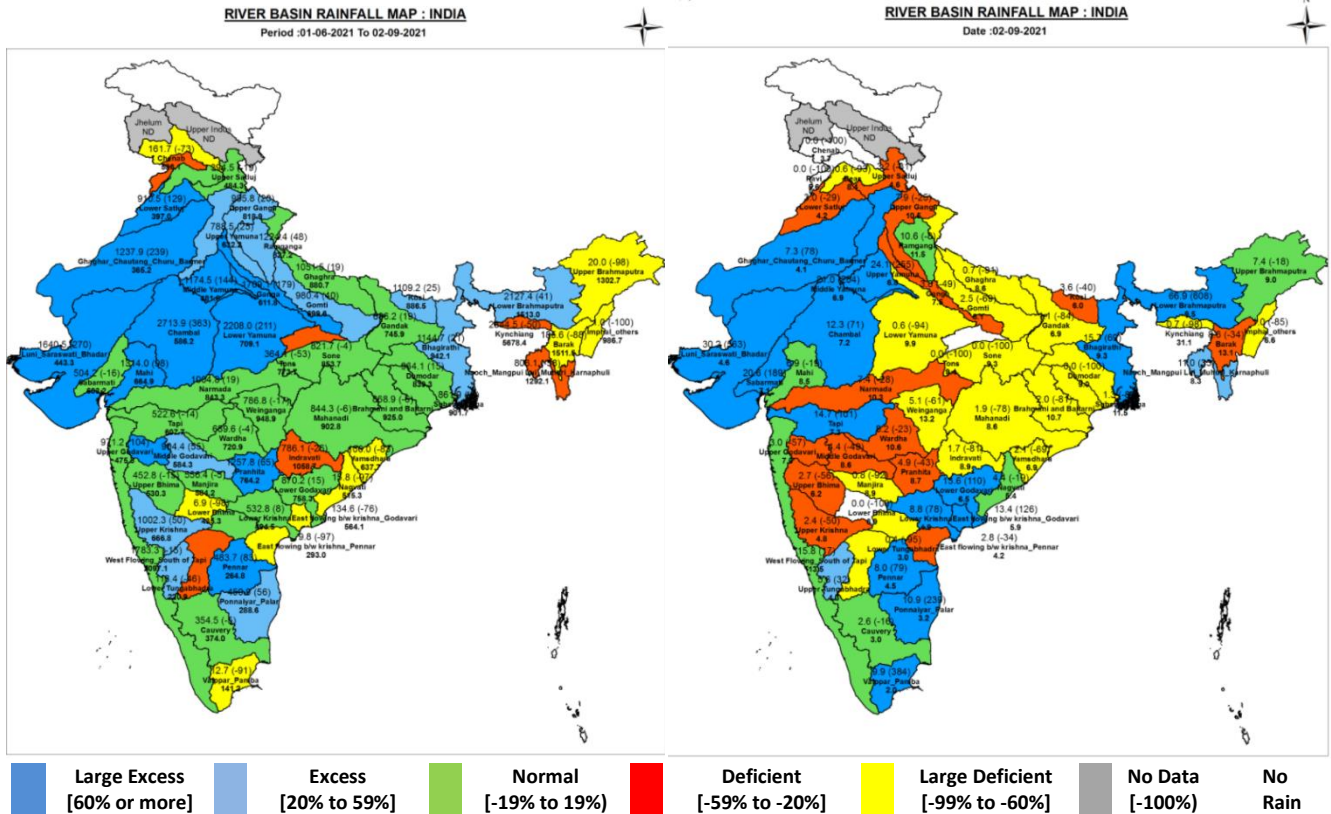




Central Water Commission
Daily Flood Situation Report cum Advisories
02-09-2021

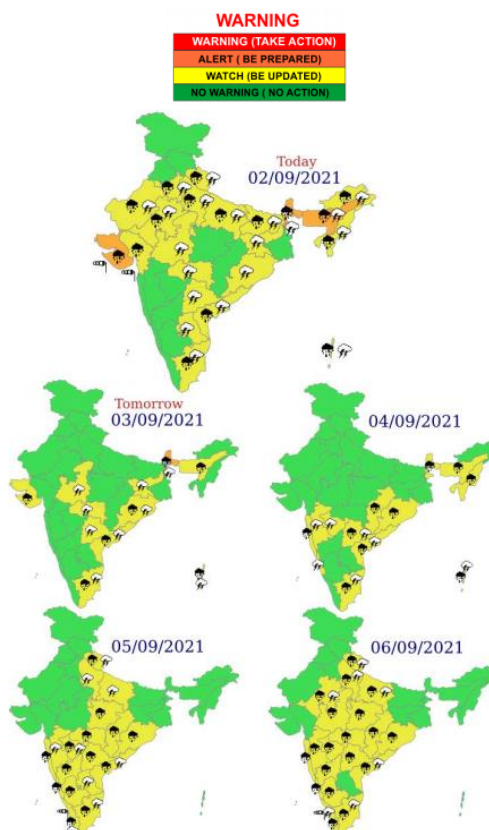
1.0 Rainfall Situation

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 2nd September, 2021 (Midday) by IMD



- Very heavy rainfall at isolated places over Sub-Himalayan West Bengal & Sikkim on 02nd & 03rd; Assam & Meghalaya and Saurashtra & Kutch on 02nd September, 2021.

2.0 Flood Situation and Advisories

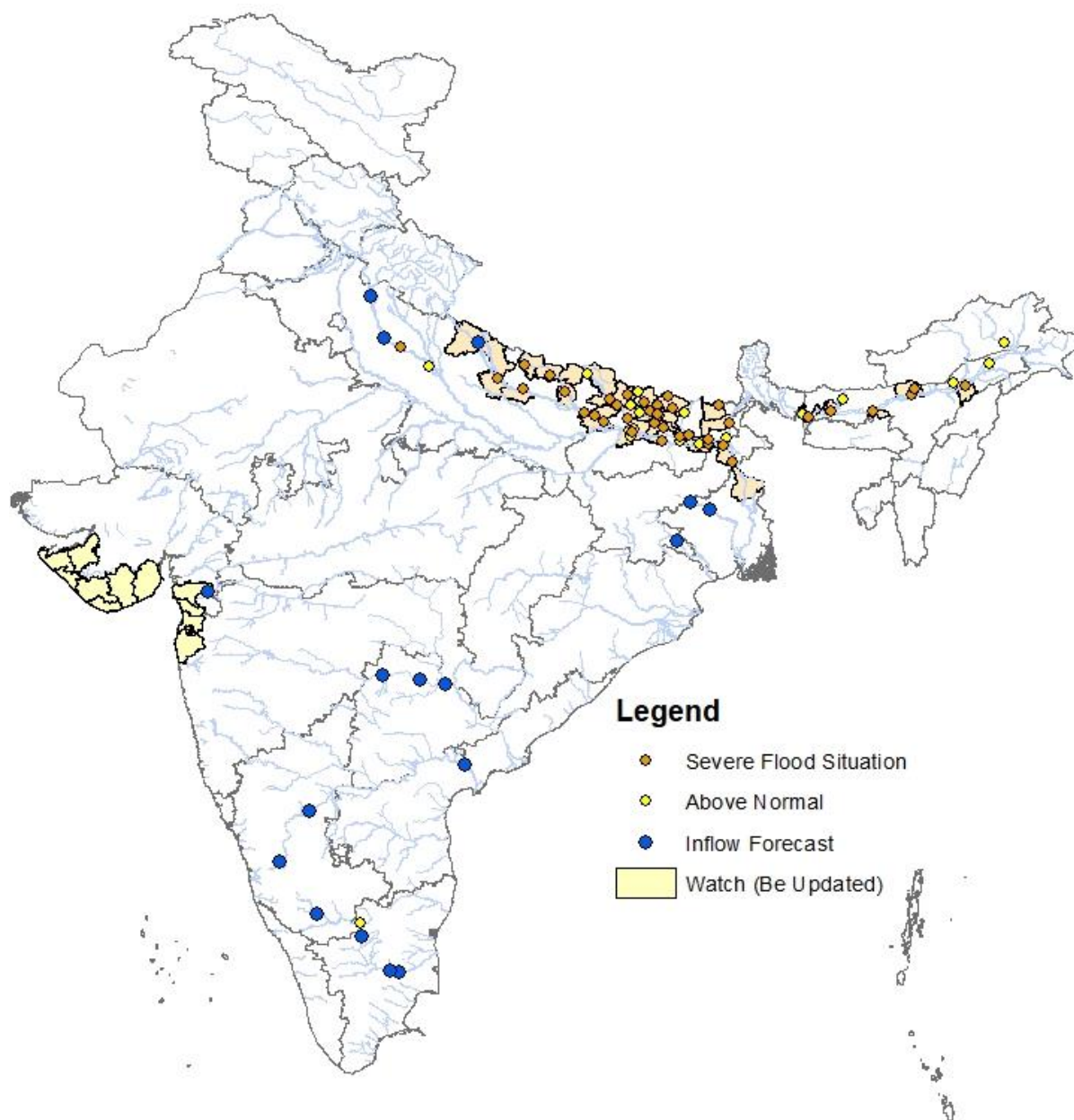
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 2nd September, 2021, 1 station in Uttar Pradesh is flowing in Extreme Flood Situation, 38 Stations (23 in Bihar, 7 in Uttar Pradesh, 6 in Assam and 1 each in Jharkhand & West Bengal) are flowing in Severe Flood Situation and 19 stations (10 in Bihar, 6 in Assam, 2 in Uttar Pradesh and 1 West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 17 Barrages & Dams (3 each in Telangana, Tamilnadu & Uttar Pradesh, 2 each in Andhra Pradesh, Jharkhand & Karnataka and 1 each in Gujarat & West Bengal).

| PART - I: LEVEL FORECAST | | |
|--|---|------------------------------|
| S.No. | Flood Situations | Numbers of Forecasting Sites |
| A | Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled) | 1 |
| B | Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL)) | 38 |
| C | Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level) | 19 |
| Total number of sites above Warning Level (A+B+C) | | 58 |
| PART - II: INFLOW FORECAST | | |
| Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage) | | 17 |

Details are given at link: http://www.cwc.gov.in/sites/default/files/cfrcrcwcdfb-02.09.2021-2_10.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Tapi, Narmada, Damanganga, Banas, Sabarmati, Mahi, Rivers of Saurashtra – Gujarat

Due to upper air cyclonic circulation over Saurashtra and presence of trough running from Saurashtra to Haryana through central parts of Rajasthan, heavy to very heavy rains are expected in river basins of Saurashtra & Kutch. Alert may be kept in districts such as **Dwarka, Porbander & Kutch** and in rivers Jamraol, Minsar, Ozat etc.

Ukai dam is presently receiving inflows above 1000 cumecs and it is in decreasing trend. Mahi, Sabarmati, Banas basins are expected to get fairly widespread rainfall activity.

2.2.2 Ganga Basin- Uttar Pradesh, Bihar, Jharkhand & West Bengal

2.2.2.1 Uttar Pradesh

Presently, river **Ghagra** is flowing above Danger Level in **Barabanki, Ayodhya** districts with receding trends & **Ballia** with rising trends. River **Rapti** is flowing in extreme to severe flood situations in **Balrampur, Siddharth Nagar & Gorakhpur** districts with falling trends. The Rapti river is flowing in extreme flood situation with falling trend at CWC site Bansi in Siddharth Nagar district. Currently water levels at the said station is 0.2 m above its previous HFL (attained in August, 2017), as per CWC forecast by 03.09.2021 08:00 AM the water level is expected to fall to 85.85 m. River **Gandak** in **Kushinagar** district is flowing in above normal flood situation with falling trend. Main Ganga is flowing in severe to above normal flood situation in middle reaches such as Budaun and Farrukhabad with falling trend.

2.2.3.2 Bihar

Presently, river **Ghagra** is flowing above Danger Level in **Siwan** district with rising trend. River **Gandak** in **Purba Champaran, Gopalganj, Vaishali & Muzaffarpur**, River **Burhi Gandak** in **Purba Champaran, Muzaffarpur, Samastipur & Khagaria**, River **Bagmati** in **Muzzafarpur & Darbhanga**, River **Adhwara** in **Darbhanga**, Rivers **Kamla & Kamlabalan** in **Madhubani**, River **Kosi** in **Supaul, Khagaria & Katihar**, River **Parman** in **Araria** and River **Mahananda** in **Kishanganj, Purnia & Katihar districts** are flowing in severe to above normal flood situations. Rivers such as Gandak, Kosi & Mahananda are flowing in rising trends in upper reaches and in falling trends in middle and lower reaches. Burhi Gandak is flowing in falling trend in upper reaches and in rising trend in lower reaches. Bagmati, Adhwara & Kamla, is having falling trend at all CWC stations located in upper and lower reaches. River Parman is in falling trends.

Presently, main Ganga River is flowing in above normal to severe flood situations in districts **Patna, Munger & Bhagalpur** districts with rising trends. As the tail end sites of northern side tributaries of Ganga such as Ghagra, Gandak, Kosi are in severe flood situations, the existing flood situation in Ganga from Patna to Murshirabad is likely to continue for coming days. River **Punpun** in **Patna** district is also flowing above warning level with falling trend.

2.2.4.3 Jharkhand

Main Ganga in **Sahibganj** district is flowing above danger level with rising trend.

2.2.4.4 West Bengal

Main Ganga in **Murshirabad** district is flowing above danger level with rising trend

2.2.5 Brahmaputra and its tributaries

2.2.5.1 Assam

Due to past one week rainfall, **Brahmaputra** main river is flowing in above normal to severe flood situations in **Dibrugarh, Jorhat, Sonitpur, Goalpara, Kamrup & Dhubri** districts with falling trends. Also tributaries of Brahmaputra namely **Beki** river in **Barpeta**, **Jia-Bharali** river in **Sonitpur** districts are flowing in above normal to severe flood situations with falling trends. Due to last day's heavy rainfall happened in Sub-Himalayan West Bengal and neighbouring Assam the river **Subbansiri** in **Lakhimpur**, river **Gaurang** at **Kokrajhar**, river **Sankosh** in **Dhubri**, river **Pagladiya** in **Nalbari**, river **Puthimari** in **Kamrup** are in above normal to severe flood situations with rising trends. Alert may be kept in districts **Kokrajhar and Biswanath**.

2.2.5.2 West Bengal

River Torsa in **Coochbihar** is flowing in above normal flood situation with falling trend.

2.2.6 Cauvery, Rivers of Tamil Nadu, Tadri to Kanyakumari – Kerala and Tamil nadu

2.2.6.1 Kerala

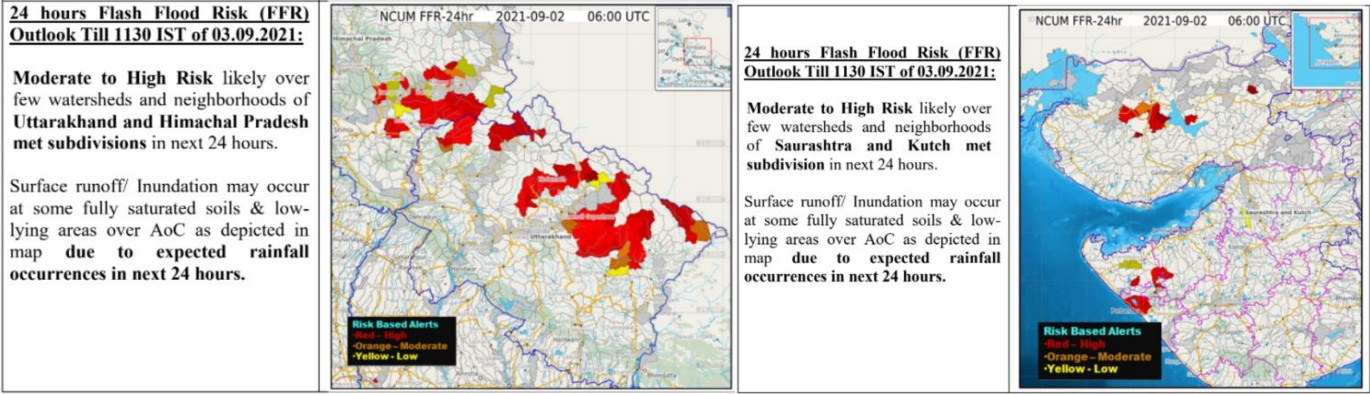
There is rainfall alert in Theni and Nilgris. Heavy inflows are expected in Idukki and Edamalayar dams. As storages are more than 70%, proper reservoir operation as per standard operating manuals should be done after informing downstream areas in advance.

2.2.6.2 Tamil nadu

Alert may be kept in districts **Nilgris, Salem, Erode, Dharmapuri, Krishnagiri, Thiruppattar, Thiruvannamalai, Dindigul, Teni** and Vellore in rivers Vaniyar, Bhavani, Chittar, Cauvery, Palar, Ponnaiyar etc.

2.3 Flash Flood Guidance

IMD has issued Flash Flood Guidance of moderate to high risk over few watersheds and neighborhoods of Uttarakhand and Himachal Pradesh and also over few watersheds of Saurashtra and Kutch in next 24 hours.



3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 2nd September, 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(Tel)/Guntoor,Krishna (AP) | | | | | |
| 2 | Srisaillam | Krishna/Lower Krishna/Krishna | AP | JogulambaGadwal (Tel), Kurnool(AP)/Nalgonda(Tel), Guntoor (AP) | | | | | |
| 3 | NagarjunaSagar | Krishna/Lower Krishna/Krishna | AP | Nalgonda(Tel), Guntoor (AP) | | | | | |
| 4 | Musi | Musi/Lower Krishna/ Krishna | Tel | Nalgonda | | | | | |
| 5 | Sri PadaYellampally | Godavari/Middle Godavari/Godavari | Tel | Mancherial/ JaishankarBhupalpally | | | | | |
| 6 | Sriramsagar Project | Godavari/Middle Godavari/Godavari | Tel | Nanded (Mah)/Nirmal (Tel) | | | | | |
| 7 | Kaddam | Kaddam/Middle Godavari/Godavari | Tel | Adilabad, Nirmal/ Mancherial | | | | | |
| 8 | PD Jurala | Krishna/ Middle Krishna/Krishna | Tel | Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Tel) | | | | | |
| 9 | Singur | Manjira/Manjira/Godavari | Tel | Medak | | | | | |
| 10 | Panchet | Damodar/ Damodar East/ Ganga | Jhar | Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB) | | | | | |
| 11 | Getalsud | Damodar/ Damodar West/Ganga & its tributaries | Jhar | Bokaro (Jharkand) | | | | | |
| 12 | Konar | Konar/ Damodar West/Ganga & its tributaries | Jhar | Hazaribagh (Jharkand) | | | | | |
| 13 | Tilaiya | Barakar/ Barakar West/Ganga & its tributaries | Jhar | Koderma (Jharkand) | | | | | |
| 14 | Maithon | Barakar/ Barakar East/Ganga | Jhar | Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB) | | | | | |
| 15 | Kabini | Kabini/Kabini/Cauvery | Kar | Wayanad (Kerala)/ Mysuru (Kar) | | | | | |
| 16 | Harangi | Cauvery/Upper Cauvery/Cauvery | Kar | Kodagu/Mandya | | | | | |
| 17 | Karanja | Karanja/Manjira/Godavari | Kar | Bidar (Kar), Vikarabad(Tel)/Bidar(Kar) | | | | | |
| 18 | Almatti | Krishna/Upper Krishna/Krishna | Kar | Kolhapur(Mah)/ Bagalkote(Kar) | | | | | |
| 19 | Narayanpur | Krishna/Upper Krishna/Krishna | Kar | Bagalkot, Vijayapura/ Raichur, Yaadgir | | | | | |
| 20 | KRS | Cauvery/Middle Cauvery/Cauvery | Kar | Mandya, Mysore | | | | | |
| 21 | Tungabhadra | Tungabhadra/Middle Tungabhadra/Krishna | Kar | Gadag/Bellary, Koppal, Raichur | | | | | |
| 22 | Hemavathy | Hemavathy/ Hemavathy/Cauvery | Kar | Hassan, Kodagu/Mandya, Mysore | | | | | |
| 23 | Bhadra | Bhadra/Upper Tungabhadra/Krishna | Kar | Chikmagaluru/Shimoga | | | | | |
| 24 | Hidkal | Ghataprabha/Ghataprabha/Krishna | Kar | Kolhapur (Mah)/ Belgaum (Kar) | | | | | |
| 25 | Malaprabha | Malaprabha/Malaprabha/Krishna | Kar | Belgaum | | | | | |
| 26 | Warana | Warana/Upper Krishna/Krishna | Mah | Kolhapur, Sangli | | | | | |
| 27 | Koyna | Koyna/ Upper Krishna/Krishna | Mah | Satara/Kolhapur, Sangli | | | | | |
| 28 | Yeldari | Purna/Purna/Godavari | Mah | Parbhani, Hingoli | | | | | |
| 29 | Totladoh | Pench/Wainganga/Godavari | Mah | Chindwara(MP)/Nagpur(Mah) | | | | | |
| 30 | Isapur | Penganga/Penganga/Godavari | Mah | Hingoli, Yavatmal/Yavatmal,Nanded | | | | | |
| 31 | Upper Wardha | Wardha/Wardha/Godavari | Mah | Wardha, Amravati | | | | | |
| 32 | Veer | Nira/Upper Bhima/Krishna | Mah | Pune, Satara | | | | | |
| 33 | Ujjani | Bhima/Upper Bhima/Krishna | Mah | Pune, Solapur | | | | | |
| 34 | Mula | Mula/Upper Godavari/Godavari | Mah | Ahmadnagar | | | | | |
| 35 | Rana Pratap Sagar | Chambal/Upper Chambal/Ganga | Raj | Neemuch(MP)/Dholpur,Kota, Bundi(Raj) | | | | | |
| 36 | Parwati | Parbati/Kalisindh/Kalisindh/Upper Chambal | Raj | Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP) | | | | | |

| | | | | | | | | | |
|----|------------------|---|--------|--|--|--|--|--|--|
| 37 | Panchana | Gambhiri/Upper Chambal/Ganga | Raj | Karauli | | | | | |
| 38 | Gudha | Mejchambal/UpperChambal/Ganga | Raj | Bhilwara/Bundi | | | | | |
| 39 | Kalisindh | Kalisindh/Upper Chambal/Ganga | Raj | Jhalawar, Kota | | | | | |
| 40 | Som Kamla Amba | Som/Mahi B/Mahi | Raj | Udaipur/ Dungarpur | | | | | |
| 41 | Mahi Bajaj Sagar | Mahi/Mahi B/Mahi | Raj | Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj) | | | | | |
| 42 | Vaigai | Vaigai/Upper Vaigai/EF Rivers b/w Cauvery &Kanyakumari | TN | Theni/Madurai | | | | | |
| 43 | Bhavanisagar | Bhavani/Middle Cauvery/Cauvery | TN | Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN) | | | | | |
| 44 | Idukki | Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari | Kerala | Idduki/Ernakulam | | | | | |
| 45 | Edamalyar | Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari | Kerala | Ernakulam | | | | | |
| 46 | Bargi | Narmada/Upper Narmada/Narmada | MP | Mandla, Seoni/Jabalpur, Narsimhapur | | | | | |
| 47 | Tawa | Tawa/Middle Narmada/Narmada | MP | Betul,Hoshnabad/Sehore | | | | | |
| 48 | Gandhi Sagar | Chambal/Upper Chambal/Ganga | MP | Mandsaur,Neemuch(MP)/Dholpur(Raj) | | | | | |
| 49 | Rajghat | Betwa/Betwa/Ganga | MP | Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP) | | | | | |
| 50 | Bansagar | Sone/Sone/Ganga | MP | Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi | | | | | |
| 51 | Sanjay Sarovar | Wainganga/Wainganga/Godavari | MP | Seoni/Balaghat | | | | | |
| 52 | Rengali | Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni | Odisha | Deogarh/Angul, Dhenkanal | | | | | |
| 53 | Hirakud | Mahanadi/Upper Mahanadi/Mahanadi | Odisha | Janjgir Champa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha) | | | | | |
| 54 | Ukai | Tapi/Lower Tapi/Tapi | Guj | Nadurbar(Mah), Tapi(Guj)/ Surat (Guj) | | | | | |
| 55 | Madhuban | Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri | Guj | Valsad (Guj)/Selvasa (UT of DNH) | | | | | |

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.