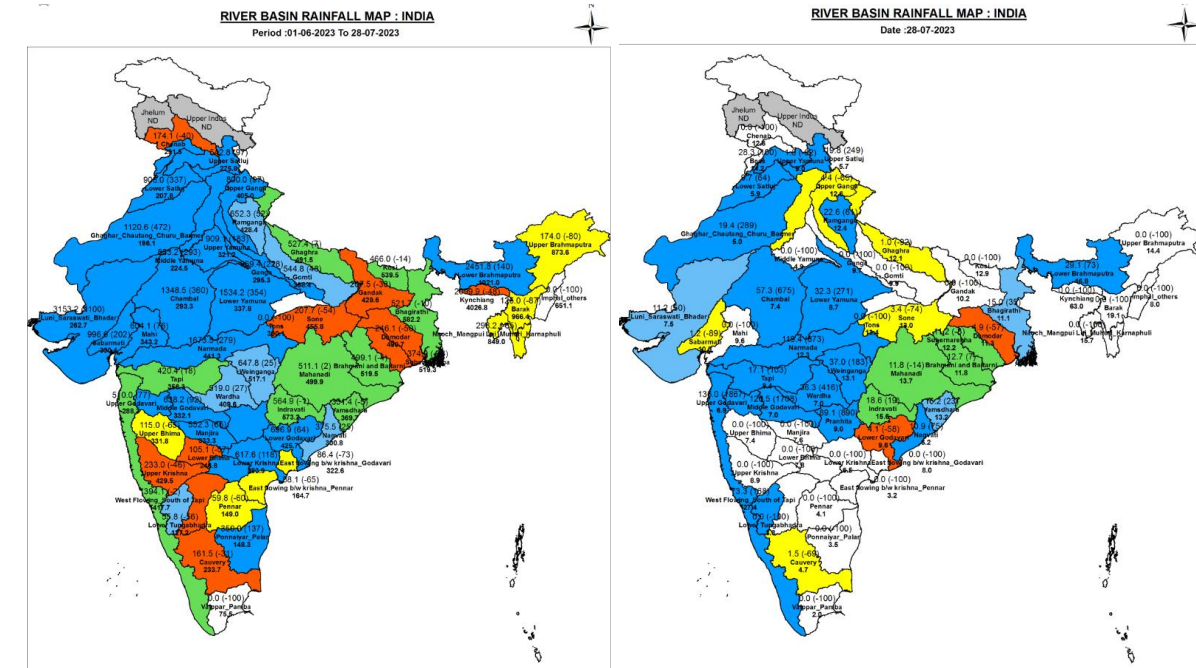




Central Water Commission
Daily Flood Situation Report cum Advisories
28-07-2023

1.0 Rainfall Situation

1.1 District wise departure from normal of cumulative and daily rainfall

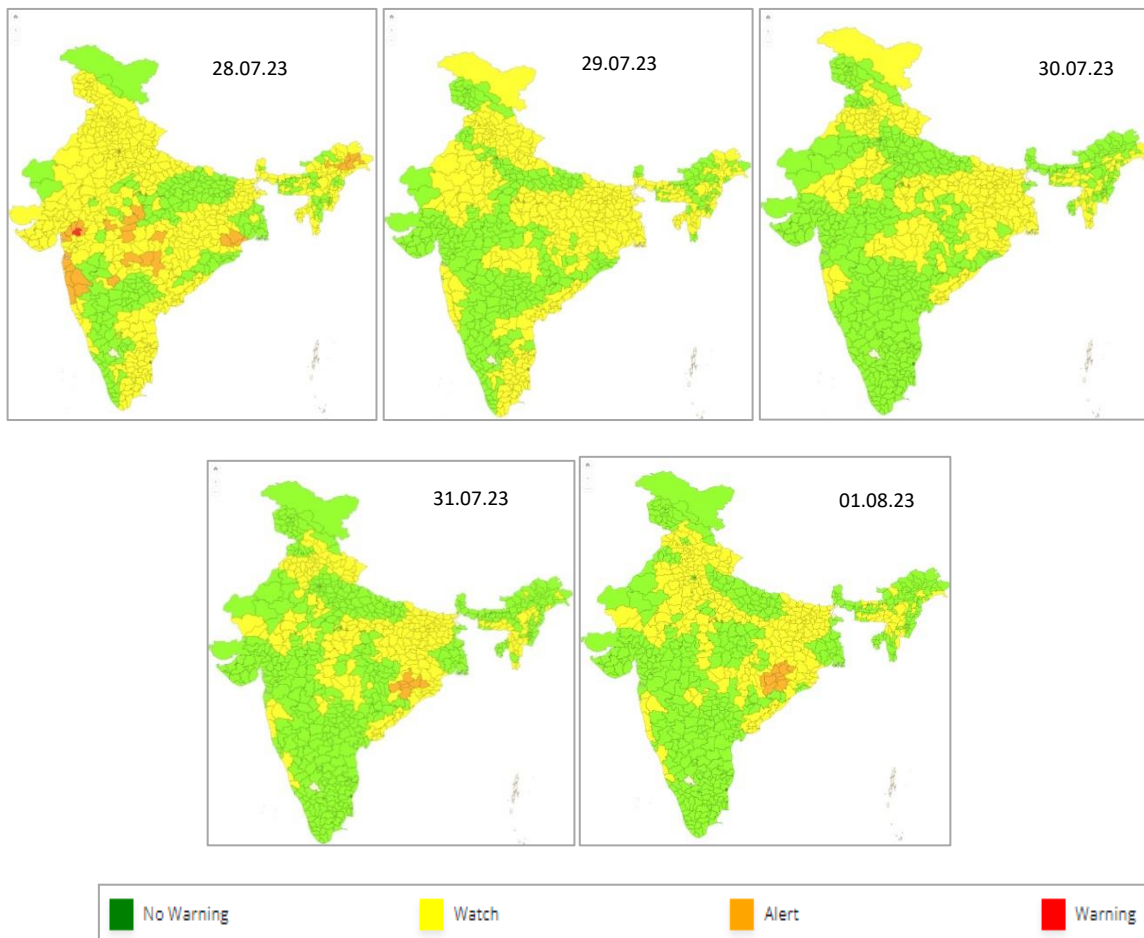


Legend
 Large Excess [60% or more] Excess [20% to 59%] Normal [-19% to 19%] Deficient [-59% to -20%] Large Deficient [-99% to -60%] No Rain [-100%] No Data

NOTES :

- Rainfall figures are based on operation data.
- Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
- Percentage Departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 28th July 2023 (Midday) by IMD



2.0 Flood Situation and Advisories

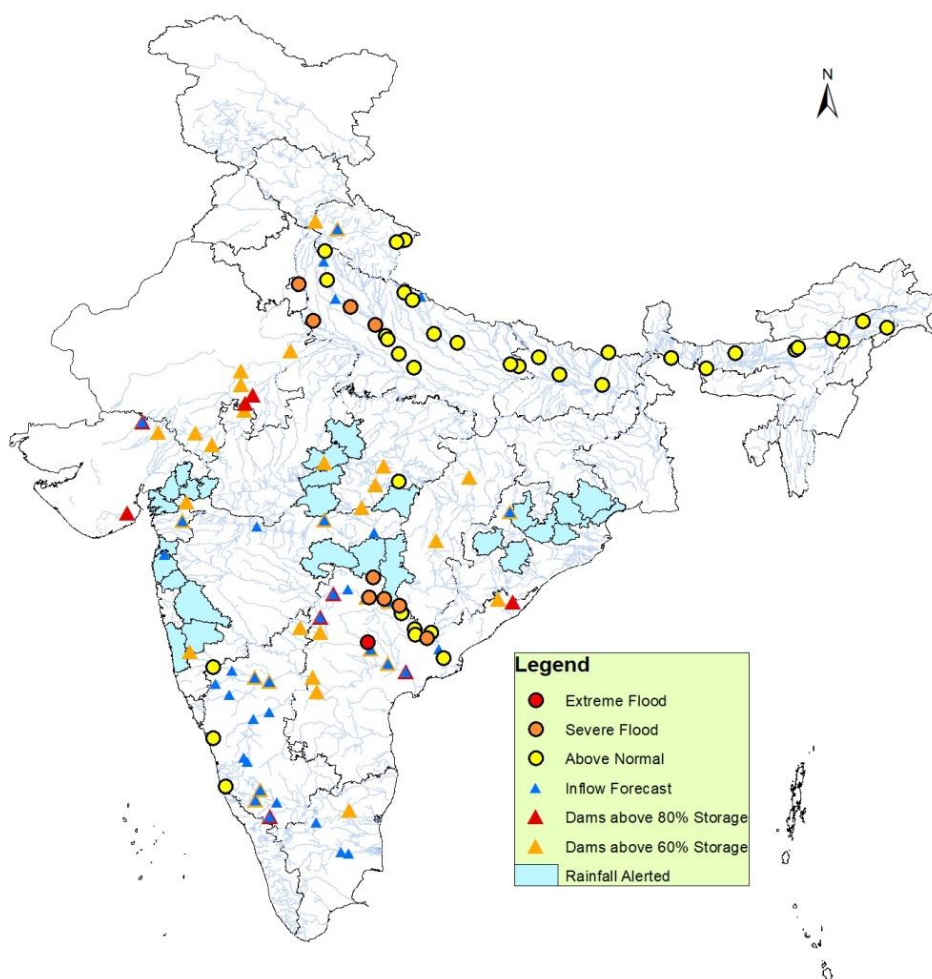
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 28th July 2023, 5 stations (3 in Uttar Pradesh, 2 in Telangana and 1 each in Delhi & Andhra Pradesh) are flowing in Severe Flood Situation, 24 stations (7 each in Assam & Uttar Pradesh, 3 each in Bihar & Telangana, 2 in Andhra Pradesh and 1 each in Maharashtra & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 37 Dams and Barrages (13 in Karnataka, 7 in Telangana, 3 each in Gujarat, Maharashtra, Uttar Pradesh Tamilnadu & Andhra Pradesh and 1 each in, Odisha & Uttarakhand).

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)		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), Delhi(1), Telangana(2), Uttar Pradesh(3)	7
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(7), Bihar(3), Maharashtra(1), Telangana(3), Uttar Pradesh(7), West Bengal(1)	24
Total number of sites above Warning Level (A+B+C)			31
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)		Andhra Pradesh(3), Gujarat(3), Karnataka(13), Maharashtra(3), Odisha(1), Tamil Nadu(3), Telangana(7), Uttar Pradesh(3), Uttarakhand(1)	37

Details are given at link: https://cwc.gov.in/sites/default/files/cfrcwcdfb28.07.2023_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

Maharashtra, Goa

From past few days very heavy to extremely heavy rainfall is continuing in Coastal districts of the state and in **Pune, Satara** districts due to formation and movement of low pressure area in Bay of Bengal one after the other. Storages in Major/Medium dams located in Konkan region and that over Pune district are high hence releases, if required, as per Standard Operating Procedure and Rule Curves should be done after informing the downstream areas in advance. Since, very heavy rains are still expected to continue in **Palghar, Thane, Mumbai, Raigad, Ratnagiri, Pune, Satara** districts, alert for water level rise may be kept in rivers Ambika, Auranga, Damanganaga (**Palghar** dist.), Damanganga, Vaitarna, Ulhas (**Thane** dist.), Patalganga, Amba, Kundalika, Mhasala, Savitri (**Raigad** Dist.), Vashishti, Shastri, Kajvi, Muchkund, Kodavali, Vaghotan (**Ratnagiri** Dist.), Upper Bhima, Upper Krishna and other small rivers of upper Krishna (**Pune, Satara** dist.).

Very heavy rains in Bhandara, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha, Yavatmal districts hence alert for water level rise may be kept in Pranhita, Indravathi, Wainganga (**Gadchiroli** dist.), Bagh, Wainganaga (**Bhandara, Gondia** dist.), Wardha, Penganaga (**Chandrapur, Yavatmal** dist.).

Project Water Storage position in regions of very heavy rainfall is as given below:

District/Region	Project	Storage Percent
Konkan region (Palghar, Raigad, Sindhudurg, Thane dists.)	All major/medium	88.46
Pune region (Solapur, Satara, Sangli, Pune, Kolhapur dists.)	All major/medium	69.91
Yavatmal	Isapur	88.05
Chandrapur	Asolamendha	100
Gadchiroli	Dina	100
Nagpur	Kamthi Khairy	97.65
Nagpur	Khindsi	82.86
Nagpur	Totladoh	85.59

Current flood situation as per CWC network is given below:

CWC Site	River	District	Flood Type	Trend in Water Level
Bamini	Wardha	Chandrapur	Above Normal	Rising
Terwad	Panchganga	Kolhapur	Above Normal	Steady

Karnataka

Since Low Pressure Area over North Odisha and nearby areas have dissipated to upper air cyclonic circulation, intensity of rainfall over coastal Karnataka has decreased. The very heavy rains that continued from past many days over the region has induced large surface flow in Krishna and Cauvery basins. The heavy inflows into all major/medium dams located in Upper Cauvery rivers and Upper Krishna rivers are continuing, such as Koyna dam (Satara dist.), Singatnur Barrage (Gadag dist.), Tungabhadra dam (Ballary dist.), Narayanpur, Almatti, Hipparagi Barrage (Bagalkot dist.), Hidkal (Belgam dist. Ghataprabha river), Malaprabha dam (Belgaum dist.), Upper Tunga (Shimoga dist.), Bhadra (Chikmangalur dist.); similarly in Cauvery basin Krishnarajasagar (Mandya dist.), Harangi (Kodagu dist.), Hemavathi (Hassan dist.), Kabini (Mysore dist.) are getting increased

inflows. Releases may be done as per Standard Operating Procedure and Rule Curves after intimating to all concerned downstream districts as well as to lower riparian States. Current flood situation as per CWC network is given below:

CWC Site	River	District	Flood Type	Trend in Water Level
Santeguli	Aghanashini	Uttara Kannada	Above Normal	Falling
Addoor	Gurpur	Dakshin Kannada	Above Normal	Rising

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 is in severe flood. The water levels at CWC Delhi Railway Bridge site is in falling state and expected to fall to 205.3 m by 03:00 hrs of 29.07.2023.

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

Very heavy rains are expected in NE Delhi, Central Delhi, East Delhi, SE Delhi and S Delhi. Hence keep alert for water logging in low lying areas.

Telangana

Due to dissipation of Low Pressure Area rainfall has decreased over the area but the flood wave due to past extremely heavy rains are currently passing through Krishna and Godavari basins. As per CWC hydrological observation sites severe flood exist in Wardha (Komaram Bheem dist.), Godavari main stem (Adilabad, Bhupalpally, Mulugu dists.). All the cascading dams located on Godavari main stem from Sriram sagar (Nizamabad dist.) to P.V.N.Roa Khantanapally (Mulugu dist.) are getting heavy inflows. In Krishna basin extreme flood situation reported from Musi river (Nalgonda dist.). Heavy runoff continuing is expected to decrease to normal in next 2 to 3 days. Inflow to the Wardha river is also high and Sirpur (Town) in Kumaram Bheem dist of Telangana is likely to experience severe to extreme flood situation.

Actual Inflow / level forecast issued for these can be viewed at <https://fs.india-water.gov.in/>. Current flood situation as per CWC network is given below:

CWC Site	River	District	Flood Type	Trend in Water Level
Anantharam	Musi	Nalgonda	Extreme	Falling
Perur	Godavari	Mulugu	Severe	Rising
Sirpur Town	Wardha	Kumaram Bheem	Severe	Rising
Kaleswaram	Godavari	Bhupalpally	Severe	Rising
Chinturu	Sabri	AlluriSitharama	Above Normal	Rising
Eturunagram	Godavari	Mulugu	Above Normal	Rising
Bhadrachalam	Godavari	Bhadradi	Above Normal	Rising
Dummagudem	Godavari	Bhadradi	Above Normal	Rising

Gujarat

Very heavy rainfall is river Damanganga (**Valsad** dist.), Lower Narmada, Vishwamithry (Bharuch, Vadodhara, Chotta Udepur dists.), Mahi, Panam, Anas (**Panchmahal, Dahod** dists.). Alert for water level rise may be kept in above said rivers. Heavy inflows are continuing in Ukai (Surat dist.) and Madhuban dam (Valsad dist.). Releases from Madhuban dam has resulted in above normal flood situation in Dadra and Nagar Haveli.

Andhra Pradesh

Due to downward propagation of flood waves created in Upper Godavari and Upper Krishna region, alert in water level rise may be kept in Krishna river in **Guntur, Kurnool and Krishna** districts and in Godavari river in **East Godavari** district. Projects Srisailem, Dr. KLRs Pulinchintla, Prakasam barrage are getting increased inflows and expected to continue as there is heavy runoff from upper catchment. In coming days, severe flood situation is expected in Godavari Delta region. Current flood situation as per CWC network is given below:

CWC Site	River	District	Flood Type	Trend in Water Level
Kunnavaram	Godavari	Allurisitharama	Severe	Steady
Dowlaiswaram	Godavari	East Godavari	Above Normal	Rising

Uttar Pradesh

Current flood situation as per CWC network is given below (in above normal only rising case is included):

CWC Site	River	District	Flood Type	Trend in Water Level
Kachhla Bridge	Ganga	Badaun	Severe	Steady
Pragyaghat	Yamuna	Mathura	Severe	Falling
Fatehgarh	Ganga	Farrukhabad	Severe	Steady
Turtipar	Ganga	Ballia	Above Normal	Rising

Assam

Current flood situation as per CWC network is given below (in above normal only rising case is included):

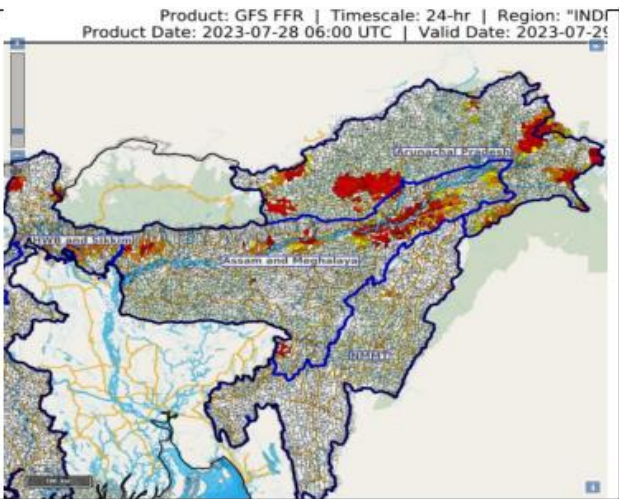
CWC Site	River	District	Flood Type	Trend in Water Level
Beki Road	Beki	Barpeta	Above Normal	Rising
Margherita	Buridehing	Tinsukia	Above Normal	Rising
Dibrugarh	Brahmaputra	Dibrugarh	Above Normal	Rising
Tezpur	Brahmaputra	Sonitpur	Above Normal	Rising

2.3 Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 29-07-2023 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **Arunachal Pradesh, Assam & Meghalaya** and **SHWB & Sikkim** Met Sub-divisions during next 24 hours.

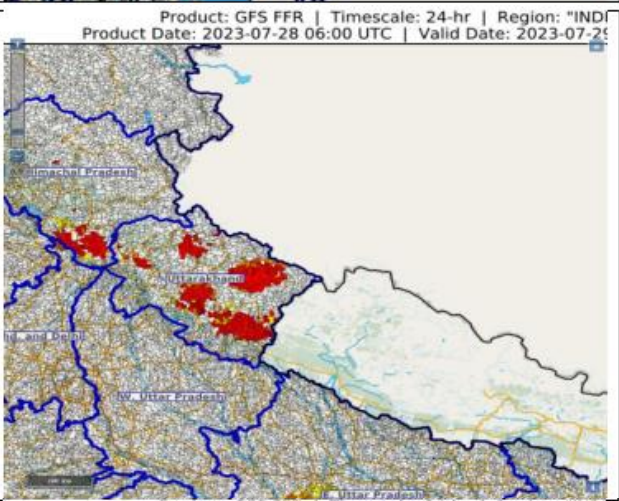
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 29-07-2023 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **Himachal Pradesh** and **Uttarakhand** Met Sub-divisions during next 24 hours.

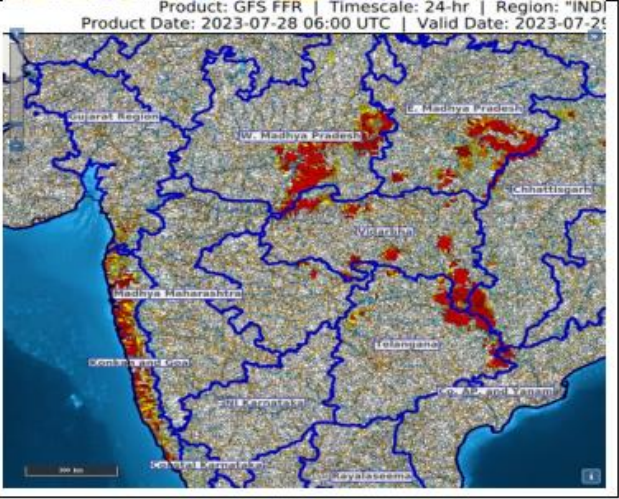
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 29-07-2023 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **Telangana, Chhattisgarh, East Madhya Pradesh, Vidarbha** and northern parts of **Konkan & Goa** adjoining southern **Gujarat Region** 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.



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	29-07-2023	30-07-2023	31-07-2023	01-08-2023	02-08-2023	03-08-2023	04-08-2023
1	ANKINGHAT	GANGA	KANPUR NAGAR	Uttar Pradesh	AN	AN	S	S	S	S	S
2	DELHI RAILWAY BRIDGE	YAMUNA	NORTH	NCT of Delhi	S	S	S	S	S	S	S
3	FATEHGARH	GANGA	FARRUKHABAD	Uttar Pradesh	S	S	S	S	S	S	S
4	KACHHLABRIDGE	GANGA	BUDAUN	Uttar Pradesh	S	S	S	S	S	S	S
5	KANNAUJ	GANGA	KANNAUJ	Uttar Pradesh	AN	AN	AN	S	S	S	S
6	MATHURA (PRAYAG GHAT)	YAMUNA	MATHURA	Uttar Pradesh	S	S	S	S	S	S	S
7	AYODHYA	GHAGRA	AYODHYA	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
8	BALTARA	KOSI	KHAGARIA	Bihar	AN	AN	AN	AN	AN	AN	AN
9	BENIBAD	BAGMATI	MUZAFFARPUR	Bihar	AN	AN	AN	AN	AN	AN	S
10	DARAULI	GHAGRA	SIWAN	Bihar	AN	AN	AN	AN	AN	AN	AN
11	ELGINBRIDGE	GHAGRA	BARABANKI	Uttar Pradesh	AN	AN	AN	AN	AN	S	S
12	KANPUR	GANGA	KANPUR NAGAR	Uttar Pradesh	AN	AN	AN	AN	AN	AN	AN
13	TURTIPAR	GHAGRA	BALLIA	Uttar Pradesh	AN	AN	AN	AN	AN	AN	S
14	DUMARIAGHAT	GANDAK	GOPALGANJ	Bihar	AN	AN	AN	AN	AN	AN	AN
15	BEKI ROAD BRIDGE	BEKI	BARPETA	Assam	AN	AN	AN	AN	AN	AN	AN
16	DIBRUGARH	BRAHMAPUTRA	DIBRUGARH	Assam	AN	AN	AN	AN	AN	AN	AN
17	NT ROAD CROSSING JIABHARALI	JIABHARALI	SONITPUR	Assam	AN	AN	AN	AN	AN	AN	AN
18	NEAMATIGHAT	BRAHMAPUTRA	JORHAT	Assam	AN	AN	AN	AN	AN	AN	AN
19	TEZPUR	BRAHMAPUTRA	SONITPUR	Assam	AN	AN	AN	AN	AN	AN	AN
20	DHUBRI	BRAHMAPUTRA	DHUBRI	Assam	AN	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).

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 28th July 2023

Storage above 85%	
Storage above 60%	

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				
					Day 1	Day 2	Day 3	Day 4	Day 5
1	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
2	SripadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancheria/JaishankarBhupalpally					
3	Singur Dam	Manjira/Manjira/Godavari	Tel	Bidar(Kar)/Sangareddy(Telangana)					
4	Laxmi Barrage	Godavari/LowerGodavari/Godavari Basin	Tel	JaishankarBhupalpally/Peddapalli/Mulugu					
5	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/Jogalamba Gadwal(Telangana)					
6	Sriramasagar	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah), Nirmal(Telangana)/Metpally, Mancheria(Telangana)					
7	Nizamsagar Dam	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
8	Thottapalli Reservoir	Vaigai/Upper Vaigai/East flowing rivers south of Cauvery Basin	AP	Vizianagaram					
9	Gotta Barrage	Vamsadhara/Vamsadhara/EFR (Mahanadi to Pennar)	AP	Srikakulam					
10	Prakasam Barrage	Krishna/Krishna	AP	Krishna /Guntur					
11	Pulichintala Dam	Krishna/Lower Krishna/Krishna	AP	Nalgonda(Tel)/Guntoor, Krishna(AP)					
12	Sunkesula	Tungabhadra/Krishna	AP	Kurnool/Raichur(Kar)/JogalambaGadwal(Telangana)					
13	Karanja Dam	Karanja/Manjira/Godavari	kar	Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)Bidar					
14	kabini	Kabini/Kabini/ Cauvery	Kar	Wayanad (Ker)/Mysuru(Kar)					
15	Harangi Dam	Harangi/Harangi/Cauvery	Kar	Kodagu/Mysuru,Hassan					

16	Hemavathy Dam	Hemavathy/Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
17	Almatti Dam	Krishna/Upper Krishna/Krishna	Kar	"Kolhapur (Maharashtra)/ Bagalkote (Karnataka)"					
18	Narayanpur Dam	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/Raichur,Yaadgir					
19	Sathnur	Ponnaiar/Middle South Pennar/East flowing rivers between Pennar and Cauvery Basin	TN	Vizianagaram					
20	Dantiwada Dam	Banas/Western Flowing River (Kutch & Saurashtra)	Guj	Banaskantha					
21	Dharoi Dam	Sabarmati/Sabarmati Basin	Guj	Mehsana					
22	Shetrunji Dam	Shetrunji/WFR (Kutch & Saurashtra)	Guj	Bhavnagar					
23	Sardar Sarovar Dam	Narmada/Narmada b/w Hosangabaad to SSP/Narmada	Guj	Nrmada(Guj), Nadurbar(MP)/Narmada, Vadodra, Bharuch (Guj)					
24	Ukai Dam	Tapi/Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
25	Veer Dam	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
26	Upper Wardha Project	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
27	Totladoh Project	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
28	Warana Dam	Warna river/Upper Krishna/Krishna	Mah	Sangli,Kolhapur					
29	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur, Kota, Bundi(Raj)					
30	Kota Barrage	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur, Kota, Bundi(Raj)					
31	Bisalpur Dam	Banas/Upper Chambal/Ganga	Raj	Bhilwara/Tonk					
32	Gudha Dam	Mejchambal/Upper Chambal/Ganga	Raj	Bhilwara/Bundi					
33	Som Kamla Amba Dam	Som/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
34	Mahi Bajajsagar Dam	Mahi/Mahi B/Mahi	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					

35	Panchana Dam	Gambhiri/Upper Chambal/Ganga	Raj	Karauli,Bharatpur					
36	Bargi Dam	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
37	Pench Reservoir	Pench/ Godavari	MP	Chhindwara/ Seoni					
38	Barna Dam	Barna/Middle Narmada/Narmada	MP	Raisen					
39	Sanjay Sarovar Project(U wen Pro)	Wainganga/Wainganga/Godavari	MP	Seoni/Balaghat					
40	Gandhisagar Dam	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
41	Tehri Dam	Bhagirathi/Ganga/Ganga	UK	Uttarkashi/Tehri Garhwal/Pauri Garhwal					
42	Ichari Dam	Tons/Yamuna/Ganga	UK	Dehradun/Nahan(HP)					
43	Ravishankar Dam	Mahanadi/Upper Mahanadi/Mahanadi	Chhatis garh	Kanker/Dhamtari,Raipur					
44	Bango Dam	Hasdeo/Upper Mahanadi/Mahanadi	Chhatis garh	Koriya,Korba/Janjgir Champa					
45	Hirakud Dam	Mahanadi River/Upper Mahanadi/ Mahanadi	Odisha	Janjgir Champa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					

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

