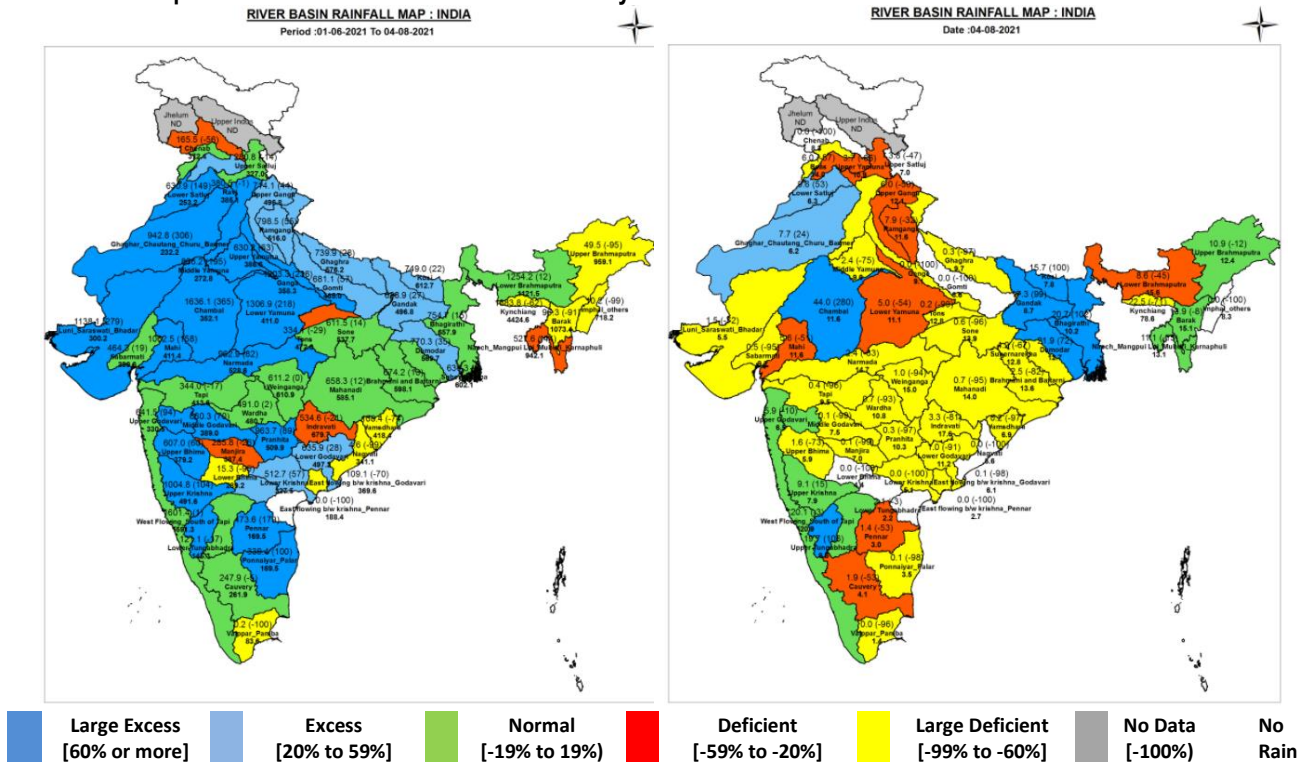




**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**04-08-2021**

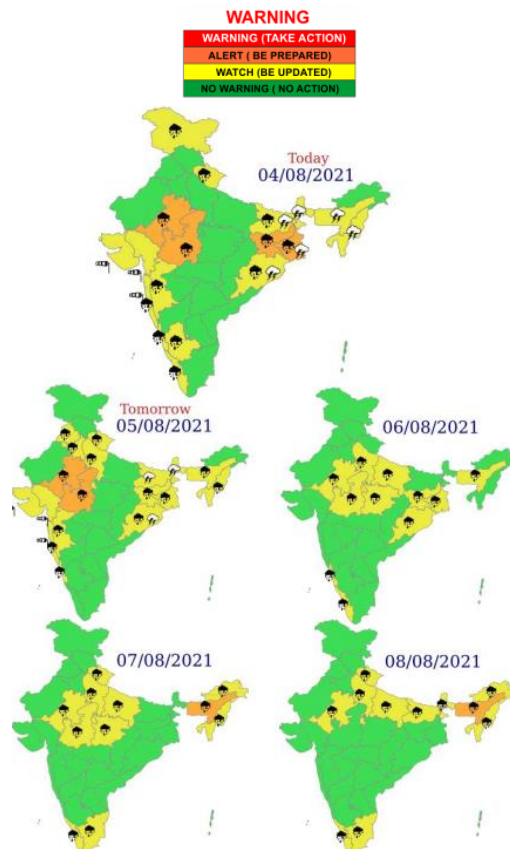
**1.0 Rainfall Situation**

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



Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)  
 b) Percentage departures of rainfall are shown in brackets.

**1.2 Rainfall forecast for next 5 days issued on 4<sup>th</sup> August 2021 (Midday) by IMD**



- Very Heavy Rainfall over East Rajasthan and West Madhya Pradesh on 04th & 05th; over Jharkhand and Gangetic West Bengal on 04th and over Assam & Meghalaya on 07th & 08th August, 2021

## 2.0 Flood Situation and Advisories

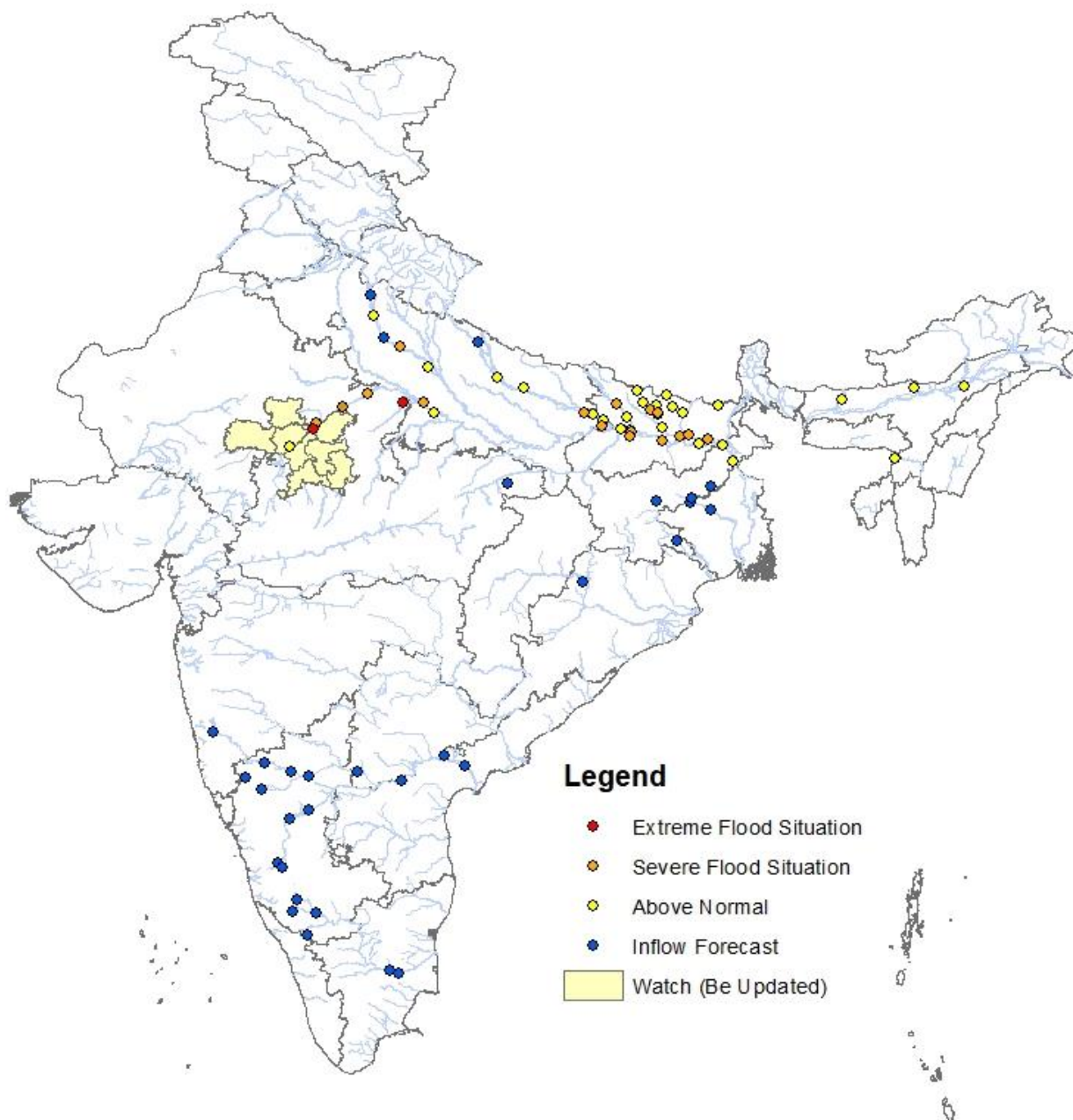
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 4<sup>th</sup> August, 2021, 2 Stations (1 each in Madhya Pradesh and Rajasthan) are flowing in Extreme Flood Situation, 17 Stations (10 in Bihar, 4 in Uttar Pradesh and 3 in Rajasthan) are flowing in Severe Flood Situation and 29 stations (15 in Bihar, 5 in Uttar Pradesh, 4 in Assam and 1 each in Jharkhand, Karnataka, Kerala, Rajasthan & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 32 Barrages & Dams (13 in Karnataka, 5 in Jharkhand, 4 in Andhra Pradesh, 3 in Uttar Pradesh, 2 in Tamil Nadu and 1 each in Madhya Pradesh, Maharashtra, Odisha, Telangana & West Bengal).

| PART - I: LEVEL FORECAST   |   |                              |
|--|---|------------------------------|
| S.No.  | Flood Situations  | Numbers of Forecasting Sites |
| A  | Extreme Flood Situation:<br>(Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)                           | 2                            |
| B  | Severe Flood Situation:<br>(Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL)) | 17                           |
| C  | Above Normal Flood Situation:<br>(Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)       | 29                           |
| Total number of sites above Warning Level (A+B+C)  |   | 48                           |
| PART - II: INFLOW FORECAST   |   |                              |
| Number of sites for which inflow forecasts issued:<br><br>(Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage) |   | 32                           |

Details are given at link: <https://drive.google.com/file/d/1PZ3d8OGM0W4rTiYNnQ704bKBnqT-c8d/view?usp=sharing>

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

### 2.2.1 Yamuna and its Tributaries - West Madhya Pradesh, East Rajasthan & Uttar Pradesh

As per IMD forecast, yesterdays Low Pressure Area over north-west Madhya Pradesh (M.P) has weakened into Low Pressure Area over the same region. It is expected that after 24 hrs the system will further weaken over the same area. IMD has predicted heavy rainfall over east Rajasthan and north-west M.P for next 2days. Since the system has weaken, the rainfall intensity is expected to decrease. But the soil moisture is very high over the said area due to continued rainfall for last 3 to 4 days, the surface flow will be high for any rainfall events for coming 2 to 3 days. Hence alert may be kept for next 2 to 3 days in the tributaries of Yamuna mainly Chambal, Ken, Tons, Dhasan, Sonar, Bearma, Kunwari, Betwa, Gambhir, Banganga, Banas, Kari & Kalisindh, mainly in districts such as **Sehore, Guna, Baran & Bhundi of M.P; Bhilwara, Tonk, Kota & Jhalawar of Rajasthan.**

Extreme to heavy flood situation existing in districts of north Madhya Pradesh and adjoining Rajasthan i.e, in the upper & middle reaches of the Yamuna tributaries are expected to decrease gradually in 2 to 3 days due to decrease in distribution and intensity of rainfall. Anyhow as the flood wave will progress downstream the water levels in main Yamuna and Ganga (reaches mainly after Farrukabad) are expected to rise in coming two to 3 days. Currently river Sind river in **Datia** district of **M.P.** is flowing in extreme flood situation with steady trend. Parwati river (**Kota** dist.), Chambal river in **Sawai Madhopur** and **Karauli** districts (Rajasthan) are flowing in severe flood situation with falling trend. Chambal river in **Dholpur** district (**Rajasthan**) and Yamuna river in **Auraiya** dist. (**U.P.**) are in severe flood situation with rising trend due to downstream progression of flood wave.

Chambal at **Dholpur & Karauli** districts of Rajasthan are flowing in severe flood situation with rising trend. Kalisindh, Panchana and Ranapratapsagar dams are having capacity above 60%, hence, releases from these dams may be done as per SOP. Increased inflows are expected in Rajghat dam (Ashok Nagar dist.), Gandhi Sagar dam (Mandsaur dist.) of Madhya Pradesh; Matatila dam (Lalitpur, Uttar Pradesh); Kalisindh Dam (Jhalawar dist.), Panchana dam (Karauli dist.), Bisalpur dam (Tonk dist.) of Rajasthan.

### 2.2.2 Ganga basin- Uttarakhand, Uttar Pradesh & Bihar

Increased flow and flooding in Yamuna & other southern tributaries originating in Madhya Pradesh and Rajasthan such as Chambal, Sone, Tons, Ken, Betwa, Kunwari, Kalisindh, Dhasan, Sonar, Bearma, Parbati, Banas etc has raised the water level in main Ganga in the districts of **Ballia in Uttar Pradesh** and **Patna in Bihar**. Alert may be kept in the districts along the main Ganga stem.

Alert may be kept in Uttarakhand districts such as Dehradun, Pauri Garhwal, Nanital, Pithorgarh, Chamoli & Bageshwar as the IMD has predicted heavy rainfall.

River Ghaghra in Ballia, Ayodhya, Barabanki (of Uttar Pradesh), Siwan (Bihar) Districts, River Gandak in Gopalganj, Muzzafarpur Districts (Bihar) and River Ganga in Badaun, Hapur & Farrukhabad Districts of Uttar Pradesh are flowing in Severe to Above Normal Flood Situation.

Currently River Kosi in Khagaria, Supaul & Katihar districts, River Bagmati in Muzzafarpur & Sitamarhi districts, River Gandak in Gopalganj Dt, River Adhwa in Darbhanga District, Rivers Kamla & Kamlabalan in Madhubani Dt, River Burhi Gandak in Khagaria & Samastipur Districts, River Araria in Parman Dt, River Ghaghra in Siwan Dt and River Mahananda in Purnia Dt of Bihar are flowing in Severe to Above Normal Flood Situation.

### 2.2.3 Godavari and Krishna basin- Maharashtra, Telangana, Andhra Pradesh & Karnataka

**Godavari basin:** Water Levels in Godavari in Maharashtra have fallen after the recent flood wave. Sriramsagar (>90%), Karanja, Sri Pada Yellampally (>80%), Yeldari, Kaddam are having storages >70% and above. Releases are to be done as per SOP.

**Krishna Basin:** The inflows into major dams such as Almatti, Narayanpur, P D Jurala, Singatluru & Sunkesula barrage, Tungabhadra, Srisailem & Nagarjunasagar dam is now in steady to falling trend, whereas Pulichintala project is receiving inflows with rising trend. However, storages in almost all reservoirs are near to FRL, hence, releases from these dams may be done as per SOP. Currently, Yerala river is flowing in above normal flood situation in Sangli district (Maharashtra) and severe flood situation exist in Kolhapur district in Panchganga river.

### 2.2.4 Cauvery basin – Karnataka, Tamil Nadu

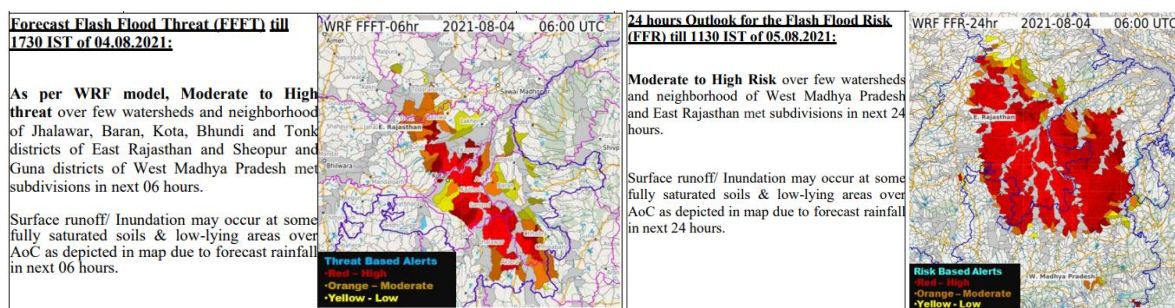
Inflows into Harangi, Hemavathi, Kabini and KRS dams are having steady trend. Close watch is to be maintained as the storages are high in most of the major projects. Necessary precautions may be taken for releases from dam after informing all downstream areas in Karnataka and lower riparian States. Releases from Kabini dam are being realised at Mettur dam of Salem and Dharmapuri district (Tamil Nadu).

### 2.2.5 Rivers of West Bengal

IMD has predicted heavy rainfall over West Bengal hence alert may be kept in districts Pashchim & Purba Bardhaman, North & South 24 Parganas, Howrah, Pashchim & East Medinipur as the flow in rivers Damodar, Mundeshwari, Dwarkeshwari, Rupnarayan and Ghatal is already high.

## 2.3 Flash Flood Guidance

IMD has issued flash flood risk over few watersheds and neighbourhood of West Madhya Pradesh and East Rajasthan met subdivisions.





### 3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 04<sup>th</sup> August 2021

Reservoirs shown in red are having gross storage capacity more than 80% and those in orange are having gross storage greater than 60%. Close watch is to be maintained at these reservoirs whenever Very Heavy Rainfall (Orange) and Extremely Heavy Rainfall (Red) warning in next 120 hours are given below:

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

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

| #  | Reservoir/Dams      | River/Sub-Basin /Basin                                  | State       | US/ DS District  | Rainfall situation |       |       |       |       |
|----|---------------------|---|-------------|--|--------------------|-------|-------|-------|-------|
|    |                     |   |             |  | Day 1              | Day 2 | Day 3 | Day 4 | Day 5 |
| 1  | Pulichinthala       | Krishna/Lower Krishna/ Krishna                          | AP          | Nalgonda(Telangana)/Guntoor,Krishna (AP)                                   |                    |       |       |       |       |
| 2  | Srisalam            | Krishna/Lower Krishna/Krishna                           | AP          | JogulambaGadwal (Telangana), Kurnool(AP)/Nalgonda(Telangana), Guntoor (AP) |                    |       |       |       |       |
| 3  | Musi                | Musi/Lower Krishna/ Krishna                             | Telangana   | Nalgonda   |                    |       |       |       |       |
| 4  | Sri padaYellampally | Godavari/Middle Godavari/Godavari                       | Telangana   | Mancherial/ JaishankarBhupalpally  |                    |       |       |       |       |
| 5  | Sriramsagar Project | Godavari/Middle Godavari /Godavari                      | Telangana   | Nanded (Mah)/Nirmal (Telangana)  |                    |       |       |       |       |
| 6  | Kaddam              | Kaddam/Middle Godavari/Godavari                         | Telangana   | Adilabad, Nirmal/ Mancherial   |                    |       |       |       |       |
| 7  | PD Jurala           | Krishna/ Middle Krishna/Krishna                         | Telangana   | Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Telangana)            |                    |       |       |       |       |
| 8  | Panchet             | Damodar/Damodar East/ Ganga                             | Jharkhand   | Dhanbad, Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB)     |                    |       |       |       |       |
| 9  | Maithon             | Barakar/Barakar East/Ganga                              | Jharkhand   | Dhanbad, Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB)     |                    |       |       |       |       |
| 10 | Kabini              | Kabini/Kabini/ Cauvery                                  | Karnataka   | Wayanad (Kerala)/ Mysuru (Karnataka)                                       |                    |       |       |       |       |
| 11 | Harangi             | Cauvery/Upper Cauvery/Cauvery                           | Karnataka   | Kodagu/Mandya  |                    |       |       |       |       |
| 12 | Karanja             | Karanja/Manjera/Godavari                                | Karnataka   | Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)                               |                    |       |       |       |       |
| 13 | Almatti             | Krishna/Upper Krishna/Krishna                           | Karnataka   | Kolhapur(Mah)/ Bagalkote(Kar)  |                    |       |       |       |       |
| 14 | Narayanpur          | Krishna/Upper Krishna/Krishna                           | Karnataka   | Bagalkot, Vijayapura/ Raichur, Yaadgir                                     |                    |       |       |       |       |
| 15 | KRS                 | Cauvery/Middle Cauvery/Cauvery                          | Karnataka   | Mandya, Mysore   |                    |       |       |       |       |
| 16 | Tungabhadra         | Tungabhadra/Middle Tungabhadra/Krishna                  | Karnataka   | Gadag/Bellary, Koppal, Raichur   |                    |       |       |       |       |
| 17 | Hemavathy           | Hemavathy/ Hemavathy/Cauvery                            | Karnataka   | Hassan, Kodagu/Mandya, Mysore  |                    |       |       |       |       |
| 18 | Bhadra              | Bhadra/Upper Tungabhadra/Krishna                        | Karnataka   | Chikmagalur/Shimoga  |                    |       |       |       |       |
| 19 | Hidkal              | Ghataprabha/Ghataprabha/Krishna                         | Karnataka   | Kolhapur (Mah)/ Belgaum (Kar)  |                    |       |       |       |       |
| 20 | Malaprabha          | Malaprabha/Malaprabha/Krishna                           | Karnataka   | Belgaum  |                    |       |       |       |       |
| 21 | Warana              | Warana/Upper Krishna/Krishna                            | Maharashtra | Kolhapur, Sangli   |                    |       |       |       |       |
| 22 | Koyna               | Koyna/ Upper Krishna/Krishna                            | Maharashtra | Satara/Kolhapur, Sangli  |                    |       |       |       |       |
| 23 | Yeldari             | Purna/Purna/Godavari                                    | Maharashtra | Parbhani, Hingoli  |                    |       |       |       |       |
| 24 | Totladoh            | Pench/Wainganga/Godavari                                | Maharashtra | Chindwara(MP)/Nagpur(Mah)  |                    |       |       |       |       |
| 25 | Isapur              | Penganga/Penganga/Godavari                              | Maharashtra | Hingoli, Yavatmal/Yavatmal,Nanded  |                    |       |       |       |       |
| 26 | Veer                | Nira/Upper Bhima/Krishna                                | Maharashtra | Pune, Satara   |                    |       |       |       |       |
| 27 | RanaPratapSagar     | Chambal/Upper Chambal/Ganga                             | Rajasthan   | Neemuch(MP)/Dholpur,Kota, Bundi(Raj)                                       |                    |       |       |       |       |
| 28 | Kalisindh           | Kalisindh/Upper Chambal/Ganga                           | Rajasthan   | Shajapur, Rajgarh(MP)/Jhalawar(Raj)  |                    |       |       |       |       |
| 29 | Panchana            | Gambhiri/Upper Chambal/Ganga                            | Rajasthan   | Karauli  |                    |       |       |       |       |
| 30 | SomKamlaAmba        | Som/Mahi B/Mahi   | Rajasthan   | Udaipur/ Dungarpur   |                    |       |       |       |       |
| 31 | Vaigai              | Vaigai/Upper Vaigai/EF Rivers b/w Cauvery & Kanyakumari | TN          | Theni/Madurai  |                    |       |       |       |       |
| 32 | Bhavanisagar        | Bhavani/Middle Cauvery/Cauvery                          | TN          | Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)                |                    |       |       |       |       |
| 33 | Idukki              | Periyar/Upper Periyar/West Flowing                      | Kerala      | Idduki/Ernakulam   |                    |       |       |       |       |

|    |              |   |        |                                     |  |  |  |  |  |
|----|--------------|---|--------|-------------------------------------|--|--|--|--|--|
|    |              | Rivers from Tadri to Kanyakumari                                    |        |                                     |  |  |  |  |  |
| 34 | Edamalyar    | Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari | Kerala | Ernakulam                           |  |  |  |  |  |
| 35 | Bargi        | Narmada/Upper Narmada/Narmada                                       | MP     | Mandla, Seoni/Jabalpur, Narsimhapur |  |  |  |  |  |
| 36 | Gandhi Sagar | Chambal/Upper Chambal/Ganga   | MP     | Mandsaur,Neemuch(MP)/Dholpur(Raj)   |  |  |  |  |  |
| 37 | Tawa         | Tawa/Middle Narmada/Narmada   | MP     | Betul,Hoshnabad/Sehore              |  |  |  |  |  |

**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.