamil Nadu on 17th; West Madhya Pradesh on 16th & 17th; Vidarbha on 16th, 19th & 20th; Chhattisgarh on 19th & 20th; Coastal Andhra Pradesh & Yanam, Telangana during 18th-20th July.
 3. Isolated very heavy rainfall also likely over Odisha on 19th & 20th; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 20th July.
 4. Isolated very heavy rainfall also likely over Uttarakhand and East Rajasthan on 17th & 18th July.

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 Ghataprabha, Kabini, Harangi, Shambhavi, Swarna, Haladi, Aghanashini, Netravathi, Sita, Varada, Kumuvati, Gurpur, Upper Tunga and small rivers in Belgaum, Dakshin Kannada, Udupi, Uttara Kannad, Shimoga, Chikmangallur, Kodagu, Mysore, Hassan districts for next 24 hrs. Increased inflow is expected into projects such as Tungabhadra, Bhadra, Harangi, Krishnarajasagar, Kabini, Hemavathy 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	River	District	Flood Type	Trend in Water Level
Mahishi	Tunga	Shimoga	Severe	Rising
Shimoga	Tunga	Shimoga	Severe	Falling
Hariharpura	Tunga	Chikmagalur	Severe	Falling
Mukkodlu	Harangi	Kodagu	Above Normal	Rising
Addoor	Gurpur	Dakshin Kannada	Above Normal	Rising
Bantwal	Netrvathi	Dakshin Kannada	Above Normal	Rising
Chunchunkatte	Kaveri	Mysore	Above Normal	Rising
Santeguli	Aghanashini	Uttar Kanada	Above Normal	Falling
Yennehole	Swarna	Udupi	Above Normal	Falling

Kerala and Tamilnadu

Increased water levels are expected to continue in Manimala, Achankoil, Gayatri, Pamba, Kabini, Periyar rivers and other small rivers in districts Kasaragode, Kannur, Kozhikode, Malapuram, Ernakulam, Trichur and Idukki for next 24 hrs. Due to increased rains in Nilgris and Coimbatore areas increased inflow is expected into Idukki, Idamalayar (Kerala), Mettur, Bhavanisagar dams (Tamilnadu). Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Thumpamon	Achankovil	Pathanamthitha	Severe	Rising
Kalloopara	Manimala	Pathanamthitha	Severe	Falling
Madamon	Pamba	Pathanamthitha	Above Normal	Rising
Muthankhera	Kabini	Wayanad	Above Normal	Rising
Pulakkayar	Manimala	Kottayam	Above Normal	Falling
Manakkad	Thodupuzza	Idukki	Above Normal	Falling

Maharashtra

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 24 hrs.

Gujarat

Water level rise is expected in rivers Purna, Ambika, Damanganga, Mahi, Shetrunji for next 24 hrs. Increased inflows are expected in Kadana, Shetrunji, Ukai projects.

Assam

Water level is expected to be in steady to falling conditions in lower, middle and upper Brahmaputra and its tributaries 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
Dholai			Severe	Rising
Dhubri	Brahmaputra	Dhubri	Severe	Steady
Neamatighat	Brahmaputra	Jorhat	Severe	Falling
Tezpur	Brahmaputra	Sonitpur	Severe	Falling
Nanglamoraghat	Desang	Sivasagar	Severe	Steady
Karimganj	Kushiyara	Karimganj	Severe	Steady
Beki Rd Bridge	Beki	Barpeta	Above Normal	Rising

Golokganj	Sankosh	Dhubri	Above Normal	Steady
Goalpara	Brahmaputra	Goalpara	Above Normal	Steady
Guwahati(DC Court)	Brahmaputra	Kamrup	Above Normal	Steady
Badarpurghat	Barak	Karimganj	Above Normal	Falling
Sivasagar	Dikhow	Sivasagar	Above Normal	Falling
Badatighat	Subansiri	Lakhimpur	Above Normal	Falling
Dibrugarh	Brahmaputra	Dibrugarh	Above Normal	Falling
Chenimari	Buridehing	Dibrugarh	Above Normal	Falling
Margherita	Buridehing	Tinsukia	Above Normal	Falling

West Bengal & Sikkim

Water level is expected to be in steady to falling conditions in rivers Teesta, Jaldhaka, Torsa, Raidak and its tributaries 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
Mekhliganj	Teesta	Cooch Behar	Above Normal	Steady
CS 97 A Ganga Farakka	Ganga	Murshidabad	Above Normal	Rising
Jaldhaka NH-31	Jaldhaka	Jalpaiguri	Above Normal	Steady
Melli	Teesta	Namchi	Above Normal	Falling

Bihar

Water level is expected to be in steady to falling conditions in Kosi, Mahananda, Bagmati, Adhwara, Gandak rivers 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
Labha	Fulhar	Katihar	Severe	Steady
Araria	Parman	Araria	Severe	Steady
Birpur	Kosi	Supaul	Severe	Steady
Saharghat	Adwara	Madhubani	Severe	Falling
Benibad	Bagmati	Muzaffarpur	Severe	Falling
Lalganj	Gandak	Vaishali	Severe	Falling
Baltara	Kosi	Khagaria	Severe	Falling
Dumariaghat	Gandak	Gopalganj	Severe	Falling
Khagaria	Burhi Gandak	Khagaria	Above Normal	Steady
Azmabad	Ganga	Bhagalpur	Above Normal	Steady
Jhawa	Mahananda	Katihar	Above Normal	Steady
Kamtaul	Adhwara	Darbhanga	Above Normal	Steady
Saulighat	Adhwara	Madhubani	Above Normal	Steady
Kursela	Kosi	Katihar	Above Normal	Steady
Rewaghat	Gandak	Muzaffarpur	Above Normal	Falling
Kahalgaon	Ganga	Bhagalpur	Above Normal	Steady
Dhengraghat	Mahananda	Purnia	Above Normal	Steady
Basua	Kosi	Supaul	Above Normal	Steady
Jhanjarpur	Kamlabalan	Madhubani	Above Normal	Falling
Darauli	Ghagra	Siwan	Above Normal	Falling
Kolhachak	Dhardha	Patna	Above Normal	Falling

Uttar Pradesh

In river Ghagra, Rapti, Burhi rapti rivers and main Ganga stem water level expected to be in steady to falling conditions 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
Birdghat	Rapti	Gorakhpur	Severe	Steady
Muhchurwaghat	Burhi Rapti	Siddhartnagar	Severe	Steady
Chandradeepghat	Kwano	Gonda	Severe	Steady
Regauli	Rapti	Gorakhpur	Severe	Steady
Bansi	Rapti	Siddhartnagar	Severe	Falling
Kakrahi	Burhi Rapti	Siddhartnagar	Severe	Falling
Uskabazar	Burhi Rapti	Siddhartnagar	Severe	Falling
Porsohan Ghat	Burhi Rapti	Siddhartnagar	Severe	Falling
Basti	Kwano	Basti	Above Normal	Rising
Mukhlisipur	Kwano	Sant Kabir Nagar	Above Normal	Steady
Dabri	Ramganga	Shahjahanpur	Above Normal	Steady
Khadda	Gandak	Kushi Nagar	Above Normal	Steady
Paliakalan	Sarda	Kheri	Above Normal	Steady
Turtipar	Ghagra	Ballia	Above Normal	Falling
Trimohinighat	Rohin	Maharajganj	Above Normal	Falling
Ayodhya	Ghagra	Ayodhya	Above Normal	Falling
Shardanagar	Sarda	Kheri	Above Normal	Falling
Kachlabridge	Ganga	Budaun	Above Normal	Steady
Elginbridge	Ghaghra	Barabanki	Above Normal	Falling
Ankinghat	Ganga	Kanpur nagar	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	17-07-2024	18-07-2024	19-07-2024	20-07-2024	21-07-2024	22-07-2024	23-07-2024
1	ANNAPURNA GHAT	BARAK	CACHAR	Assam	AN	S	S	E	E	E	E
2	BADARPUR GHAT	BARAK	KARIMGANJ	Assam	AN	S	S	S	E	E	E
3	KARIMGANJ	KUSHIYARA	KARIMGANJ	Assam	S	S	S	E	E	E	E
4	BENIBAD	BAGMATI	MUZAFFARPUR	Bihar	S	S	S	S	E	E	E
5	AKHUAPADA	BAITARANI	BHADRAK	Odisha	N	N	N	N	N	S	S
6	NANGLAMORAGHAT	DESANG	SIVSAGAR	Assam	S	AN	AN	AN	N	AN	AN
7	NEAMATIGHAT	BRAHMAPUTRA	JORHAT	Assam	S	S	S	S	S	S	S
8	NUMALIGARH	DHANSIRI (SOUTH)	GOLAGHAT	Assam	AN	AN	AN	AN	S	S	S
9	SIVASAGAR	DIKHOW	SIVSAGAR	Assam	AN	AN	AN	AN	S	S	S
10	TEZPUR	BRAHMAPUTRA	SONITPUR	Assam	S	S	S	S	S	S	S
11	DHUBRI	BRAHMAPUTRA	DHUBRI	Assam	S	S	S	S	S	S	S
12	ARARIA	PARMAN	ARARIA	Bihar	S	S	S	S	S	S	S
13	BALTARA	KOSI	KHAGARIA	Bihar	S	S	S	S	AN	AN	AN
14	BANSI	RAPTI	SIDDHARTH NAGAR	Uttar Pradesh	S	S	AN	AN	N	AN	AN
15	BIRDEGHAT	RAPTI	GORAKHPUR	Uttar Pradesh	S	S	S	AN	AN	S	S
16	DABRI	RAMGANGA	SHAHJHANNUPUR	Uttar Pradesh	AN	AN	AN	N	N	AN	S
17	DHENGRAGHAT	MAHANANDA	PURNIA	Bihar	S	AN	AN	AN	AN	AN	AN
18	EKMIGHAT	ADHWARA	DARBHANGA	Bihar	N	N	N	N	AN	S	S
19	HAYAGHAT	BAGMATI	DARBHANGA	Bihar	N	N	N	N	N	AN	S
20	KAHALGAON	GANGA	BHAGALPUR	Bihar	AN	S	S	S	S	S	S
21	KAMTAUL	ADHWARA	DARBHANGA	Bihar	S	S	S	S	S	S	S
22	KHADDA	GANDAK	KUSHINAGAR	Uttar Pradesh	AN	AN	AN	AN	AN	S	S
23	KHAGARIA	BURHI	KHAGARIA	Bihar	AN	AN	S	S	S	S	S

		GANDAK									
24	KURSELA	KOSI	KATIHAR	Bihar	AN	S	S	S	S	S	S
25	REWAGHAT	GANDAK	MUZAFFARPUR	Bihar	S	S	AN	AN	AN	AN	AN
26	SAHIBGANJ	GANGA	SAHIBGANJ	Jharkhand	AN	AN	S	S	S	S	S
27	DUMARIAGHAT	GANDAK	GOPALGANJ	Bihar	S	S	S	S	S	S	S
28	DHENG BRIDGE	BAGMATI	SITAMARHI	Bihar	AN	AN	AN	AN	AN	S	AN
29	RUNISAIDPUR	BAGMATI	MUZAFFARPUR	Bihar	AN	AN	AN	AN	AN	S	S
30	BADATIGHAT	SUBANSIRI	LAKHIMPUR	Assam	AN	AN	AN	AN	AN	AN	AN
31	BEKI ROAD BRIDGE	BEKI	BARPETA	Assam	AN	AN	AN	AN	AN	AN	AN
32	CHENIMARI (KHOWANG)	BURIDEHING	DIBRUGARH	Assam	AN	AN	AN	AN	AN	N	N
33	DHARAMTUL	KOPILI	MARIGAON	Assam	N	AN	AN	AN	AN	AN	AN
34	DIBRUGARH	BRAHMAPUTRA	DIBRUGARH	Assam	AN	AN	AN	AN	AN	AN	AN
35	GOALPARA	BRAHMAPUTRA	GOALPARA	Assam	AN	AN	AN	AN	AN	AN	AN
36	GOLAGHAT	DHANSIRI (SOUTH)	GOLAGHAT	Assam	N	N	N	N	AN	AN	AN
37	GUWAHATI(D.C.COURT)	BRAHMAPUTRA	KAMRUP	Assam	AN	AN	AN	AN	AN	AN	AN
38	NT ROAD CROSSING JIABHARALI	JIABHARALI	SONITPUR	Assam	N	AN	AN	AN	AN	AN	AN
39	KAMPUR	KOPILI	NAGAON	Assam	N	N	N	N	N	N	AN
40	ANKINGHAT	GANGA	KANPUR NAGAR	Uttar Pradesh	AN	N	N	N	N	N	AN
41	AYODHYA	GHAGRA	AYODHYA	Uttar Pradesh	AN	AN	N	N	N	N	N
42	BALRAMPUR	RAPTI	BALRAMPUR	Uttar Pradesh	N	N	N	N	N	N	AN
43	BAREILLY	RAMGANGA	BAREILLY	Uttar Pradesh	N	N	N	N	N	N	AN
44	BASUA	KOSI	SUPAUL	Bihar	AN	AN	AN	AN	AN	AN	AN
45	BHAGALPUR	GANGA	BHAGALPUR	Bihar	N	AN	AN	AN	AN	AN	AN
46	CHATIA	GANDAK	PURBA CHAMPARAN	Bihar	N	AN	AN	AN	N	AN	AN

47	DARAU LI	GHAGRA	SIWAN	Bihar	AN	AN	AN	AN	AN	AN	AN
48	ELGINBRIDGE	GHAGRA	BARABANKI	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
49	HATHIDAH	GANGA	PATNA	Bihar	AN	AN	AN	AN	AN	AN	AN
50	JHANJHARPUR	KAMALABA LAN	MADHUBANI	Bihar	AN	AN	AN	AN	AN	AN	AN
51	JHAWA	MAHANAN DA	KATIHAR	Bihar	AN	AN	AN	AN	AN	AN	AN
52	KACHHLABRIDGE	GANGA	BUDAUN	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
53	KANNAUJ	GANGA	KANNAUJ	Uttar Pradesh	N	N	N	N	N	N	AN
54	GANDHIGHAT	GANGA	PATNA	Bihar	AN	AN	AN	AN	AN	AN	AN
55	TURTIPAR	GHAGRA	BALLIA	Uttar Pradesh	AN	AN	AN	AN	AN	AN	N
56	JAINAGAR	KAMLA	MADHUBANI	Bihar	AN	AN	AN	AN	AN	AN	AN
57	MORADABAD	RAMGANG A	MORADABA D	Uttar Pradesh	N	N	N	N	N	N	AN
58	FARAKKA(FF)	GANGA	MURSHIDAB AD	West Bengal	AN	AN	AN	AN	AN	AN	AN
59	DOWLAISWARAM (STATE GOVT SITE)	GODAVARI	EAST GODAVARI	Andhra Pradesh	N	AN	AN	AN	AN	AN	AN
60	KUMBIDI	BHARATHA PUZHA	PALAKKAD	Kerala	AN	AN	N	N	N	N	N
61	SONBARSA	ADHWARA	SITAMARHI	Bihar	N	N	N	N	N	N	AN
62	GOLOKGANJ	SANKOSH	DHUBRI	Assam	AN	AN	AN	AN	N	AN	AN
63	JALDHAKA NH-31	JALDHAKA	JALPAIGURI	West Bengal	AN	AN	AN	N	N	AN	AN
64	MEKHLIGANJ (R_B)	TEESTA	KOCHBIHAR	West Bengal	AN	AN	AN	N	N	N	N
65	MELLI	TEESTA	NAMCHI	Sikkim	AN	AN	AN	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 <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 16th 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	Gotta Barrage	Vamsadhara/Vamsadhara/EFR(Mahanadi to Pennar)	Andhra Pradesh	Srikakulam					
3	Sunkesula Barrage	Tungabhadra/Lower Tungabhadra/Krishna	Andhra Pradesh	Kurnool					
4	Prakasam Barrage	Krishna/Lower Krishna/ Krishna	Andhra Pradesh	Krishna/ Guntur					
5	Singatalur Barrage	Tungabhadra/Upper Tungabhadra/Krishna	Karnataka	Gadag/LKD Hyderabad					
6	Kabini Reservoir	Kabini/Middle Cauvery/Cauvery	Karnataka	Mysore					
7	Harangi Reservoir	Harangi/Upper Cauvery/Cauvery	Karnataka	Kodagu					
8	Almatti Reservoir	Krishna/Upper Krishna/Krishna	Karnataka	Bagalkot					
9	NMD Weir	Godavari/Upper Godavari/Godavari	Maharashtra	Nasik/Ahmednagar					
10	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
11	Kota Barrage	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch (MP)/Dholpur, Kota, Bundi(Raj)					
12	PD Jurala	Krishna/Upper Krishna/Krishna	Telangana	Mahbubnagar					
13	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