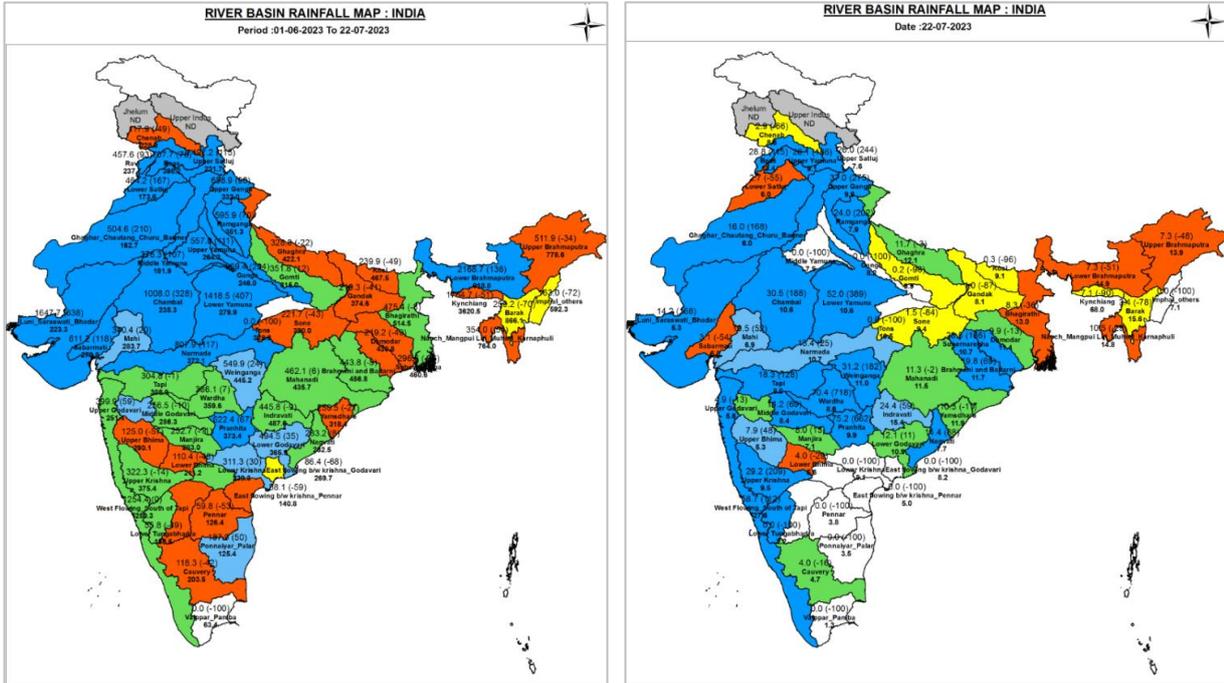




**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**22-07-2023**

**1.0 Rainfall Situation**

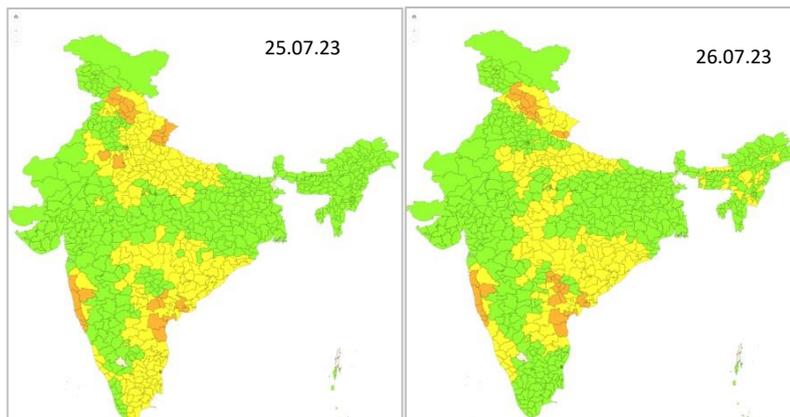
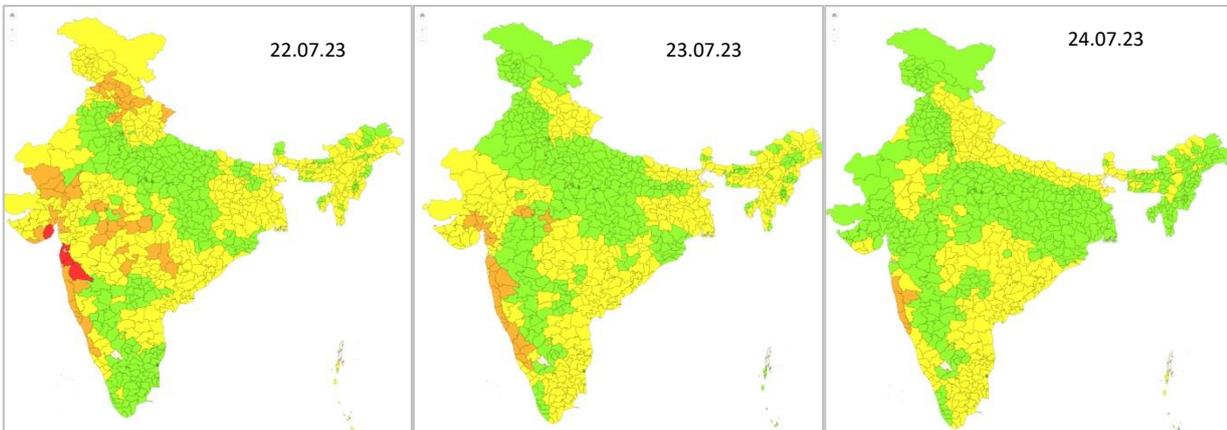
**1.1 District wise departure from normal of cumulative and daily rainfall**



**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

**1.2 Rainfall forecast for next 5 days issued on 22<sup>nd</sup> July 2023 (Midday) by IMD**



■ No Warning 
 ■ Watch 
 ■ Alert 
 ■ Warning

## 2.0 Flood Situation and Advisories

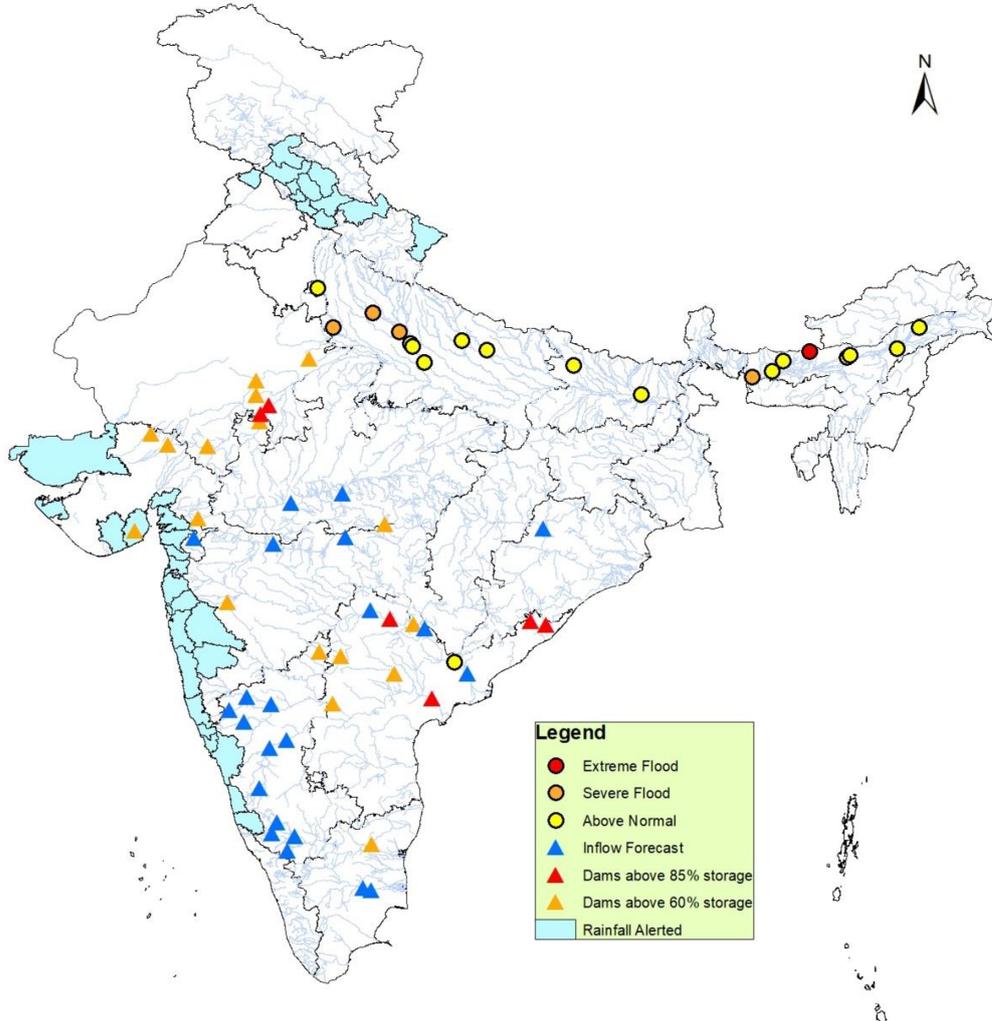
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 22<sup>nd</sup> July 2023, 4 stations (3 in Uttar Pradesh & 1 in Assam) are flowing in Severe Flood Situation, 15 stations (5 in Uttar Pradesh, 6 in Assam, 2 in Bihar & 1 each in Andhra Pradesh in Delhi) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 28 Dams and Barrages (11 in Karnataka, 5 in Telangana, 3 in Uttar Pradesh, 2 each in Maharashtra, Madhya Pradesh & Tamil Nadu and 1 each in Andhra Pradesh, Gujarat & Odisha).

| PART - I: LEVEL FORECAST   |   | (Total Sites - 199)   |                              |
|--|---|---|------------------------------|
| S.No.  | Flood Situations  | State-wise Flood Situation  | Numbers of Forecasting Sites |
| A  | Extreme Flood Situation:<br>(Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)                           |   | 0                            |
| B  | Severe Flood Situation:<br>(Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL)) | Assam(1), Uttar Pradesh(3)  | 4                            |
| C  | Above Normal Flood Situation:<br>(Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)       | Andhra Pradesh(1), Assam(6), Bihar(2), Delhi(1), Uttar Pradesh(5)   | 15                           |
| Total number of sites above Warning Level ( A+B+C)   |   |   | 19                           |
| PART - II: INFLOW FORECAST   |   | (Total Sites - 134)   |                              |
| Number of sites for which inflow forecasts issued:<br>(Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage) |   | Andhra Pradesh(1), Gujarat(1), Karnataka(11), Madhya Pradesh(2), Maharashtra(2), Odisha(1), Tamil Nadu(2), Telangana(5), Uttar Pradesh(3) | 28                           |

Details are given at link: [https://cwc.gov.in/sites/default/files/cfrcwcdfb22.07.2023\\_5.pdf](https://cwc.gov.in/sites/default/files/cfrcwcdfb22.07.2023_5.pdf)

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

### Maharashtra

Due to intensification of monsoon winds, very heavy to extremely heavy rains are expected in **Palghar, Thane, Mumbai, Raigad, Ratnagiri, Pune, Satara, Kohlapur** districts, hence alert for water level rise may be kept in rivers 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 dist.). Alert for water level rise also may be kept in Pranhita, Wainganga, Wardha, Indravati, Penganaga and other small rivers over **Nanded, Gadchiroli, Washim and Yavatmal** districts. Current flood situation as per CWC network is given below:

| CWC Site     | River | District   | Flood Type   | Trend in Water Level |
|--------------|-------|------------|--------------|----------------------|
| Belne Bridge | Gad   | Sindhudurg | Severe       | Rising               |
| Yerli        | Purna | Buldana    | Severe       | Rising               |
| Anjanari     | Kajvi | Ratnagiri  | Above Normal | Rising               |

### Gujarat

Due to intensification of monsoon winds, very heavy rains are expected in **Anand, Baroda, Narmada, Tapi, Valsad, Surat, Bharuch, Dangs, Navsari** hence alert for water level rise is expected in lower Mahi, lower Tapi, lower Narmada, Damanganga, Auranga, Par, Mindhola, Kaveri, Ambika and other small rivers of South Gujarat region. Very heavy to extremely heavy rains are expected in **Kuchchh, Jamnagar, Porbander, Amreli, Bhavnagar, Junagadh, Dev Bhoomi Dwarka** districts. Alert for water level rise may be kept Mitti, Rukhmavati, Shetrunji, Bhadar, Machhu, Meghal and other small rivers of Saurashtra and Kuchchh region.

### Madhya Pradesh

Very heavy rainfall is expected **Ratlam, Ujjain, Sehore, Khandwa, Khargone, Harda, Burhanpur, Betul, Chhindwara** districts. Alert for water level rise may be kept in rivers Mahi, Chambal, Narmada, Tapi and the tributaries of said rivers over the region. Current flood situation as per CWC network is given below:

| CWC Site  | River | District | Flood Type   | Trend in Water Level |
|-----------|-------|----------|--------------|----------------------|
| Burhanpur | Tapi  | Rajgarh  | Severe       | Rising               |
| Yerli     | Purna | Buldana  | Severe       | Rising               |
| Wankhed   | Tapi  | Buldana  | Above Normal | Falling              |

### Uttarakhand

Very heavy rainfall is expected **Uttarkashi, Dehradun, Pithoragarh** districts, hence alert for water level rise may be kept in rivers of upper Yamuna and Ganga, Sarju, Sarda, Goriganga and other small rivers over the region.

### Himachal Pradesh

IMD has predicted heavy rains in the districts such as **Bilaspur, Chamba, Kangra, Kullu, Mandi, Solan and Shimla** hence alert for water level rise may be kept in rivers such as Ravi, Beas, Sutlej, Tons, Yamuna and its tributaries in above said districts for next 2 days.

## Punjab

IMD has predicted very heavy rains in the districts **Pathankot, Gurudaspur, Hoshiarpur** hence alert for water level rise may be kept in rivers such as Ravi, Beas and its tributaries for next 2 days.

## New Delhi

River Yamuna in Ganga basin at Delhi Railway Bridge in **North** district of Delhi flows in Above Normal Flood Situation at 18:00 hrs today and water level of Yamuna at Delhi Railway Bridge is expected to rise and will flow in severe flood situation by tomorrow (23.07.2023).

## Uttar Pradesh

Due to downward propagation of floods in Yamuna water level is expected to rise in lower riparian region. As per CWC network flood situation exists in Ganga river in districts **Hapur, Budan, Farrukhabad, Fatehpur**, in Ramganaga in districts **Moradabad, Shahjahanpur**, in Sarda in district **Kheri** and Ghaghra in district **Barabanki, Ayodhya**. Current flood situation as per CWC network is given below:

| CWC Site     | River  | District    | Flood Type   | Trend in Water Level |
|--------------|--------|-------------|--------------|----------------------|
| Kachlabridge | Ganga  | Budaun      | Severe       | Steady               |
| Pragyaghat   | Yamuna | Mathura     | Severe       | Rising               |
| Fatehgarh    | Ganga  | Farrukhabad | Severe       | Rising               |
| Kannauj      | Ganga  | Kannauj     | Above Normal | Rising               |
| Ankinghat    | Ganga  | Kanpur      | Above Normal | Rising               |

## Assam

Current flood situation as per CWC site network is as given below:

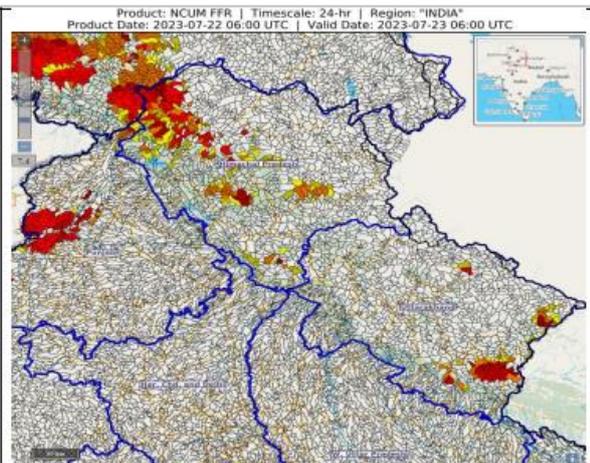
| CWC Site   | River       | District | Flood Type   | Trend in Water Level |
|------------|-------------|----------|--------------|----------------------|
| DRF        | Puthimari   | Baksa    | Extreme      | Steady               |
| Dhubri     | Brahmaputra | Dhubri   | Severe       | Falling              |
| JiaBharali | JiaBharali  | Sonitpur | Above Normal | Rising               |
| Beki Road  | Beki        | Barpeta  | Above Normal | Rising               |

## 2.3 Flash Flood Guidance

### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 23-07-2023 :**

**Moderate flash flood risk** likely over few watersheds & neighbourhoods of **Uttarakhand, Himachal Pradesh & adjoining South J&K** and **West Punjab** Met Sub-divisions during next 24 hours.

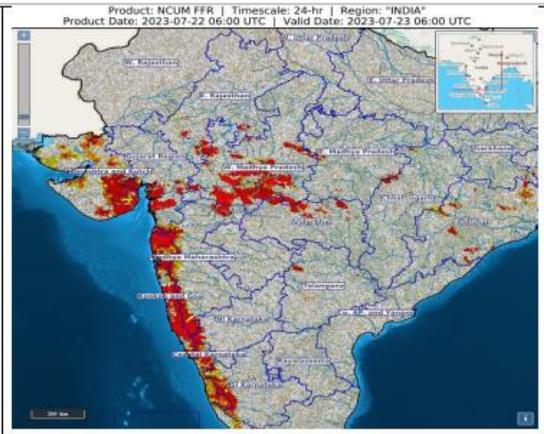
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



**24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 23-07-2023 :**

**Moderate flash flood risk** likely over few watersheds & neighbourhoods of **Vidarbha & adjoining Madhya Maharashtra, South Gujarat Region, Konkan & Goa, and Saurashtra & Kutch** 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 5-days in Table form

The flood situational Flood Forecasting Stations likely to be above warning level for next 5 days

| S.No | Station                        | River            | District              | State          | 23-07-2023 | 24-07-2023 | 25-07-2023 | 26-07-2023 | 27-07-2023 |
|------|--------------------------------|------------------|-----------------------|----------------|------------|------------|------------|------------|------------|
| 1    | KACHHLA BRIDGE                 | GANGA            | Budaun                | Uttar Pradesh  | S          | S          | S          | S          | S          |
| 2    | KUNAVARAM                      | GODAVARI         | ALLURI SITHARAMA RAJU | Andhra Pradesh | S          | S          | S          | S          | S          |
| 3    | DELHI RAILWAY BRIDGE           | YAMUNA           | North                 | NCT of Delhi   | S          | S          | S          | S          | S          |
| 4    | ETAWAH                         | YAMUNA           | Etawah                | Uttar Pradesh  | AN         | AN         | AN         | AN         | S          |
| 5    | FATEHGARH                      | GANGA            | Farrukhabad           | Uttar Pradesh  | S          | S          | S          | S          | S          |
| 6    | JHAWA                          | MAHANANDA        | Katihar               | Bihar          | N          | AN         | AN         | S          | S          |
| 7    | MATHURA (PRAYAG GHAT)          | YAMUNA           | Mathura               | Uttar Pradesh  | S          | S          | S          | S          | S          |
| 8    | BADATIGHAT                     | SUBANSIRI        | LAKHIMPUR             | Assam          | AN         | AN         | S          | S          | S          |
| 9    | NEAMATIGHAT                    | BRAHMAPUTRA      | JORHAT                | Assam          | AN         | AN         | AN         | AN         | S          |
| 10   | NUMALIGARH                     | DHANSIRI (SOUTH) | GOLAGHAT              | Assam          | AN         | AN         | S          | S          | S          |
| 11   | DHUBRI                         | BRAHMAPUTRA      | DHUBRI                | Assam          | S          | S          | S          | S          | S          |
| 12   | ARARIA                         | PARMAN           | ARARIA                | Bihar          | AN         | S          | S          | S          | S          |
| 13   | BHADRACHALAM                   | GODAVARI         | BHADRADRI             | Telangana      | AN         | AN         | AN         | AN         | N          |
| 14   | DUMMAGUDEM                     | GODAVARI         | BHADRADRI             | Telangana      | AN         | AN         | AN         | N          | N          |
| 15   | CHINTURU (TALLAGUDEM_KUMMURU)  | SABRI            | ALLURI SITHARAMA RAJU | Andhra Pradesh | N          | AN         | AN         | N          | N          |
| 16   | DOWLAISWARAM (STATE GOVT SITE) | GODAVARI         | EAST GODAVARI         | Andhra Pradesh | AN         | AN         | AN         | AN         | AN         |
| 17   | ANKINGHAT                      | GANGA            | KANPUR NAGAR          | Uttar Pradesh  | AN         | AN         | AN         | AN         | AN         |
| 18   | AYODHYA                        | GHAGRA           | AYODHYA               | Uttar Pradesh  | AN         | AN         | AN         | AN         | AN         |
| 19   | BALTARA                        | KOSI             | Khagaria              | Bihar          | AN         | AN         | AN         | AN         | AN         |
| 20   | BASUA                          | KOSI             | Supaul                | Bihar          | AN         | AN         | AN         | AN         | AN         |
| 21   | BENIBAD                        | BAGMATI          | Muzaffarpur           | Bihar          | N          | N          | N          | AN         | AN         |
| 22   | DHENGGRAGHAT                   | MAHANANDA        | Purnia                | Bihar          | N          | AN         | AN         | AN         | AN         |
| 23   | ELGIN BRIDGE                   | GHAGRA           | BARABANKI             | Uttar Pradesh  | AN         | AN         | AN         | AN         | AN         |
| 24   | GARHMUKTESHWAR                 | GANGA            | Hapur                 | Uttar Pradesh  | AN         | AN         | AN         | AN         | AN         |
| 25   | HARIDWAR (DUDHIA BAND)         | GANGA            | Haridwar              | Uttarakhand    | AN         | AN         | N          | N          | N          |
| 26   | KANNAUJ                        | GANGA            | Kannauj               | Uttar Pradesh  | AN         | AN         | AN         | AN         | AN         |
| 27   | KANPUR                         | GANGA            | Kanpur Nagar          | Uttar Pradesh  | AN         | N          | N          | N          | AN         |
| 28   | RISHIKESH                      | GANGA            | Dehradun              | Uttarakhand    | AN         | AN         | N          | N          | N          |

|    |                              |             |           |                |    |    |    |    |    |
|----|------------------------------|-------------|-----------|----------------|----|----|----|----|----|
| 29 | TURTIPAR                     | GHAGRA      | Ballia    | Uttar Pradesh  | AN | AN | AN | AN | AN |
| 30 | DUMARIAGHAT                  | GANDAK      | Gopalganj | Bihar          | AN | AN | N  | N  | N  |
| 31 | DHENG BRIDGE                 | BAGMATI     | Sitamarhi | Bihar          | N  | N  | N  | N  | AN |
| 32 | MORADABAD                    | RAMGANGA    | Moradabad | Uttar Pradesh  | AN | AN | AN | AN | AN |
| 33 | BEKI ROAD BRIDGE             | BEKI        | BARPETA   | Assam          | AN | AN | N  | N  | N  |
| 34 | CHENIMARI (KHOWANG)          | BURIDEHING  | DIBRUGARH | Assam          | N  | N  | N  | AN | AN |
| 35 | DHARAMTUL                    | KOPILI      | MARIGAON  | Assam          | N  | N  | N  | AN | AN |
| 36 | DIBRUGARH                    | BRAHMAPUTRA | DIBRUGARH | Assam          | AN | AN | AN | AN | AN |
| 37 | GOALPARA                     | BRAHMAPUTRA | GOALPARA  | Assam          | AN | AN | AN | AN | AN |
| 38 | GUWAHATI(D.C.COURT)          | BRAHMAPUTRA | KAMRUP    | Assam          | AN | N  | N  | AN | AN |
| 39 | NT ROAD CROSSING JIA-BHARALI | JIABHARALI  | SONITPUR  | Assam          | AN | AN | AN | AN | AN |
| 40 | NANGLAMORAGHAT               | DESANG      | SIVSAGAR  | Assam          | N  | N  | N  | N  | AN |
| 41 | SIVSAGAR                     | DIKHOW      | SIVSAGAR  | Assam          | N  | AN | AN | AN | AN |
| 42 | TEZPUR                       | BRAHMAPUTRA | SONITPUR  | Assam          | AN | AN | AN | AN | AN |
| 43 | RANGANADI NT ROAD CROSSING   | RANGANADI   | LAKHIMPUR | Assam          | N  | N  | N  | AN | AN |
| 44 | MANDLA                       | NARMADA     | MANDLA    | Madhya Pradesh | N  | N  | N  | AN | AN |
| 45 | MEKHLIGANJ (R_B)             | TEESTA      | KOCHBIHAR | West Bengal    | AN | AN | AN | AN | AN |
| 46 | GOLOKGANJ                    | SANKOSH     | DHUBRI    | Assam          | 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).

### 3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 22<sup>nd</sup> 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   | 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)/JogalambaGadwal(Telangana)                    |                    |       |       |       |       |
| 6       | Thottapalli Reservoir | Vaigai/Upper Vaigai/East flowing rivers south of Cauvery Basin                    | AP    | Vizianagaram  |                    |       |       |       |       |
| 7       | Gotta Barrage         | Vamsadhara/Vamsadhara/EFR (Mahanadi to Pennar)                                    | AP    | Srikakulam  |                    |       |       |       |       |
| 8       | Prakasam Barrage      | Krishna/Krishna   | AP    | Krishna /Guntur   |                    |       |       |       |       |
| 9       | Karanja Dam           | Karanja/Manjira/Godavari  | kar   | Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)Bidar           |                    |       |       |       |       |
| 10      | Sathnur               | Ponnaiar/Middle South Pennar/East flowing rivers between Pennar and Cauvery Basin | TN    | Vizianagaram  |                    |       |       |       |       |
| 11      | Dantiwada Dam         | Banas/Western Flowing River (Kutch &Saurashtra)                                   | Guj   | Banaskantha   |                    |       |       |       |       |
| 12      | Dharoi Dam            | Sabarmati/Sabarmati Basin   | Guj   | Mehsana   |                    |       |       |       |       |
| 13      | Shetrunji Dam         | Shetrunji/WFR (Kutch &Saurashtra)   | Guj   | Bhavnagar   |                    |       |       |       |       |
| 14      | SardarSarovar Dam     | Narmada/Narmada b/w Hosangabaad to SSP/Narmada                                    | Guj   | Nrmada( Guj), Nadurbar( MP)/Narmada, Vadodra, Bharuch( Guj) |                    |       |       |       |       |
| 15      | kabini                | Kabini/Kabini/ Cauvery  | Kar   | Wayanad (Ker)/Mysuru(Kar)                                   |                    |       |       |       |       |
| 16      | Mula Dam              | Mula/Upper Godavari/Godavari  | Mah   | Ahmadnagar  |                    |       |       |       |       |
| 17      | Upper Wardha Project  | Wardha/Wardha/Godavari  | Mah   | Wardha, Amravati  |                    |       |       |       |       |
| 18      | Totladoh Project      | Pench/Wainganga/Godavari  | Mah   | Chindwara(MP)/Nagpur(Mah)                                   |                    |       |       |       |       |
| 19      | RanaPratapSagar       | Chambal/Upper Chambal/Ganga   | Raj   | Neemuch(MP)/Dholpur, Kota, Bundi(Raj)                       |                    |       |       |       |       |
| 20      | Kota Barrage          | Chambal/Upper Chambal/Ganga   | Raj   | Neemuch(MP)/Dholpur, Kota, Bundi(Raj)                       |                    |       |       |       |       |
| 21      | Bisalpur Dam          | Banas/Upper Chambal/Ganga   | Raj   | Bhilwara/Tonk   |                    |       |       |       |       |
| 22      | Gudha Dam             | Mejchambal/Upper Chambal/Ganga  | Raj   | Bhilwara/Bundi  |                    |       |       |       |       |
| 23      | SomKamlaAmba Dam      | Som/Mahi B/Mahi   | Raj   | Udaipur/Dungarpur   |                    |       |       |       |       |

|    |                       |                               |     |                                     |  |  |  |  |  |
|----|-----------------------|-------------------------------|-----|-------------------------------------|--|--|--|--|--|
| 24 | Panchana Dam          | Gambhiri/Upper Chambal/Ganga  | Raj | Karauli/Sawaimadhopur/Bharatpur     |  |  |  |  |  |
| 25 | Bargi Dam             | Narmada/Upper Narmada/Narmada | MP  | Mandla, Seoni/Jabalpur, Narsimhapur |  |  |  |  |  |
| 26 | Pench Reservoir       | Pench/Godavari                | MP  | Chhindwara/Seoni                    |  |  |  |  |  |
| 27 | Barna Dam             | Barna/Middle Narmada/Narmada  | MP  | Raisen                              |  |  |  |  |  |
| 28 | Sanjay SarovarProject | Wainganga/Wainganga/Godavari  | MP  | Seoni/Balaghat                      |  |  |  |  |  |

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

