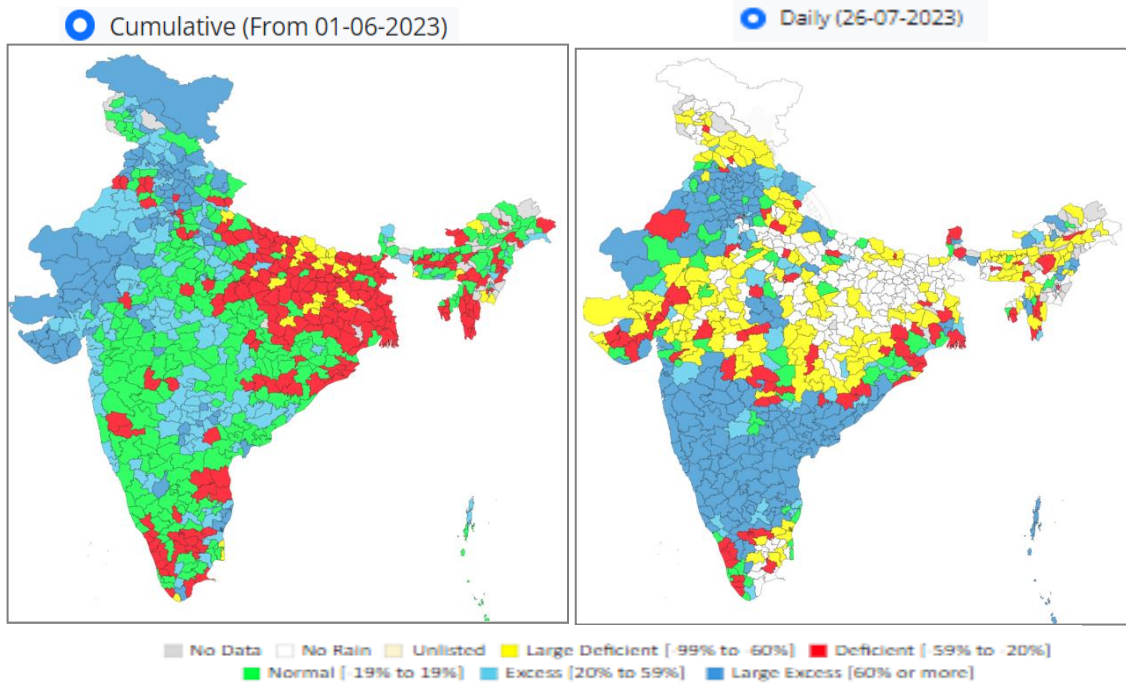




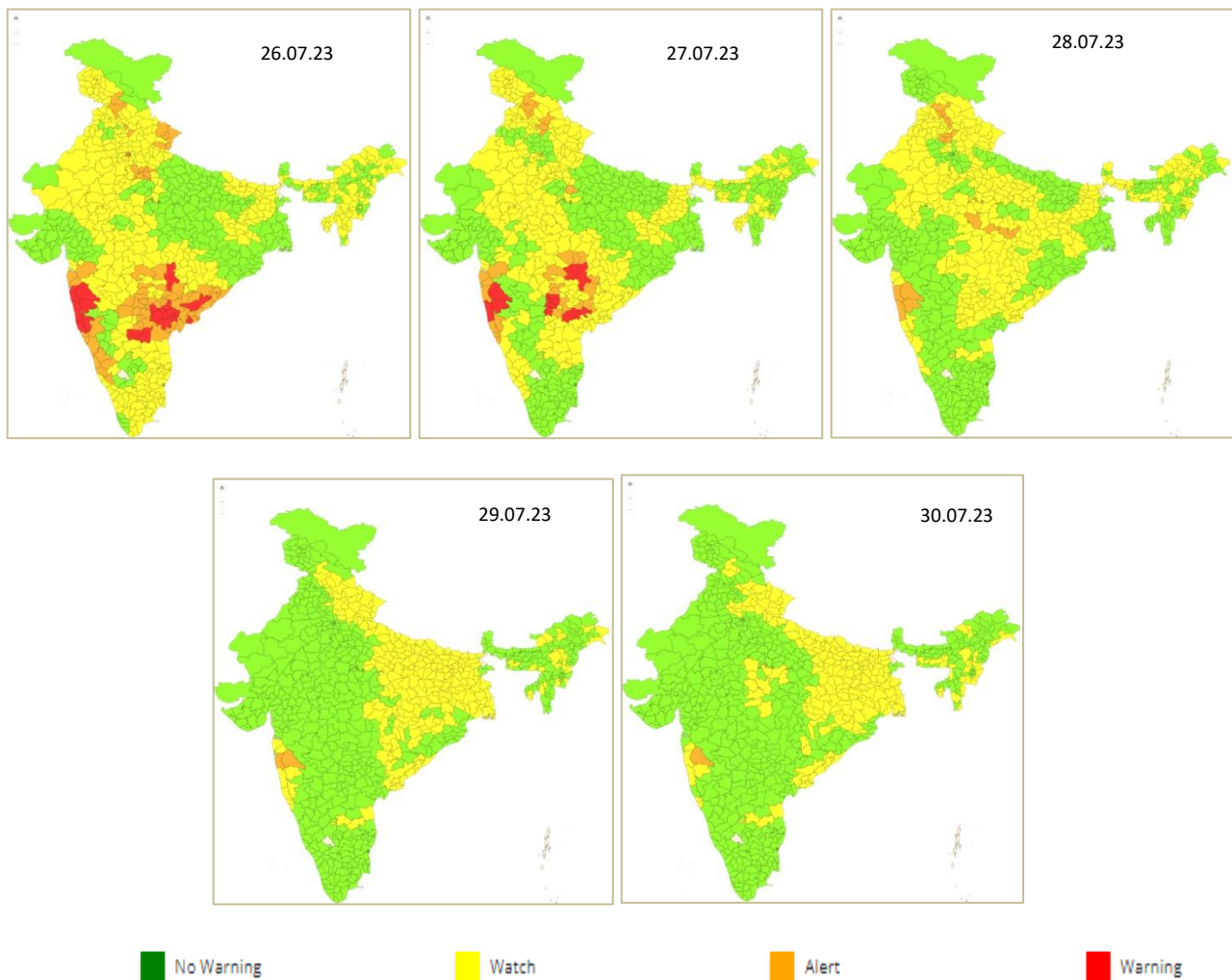
Central Water Commission
Daily Flood Situation Report cum Advisories
26-07-2023

1.0 Rainfall Situation

1.1 District wise departure from normal of cumulative and daily rainfall



1.2 Rainfall forecast for next 5 days issued on 26th July 2023 (Midday) by IMD



2.0 Flood Situation and Advisories

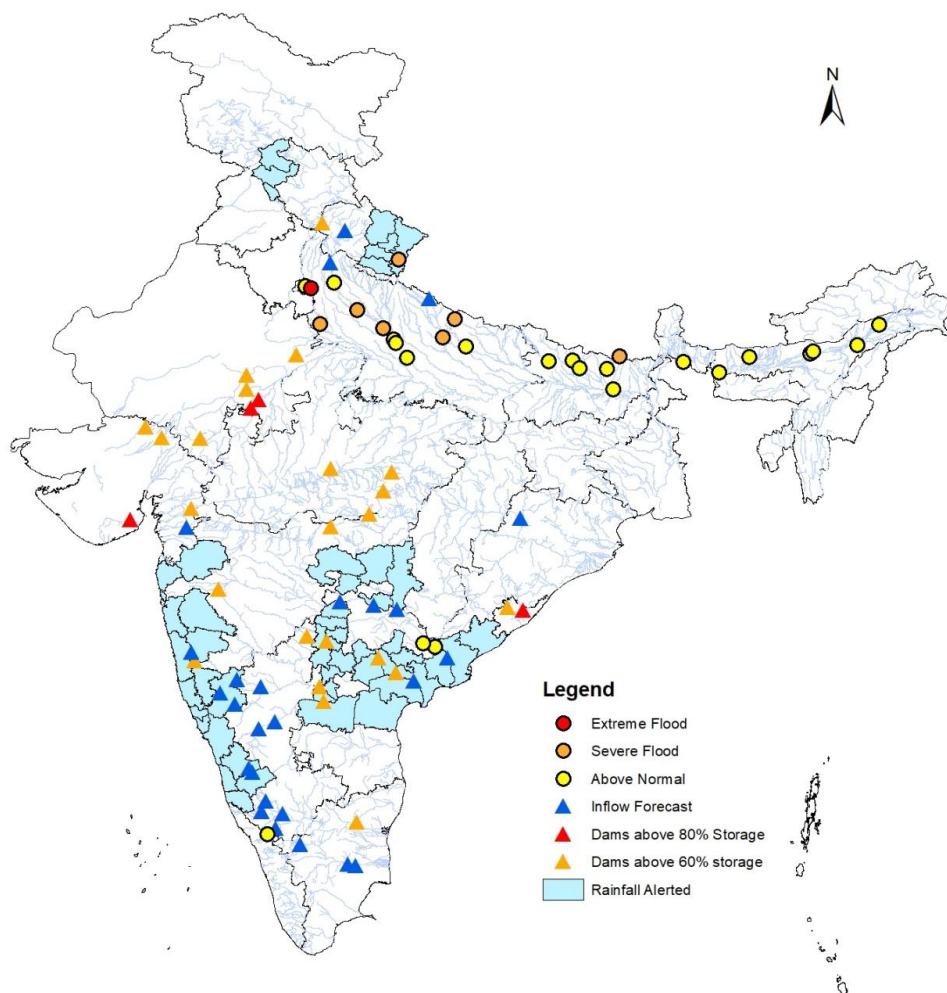
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 26th July 2023, 4 stations in Uttar Pradesh are flowing in Severe Flood Situation, 21 stations (6 in Assam, 5 each in Bihar & Uttar Pradesh and 1 each in Andhra Pradesh, Delhi, Kerala, Telangana & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 28 Dams and Barrages (12 in Karnataka, 4 in Telangana, 3 each in Tamilnadu & Uttar Pradesh, 2 in Andhra Pradesh and 1 each in Gujarat, 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)) | Uttar Pradesh(4) | 4 |
| 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(6), Bihar(5), Delhi(1), Kerala(1), Telangana(1), Uttar Pradesh(5), West Bengal(1) | 21 |
| Total number of sites above Warning Level (A+B+C) | | | 25 |
| 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(2), Gujarat(1), Karnataka(12), Maharashtra(1), Odisha(1), Tamil Nadu(3), Telangana(4), Uttar Pradesh(3), Uttarakhand(1) | 28 |

Details are given at link: https://cwc.gov.in/sites/default/files/cfrcwcdfb26.07.2023_6.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. This has imposed heavy runoff in Tapi basin and hence increased inflow in Hathnur dam (**Jalgaon** district). 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, Kolhapur** 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.), Gad, Devgad, Tilari, Terekhol (**Sindhudurg** dist.), Upper Bhima, Upper Krishna and other small rivers of upper Krishna (**Pune, Satara, Kolhapur** dists.), Pranhita, Indravathi (**Gadchiroli** dist.), Bagh, Wainganaga (**Bhandara, Gondia** dists.), Pench, wainganaga (**Nagpur** dist.), Wardha, penganagan (**Chandrapur, Yavatamal** dists.). Project Water Storage position in regions of very heavy rainfall is as given below:

| District/Region | Project | Storage Percent |
|-----------------|------------------|-----------------|
| Konkan region | All major/medium | 83.36 |
| Pune region | All major/medium | 68.13 |
| Yavatamal | Isapur | 88.05 |
| Chandrapur | Asolamendha | 100 |
| Gadchiroli | Dina | 100 |
| Nagpur | Kamthi Khairy | 90.78 |
| Nagpur | Khindsi | 82.35 |
| Nagpur | Totladoh | 85.66 |

Current flood situation as per CWC network is given below:

| CWC Site | River | District | Flood Type | Trend in Water Level |
|--------------|------------|------------|--------------|----------------------|
| Belne Bridge | Gad | Sindhudurg | Above Normal | Rising |
| Terwad | Panchganga | Kolhapur | Above Normal | Steady |

Karnataka

Very heavy rainfall is expected to continue in **coastal districts of Karnataka** and in districts such as **Belgaum, Shimoga, Chikmangalur, Kodagu**. Due to incessant rains, many west flowing rivers such as Aghanashini (Uttara Kannada dist.), Swarna (Udupi), Gurupur, Netravathi (Dakshin Kannada) are in above normal flood situation. Rivers of Upper Cauvery, Krishna and Tunga rivers are also in above normal flood situations in districts Kodagu, Mysore, Shimoga districts. Major/medium dams located in Upper Cauvery rivers and Upper Krishna, Tunga rivers are receiving large inflows such as Harangi (Cauvery, Kodagu dist.), Kabini (Cauvery, Mysore), Bhadra (Krishna, Chikmangalur), Upper Tunga (Tunga, Shimoga), Hidkal (Ghataprabha, Belgaum) are some among them. 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. Since the heavy rains are continuing in above said districts all precautions may be taken for flood like situations in west flowing rivers in coastal districts as well as in Upper Cauvery, Upper Krishna, Tunga rivers.

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 | Rising |
| Addoor | Gurpur | Dakshin Kannada | Above Normal | Rising |
| Mukgodlu | Harangi | Kodagu | Above Normal | Rising |
| Yennehole | Swarna | Udupi | Above Normal | Falling |
| Bantwal | Netravathi | Dakshin Kannada | Above Normal | Falling |
| Napoklu | Cauvery | Kodagu | 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 rising state and expected to rise to 205.73 m by 22:00hrs of 26.07.2023.

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

Telangana

Due to formation of Low Pressure Area its intensification and its movement to land, very heavy rainfall is expected **most of the districts of Telangana**. Alert for water level rise may be kept in rivers Krishna, Godavari and tributaries of above said rivers over the region. Downstream projects located in lower Godavari such as Sripada Yallampally (Karimnagar), Laxmi Barrage (Bhupalpally), PVN Roa Kanthampally (Eluru) are receiving increased inflow are it is expected to continue for next two days. Current flood situation as per CWC network is given below:

| CWC Site | River | District | Flood Type | Trend in Water Level |
|--------------|----------|----------|--------------|----------------------|
| Bhadrachalam | Godavari | Bhadradi | Above Normal | Rising |
| Perur | Godavari | Mulugu | Above Normal | Rising |

Andhra Pradesh

Due to formation of Low Pressure Area its intensification and its movement to land, very heavy rainfall is expected in **Srikakulam, Parvathipurammanyam, Vizianagaram, Vizakapatnam, Anakapalli, Kakinada, Alluri Sitharama Raju, Eluru, Krishna, Bapatla, E.Godavari, Konaseema, W.Godavari, Prakasam, Nandhyal, Kurnool** districts. Alert for water level rise may be kept in rivers Krishna, Godavari and tributaries of above said rivers over the region and in East flowing rivers right from Vamsadhara, Nagavalli till those near to Yerrakalva. Current flood situation as per CWC network is given below:

| CWC Site | River | District | Flood Type | Trend in Water Level |
|------------|----------|------------------|--------------|----------------------|
| Kunnawaram | Godavari | Alluri sitharama | Above Normal | Rising |

Uttarakhand and Himachal Pradesh

Due to advent of another western depression increased rainfall is expected in the Catchment of Upper Ganga, Sarju, Beas, Satluj basins in next two days. Current flood situation as per CWC network is given below:

| CWC Site | River | District | Flood Type | Trend in Water Level |
|----------------------|-------------|---------------|--------------|----------------------|
| Chamiyala | Sarju | Tehri Garhwal | Extreme | Falling |
| Bangapani (Munsyari) | Gauri Ganga | Pithoragarh | Above Normal | Rising |

| | | | | |
|----------|---------------|-------------|--------------|---------|
| Kanjyoti | Dhaulti Ganga | Pithoragarh | Above Normal | Steady |
| Raysi | Solani | Haridwar | Above Normal | Steady |
| Ghat | Sarju | Pithoragarh | Above Normal | Falling |

Kerala

Current flood situation as per CWC network is given below:

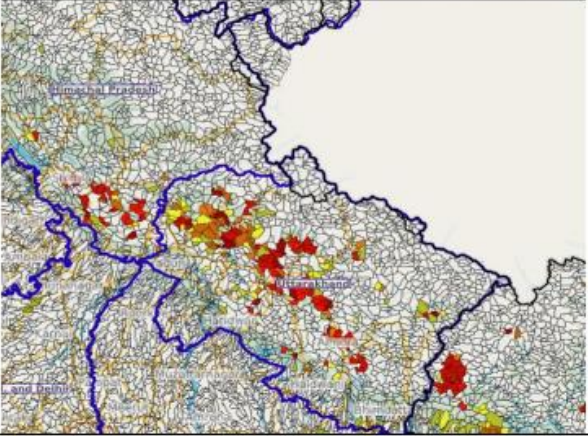
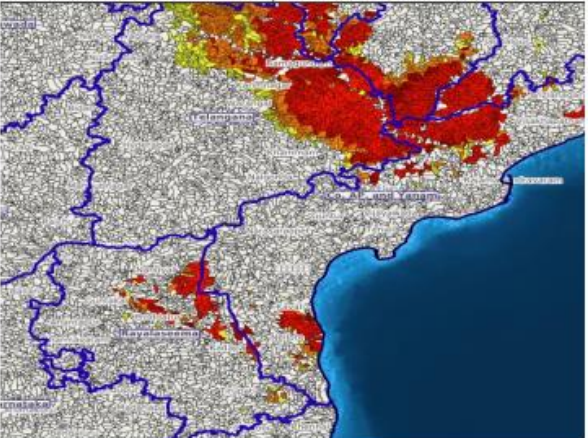
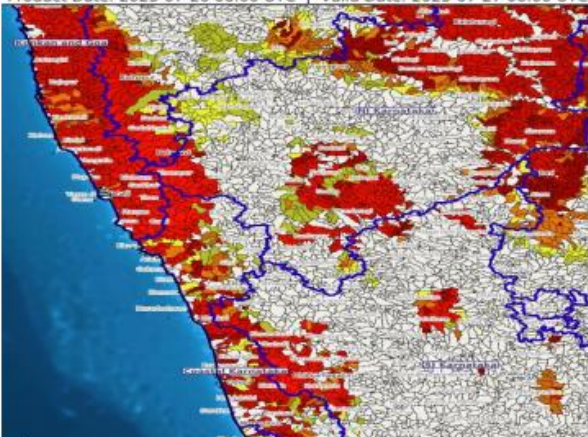
| CWC Site | River | District | Flood Type | Trend in Water Level |
|------------|--------|----------|--------------|----------------------|
| Muthankera | Kabini | Wayanad | Above Normal | Steady |

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 |
|----------------|--------|-------------|--------------|----------------------|
| Noida | Hindon | G.B. Nagar | Extreme | Falling |
| Elgin Bridge | Ghagra | Barabanki | Severe | Rising |
| Kachhla Bridge | Ganga | Badaun | Severe | Rising |
| Pragyaghat | Yamuna | Mathura | Severe | Steady |
| Fatehgarh | Ganga | Farrukhabad | Severe | Steady |
| Ayodhya | Ghagra | Ayodhya | Above Normal | Rising |
| Garhmukteshwar | Ganga | Hapur | Above Normal | Rising |

2.3 Flash Flood Guidance

| | |
|---|--|
| <p><u>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 27-07-2023 :</u></p> <p>Moderate flash flood risk likely over few watersheds & neighbourhoods of Himachal Pradesh and Uttarakhand Met Sub-divisions during next 24 hours.</p> <p>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.</p> | <p>Product: NCUM FFR Timescale: 24-hr Region: "REGIONAL" Product Date: 2023-07-26 06:00 UTC Valid Date: 2023-07-27 06:00 UTC</p>  |
| <p><u>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 27-07-2023 :</u></p> <p>Moderate flash flood risk likely over few watersheds & neighbourhoods of North Coastal AP & Yanam adjoining Rayalaseema, North Telangana and South Chhattisgarh Met Sub-divisions during next 24 hours.</p> <p>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.</p> | <p>Product: NCUM FFR Timescale: 24-hr Region: "REGIONAL" Product Date: 2023-07-26 06:00 UTC Valid Date: 2023-07-27 06:00 UTC</p>  |
| <p><u>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 27-07-2023 :</u></p> <p>Moderate flash flood risk likely over few watersheds & neighbourhoods of Coastal Karnataka, NI Karnataka, SI Karnataka and Konkan & Goa Met Sub-divisions during next 24 hours.</p> <p>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.</p> | <p>Product: GFS FFR Timescale: 24-hr Region: "REGIONAL" Product Date: 2023-07-26 06:00 UTC Valid Date: 2023-07-27 06:00 UTC</p>  |

3.0 Advisory Flood Forecast for next 5-days
The flood situational FloodForecastingStationslikelytobeabovewarninglevelfornext5days

| S.No. | Station | River | District | State | 27-07-2023 | 28-07-2023 | 29-07-2023 | 30-07-2023 | 31-07-2023 | 01-08-2023 | 02-08-2023 |
|-------|------------------------------|------------------|--------------|---------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | KACHHLABRIDGE | GANGA | BUDAUN | UTTAR PRADESH | S | E | E | E | E | E | E |
| 2 | ANKINGHAT | GANGA | KANPUR NAGAR | UTTAR PRADESH | AN | AN | AN | S | S | S | S |
| 3 | DELHI RAILWAY BRIDGE | YAMUNA | NORTH | NCT OF DELHI | S | S | S | S | S | S | S |
| 4 | ELGINBRIDGE | GHAGRA | BARABANKI | UTTAR PRADESH | AN | S | S | S | S | S | S |
| 5 | FATEHGARH | GANGA | FARRUKHABAD | UTTAR PRADESH | S | S | S | S | S | E | E |
| 6 | KANNAUJ | GANGA | KANNAUJ | UTTAR PRADESH | AN | AN | AN | AN | S | S | S |
| 7 | MATHURA (PRAYAG GHAT) | YAMUNA | MATHURA | UTTAR PRADESH | S | S | S | S | S | S | S |
| 8 | RUNISAIDPUR | BAGMATI | MUZAFFARPUR | BIHAR | AN | AN | AN | AN | S | S | S |
| 9 | AYODHYA | GHAGRA | AYODHYA | UTTAR PRADESH | AN | AN | AN | AN | AN | AN | AN |
| 10 | BALTARA | KOSI | KHAGARIA | BIHAR | AN | AN | AN | AN | AN | AN | S |
| 11 | BASUA | KOSI | SUPAUL | BIHAR | AN | AN | AN | AN | AN | AN | AN |
| 12 | BENIBAD | BAGMATI | MUZAFFARPUR | BIHAR | AN | AN | AN | AN | AN | S | S |
| 13 | GARH Mukteshwar | GANGA | HAPUR | UTTAR PRADESH | AN | AN | AN | AN | AN | AN | AN |
| 14 | KANPUR | GANGA | KANPUR NAGAR | UTTAR PRADESH | AN | AN | AN | AN | AN | AN | AN |
| 15 | DUMARIAGHAT | GANDAK | GOPALGANJ | BIHAR | AN | AN | AN | AN | AN | AN | AN |
| 16 | DHENG BRIDGE | BAGMATI | SITAMARHI | BIHAR | AN | AN | AN | AN | AN | S | S |
| 17 | BEKI ROAD BRIDGE | BEKI | BARPETA | ASSAM | AN | AN | AN | AN | AN | AN | AN |
| 18 | DIBRUGARH | BRAHMAPUTRA | DIBRUGARH | ASSAM | AN | AN | AN | AN | AN | AN | AN |
| 19 | NT ROAD CROSSING JIA-Bharali | JIABharali | SONITPUR | ASSAM | AN | AN | AN | AN | AN | AN | AN |
| 20 | NEAMATIGHAT | BRAHMAPUTRA | JORHAT | ASSAM | AN | AN | AN | AN | AN | AN | AN |
| 21 | NUMALIGARH | DHANSIRI (SOUTH) | GOLAGHAT | ASSAM | AN | AN | AN | AN | AN | AN | S |
| 22 | TEZPUR | BRAHMAPUTRA | SONITPUR | ASSAM | AN | AN | AN | AN | AN | AN | AN |
| 23 | 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 26th July 2023

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

| | |
|-------------------|--|
| Storage above 85% | |
| Storage above 60% | |

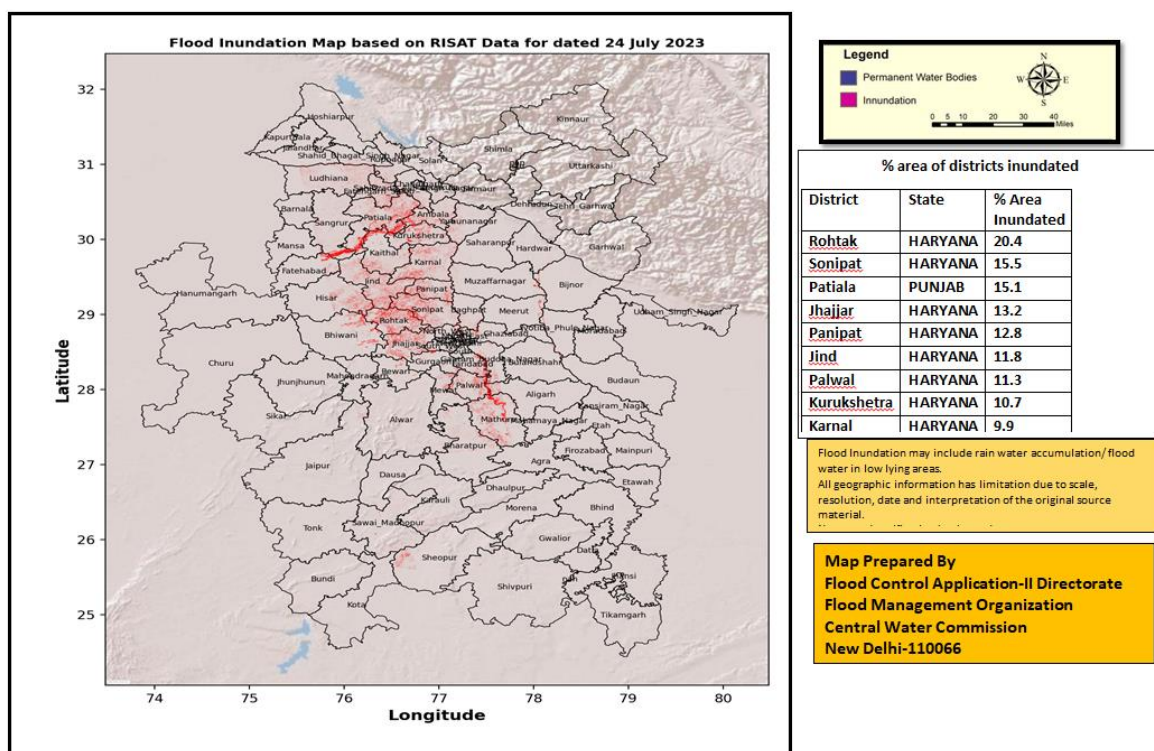
| Sl. No. | Reservoir/Dams | River/Sub-Basin /Basin | State | US/ DS District | Rainfall situation | | | | |
|---------|-----------------------|---|-------|--|--------------------|-------|-------|-------|-------|
| | | | | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
| 1 | Musi | Musi/Lower Krishna/Krishna | Tel | Nalgonda | | | | | |
| 2 | SripadaYellampally | Godavari/Middle Godavari/Godavari | Tel | Mancherla/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, Mancherla(Telangana) | | | | | |
| 7 | Thottapalli Reservoir | Vaigai/Upper Vaigai/East flowing rivers south of Cauvery Basin | AP | Vizianagaram | | | | | |
| 8 | Gotta Barrage | Vamsadhara/Vamsadhara/EFR (Mahanadi to Pennar) | AP | Srikakulam | | | | | |
| 9 | Prakasam Barrage | Krishna/Krishna | AP | Krishna /Guntur | | | | | |
| 10 | Pulichintala Dam | Krishna/Lower Krishna/Krishna | AP | Nalgonda(Tel)/Guntoor, Krishna(AP) | | | | | |
| 11 | Sunkesula | Tungabhadra/Krishna | AP | Kurnool/Raichur(Kar)/JogalambaGadwal(Telangana) | | | | | |
| 12 | Karanja Dam | Karanja/Manjira/Godavari | kar | Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)Bidar | | | | | |
| 13 | kabini | Kabini/Kabini/ Cauvery | Kar | Wayanad (Ker)/Mysuru(Kar) | | | | | |
| 14 | Harangi Dam | Harangi/Harangi/Cauvery | Kar | Kodagu/Mysuru,Hassan | | | | | |
| 15 | Sathnur | Ponnaiar/Middle South Pennar/East flowing rivers between Pennar and Cauvery Basin | TN | Vizianagaram | | | | | |
| 16 | Dantiwada Dam | Banas/Western Flowing River (Kutch & Saurashtra) | Guj | Banaskantha | | | | | |
| 17 | Dharoi Dam | Sabarmati/Sabarmati Basin | Guj | Mehsana | | | | | |
| 18 | Shetrunji Dam | Shetrunji/WFR (Kutch & Saurashtra) | Guj | Bhavnagar | | | | | |
| 19 | Sardar Sarovar Dam | Narmada/Narmada b/w Hosangabaad to SSP/Narmada | Guj | Nrmada(Guj), Nadurbar(MP)/Narmada, Vadodra, Bharuch (Guj) | | | | | |
| 20 | Mula Dam | Mula/Upper Godavari/Godavari | Mah | Ahmadnagar | | | | | |
| 21 | Upper Wardha Project | Wardha/Wardha/Godavari | Mah | Wardha, Amravati | | | | | |
| 22 | Totladoh Project | Pench/Wainganga/Godavari | Mah | Chindwara(MP)/Nagpur(Mah) | | | | | |
| 23 | Warana Dam | Warna river/Upper Krishna/Krishna | Mah | Sangli,Kolhapur | | | | | |
| 24 | Rana Pratap Sagar | Chambal/Upper Chambal/Ganga | Raj | Neemuch(MP)/Dholpur, Kota, Bundi(Raj) | | | | | |

| | | | | | | | | | |
|----|-----------------------------------|--------------------------------|-----|--|--|--|--|--|--|
| 25 | Kota Barrage | Chambal/Upper Chambal/Ganga | Raj | Neemuch(MP)/Dholpur, Kota, Bundi(Raj) | | | | | |
| 26 | Bisalpur Dam | Banas/Upper Chambal/Ganga | Raj | Bhilwara/Tonk | | | | | |
| 27 | Gudha Dam | Mejchambal/Upper Chambal/Ganga | Raj | Bhilwara/Bundi | | | | | |
| 28 | Som Kamla Amba Dam | Som/Mahi B/Mahi | Raj | Udaipur/Dungarpur | | | | | |
| 29 | Panchana Dam | Gambhiri/Upper Chambal/Ganga | Raj | Karauli/Sawaimadhopur/Bharatpur | | | | | |
| 30 | Bargi Dam | Narmada/Upper Narmada/Narmada | MP | Mandla, Seoni/Jabalpur, Narsimhapur | | | | | |
| 31 | Pench Reservoir | Pench/ Godavari | MP | Chhindwara/ Seoni | | | | | |
| 32 | Barna Dam | Barna/Middle Narmada/Narmada | MP | Raisen | | | | | |
| 33 | Sanjay Sarovar Project(U wen Pro) | Wainganga/Wainganga/Godavari | MP | Seoni/Balaghat | | | | | |
| 34 | Tehri Dam | Bhagirathi/Ganga/Ganga | UK | Uttarkashi/Tehri Garhwal/Pauri Garhwal | | | | | |
| 35 | Ichari Dam | Tons/Yamuna/Ganga | UK | Dehradun/Nahan(HP) | | | | | |

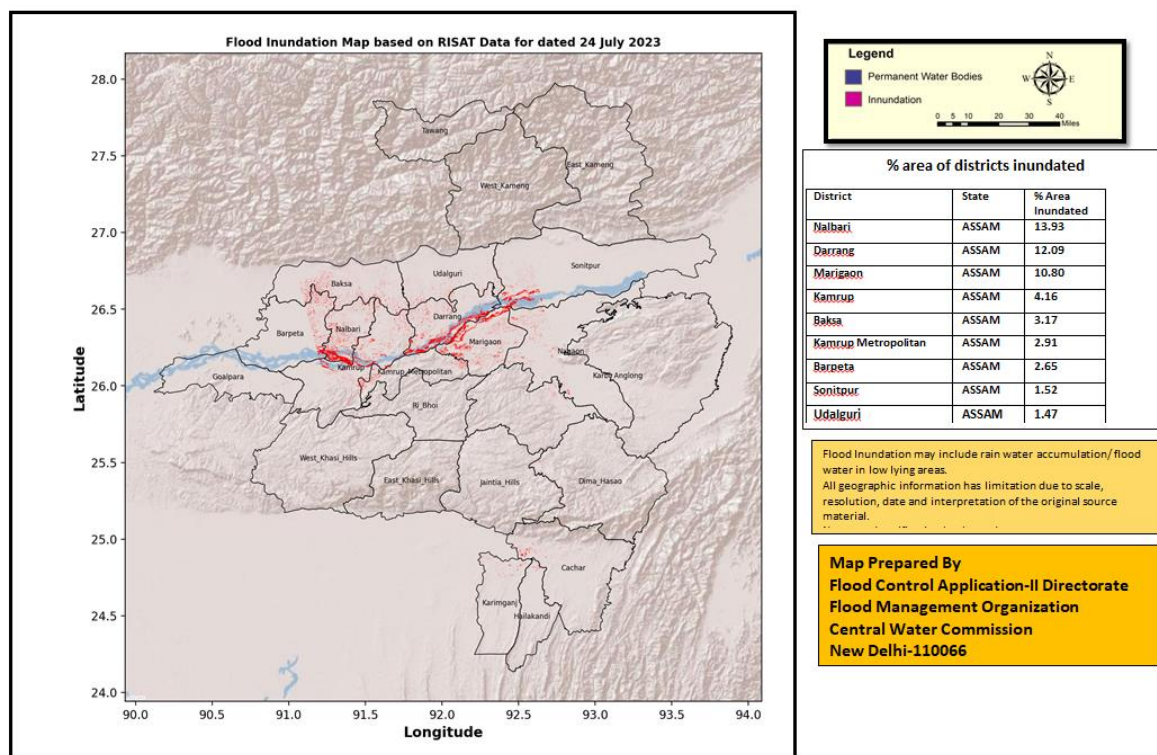
Note- Based on above information, Project Authority may regulate the reservoirs as per standard operating manuals/ rule levels to avoid downstream flooding and upstream submergence

4.0 Inundation Map of Various States developed by CWC

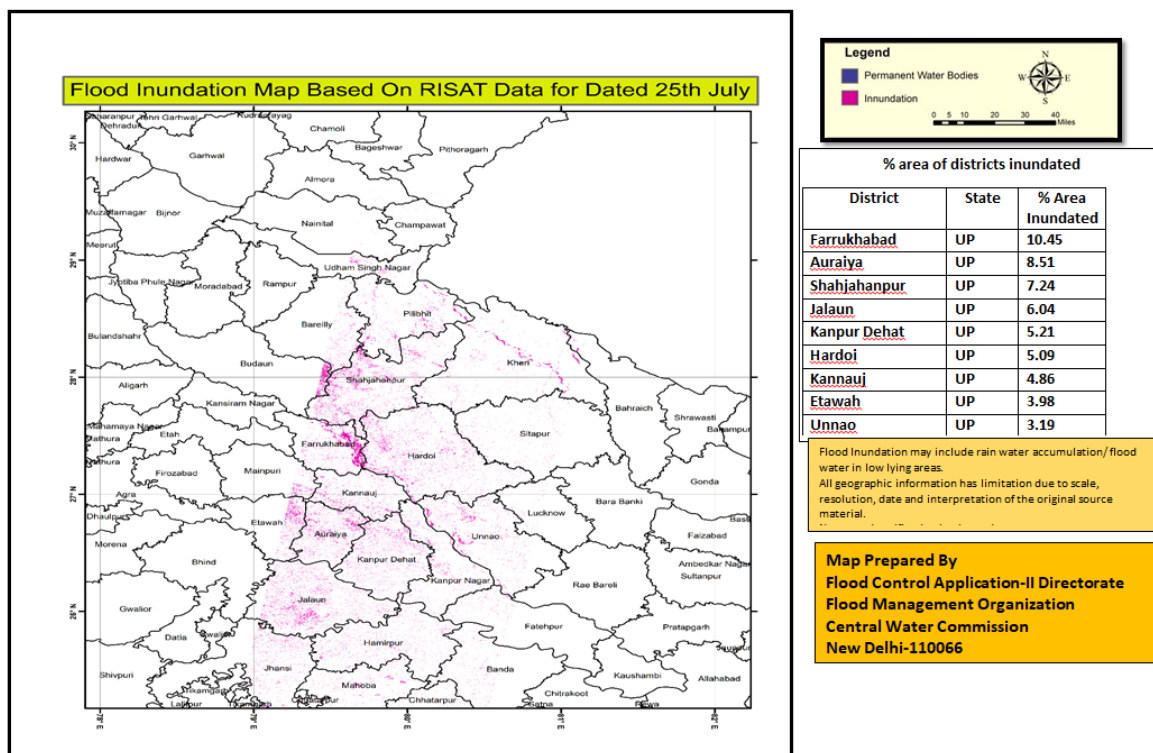
Haryana and Punjab



Assam



Uttar Pradesh



Telangana, Andhra Pradesh and Karnataka

