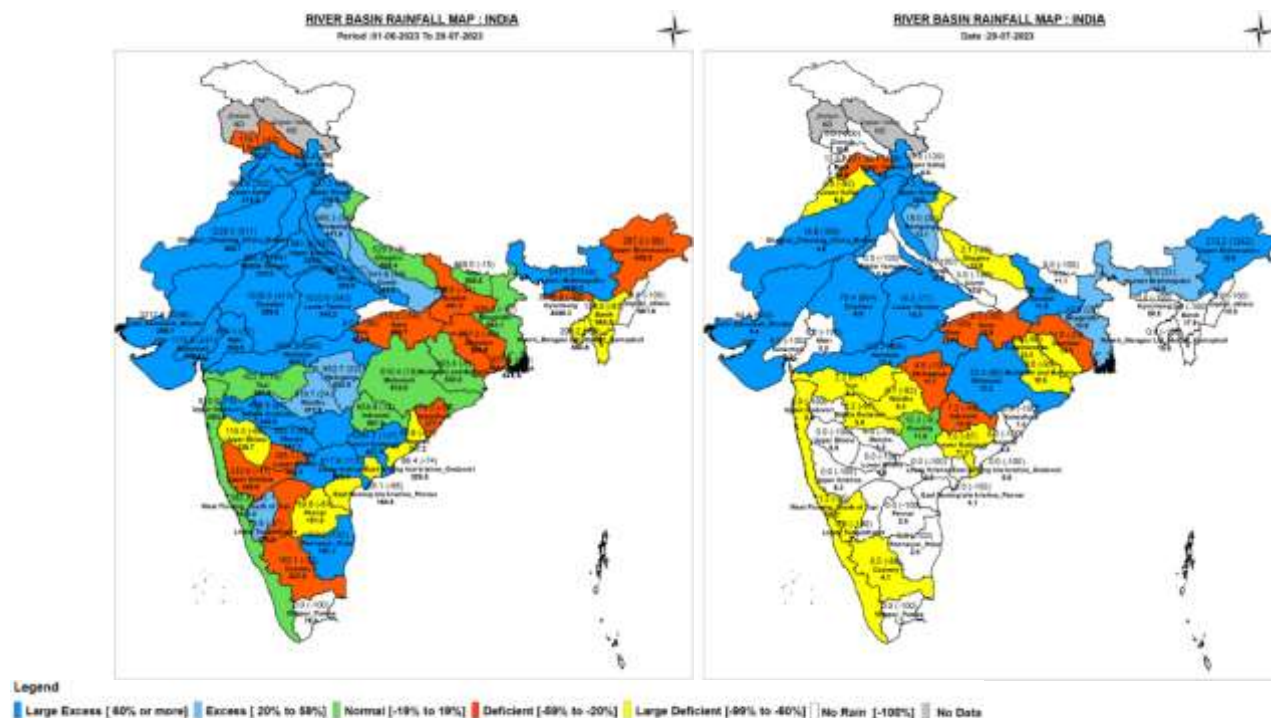




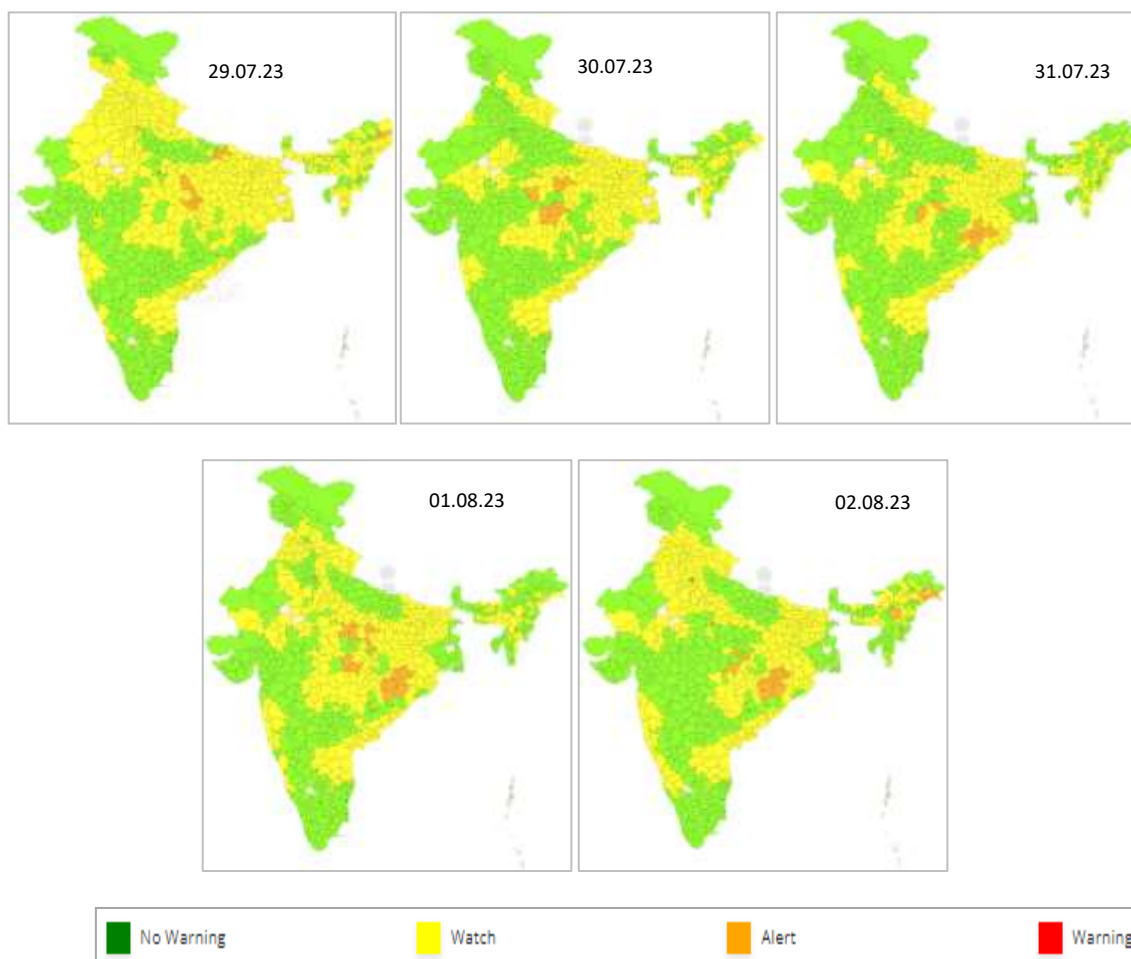
Central Water Commission
Daily Flood Situation Report cum Advisories
29-07-2023

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 29th July 2023 (Midday) by IMD



2.0 Flood Situation and Advisories

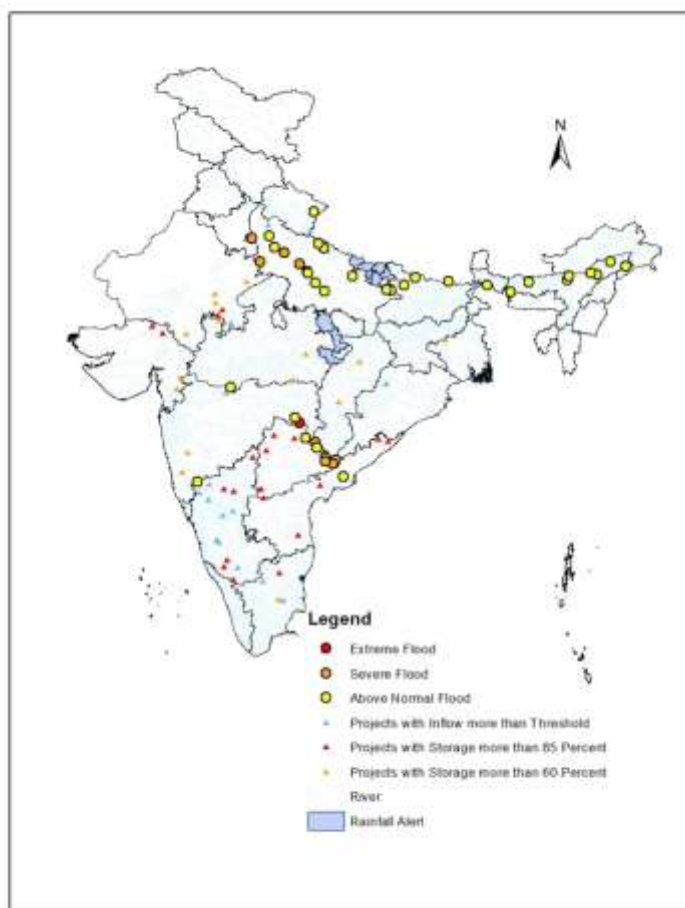
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 29th July 2023, 01 stations in Telangana is flowing in Extreme Flood Situation, 08 stations (03 in Uttar Pradesh, 2 each in Telangana & Andhra Pradesh and 01 in Assam) are flowing in Severe Flood Situation, 23 stations (06 in Assam, 07 in Uttar Pradesh, 04 in Bihar, 02 in Telangana, 01 each in Andhra Pradesh, Delhi, Maharashtra & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 34 Dams and Barrages (13 in Karnataka, 06 in Telangana, 3 each in Uttar Pradesh, Tamil Nadu & Andhra Pradesh, 02 in Uttarakhand and 1 each in Odisha, Rajasthan, Maharashtra & Gujarat).

| 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) | Telangana(1) | 1 |
| B | Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL)) | Andhra Pradesh(2), Assam(1), Telangana(2), Uttar Pradesh(3) | 8 |
| 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(4), Delhi(1), Maharashtra(1), Telangana(2), Uttar Pradesh(7), West Bengal(1) | 23 |
| Total number of sites above Warning Level (A+B+C) | | | 32 |
| 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(1), Karnataka(13), Maharashtra(1), Odisha(1), Rajasthan(1), Tamil Nadu(3), Telangana(6), Uttar Pradesh(3), Uttarakhand(2) | 34 |

Details are given at link: https://cwc.gov.in/sites/default/files/cfrcwcdfb29.07.2023_6.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

Telangana

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 (Kumaram Bheem dist.), Godavari main stem (Adilabad, Bhupalpally, Mulugu dists.). All the cascading dams located on Godavari main stem from Sriramsagar (Nizamabad dist.) to P.V.N.Roa Kantanapally (Mulugu dist.) are getting heavy inflows. In Krishna basin, extreme flood situation has been reported from Musi river (Nalgonda dist.). Flooding situation is expected to be normal in next 2 to 3 days. Godavari at CWC site Sirpur town in Kumaram Bheem district is in Extreme Flood situation with falling trend and it is expected to further fall to 161.4m by 0900 AM of 30.07.2023.

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

| CWC Site | River | District | Flood Type | Trend in Water Level |
|--------------|----------|--------------|------------|----------------------|
| Sirpur Town | Wardha | KumaramBheem | Extreme | Falling |
| Bhadrachalam | Godavari | Bhadradi | Severe | Rising |
| Dummagudem | Godavari | Bhadradi | Severe | Rising |
| Perur | Godavari | Mulugu | Severe | Falling |

Karnataka

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.

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 almost steady state and expected to be 205.32 m by 2300hrs of 29.07.2023.

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

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 Alluri Sitarama Raju & **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 | Rising |
| Dowlaiswaram | Godavari | East Godavari | Above Normal | Rising |
| Chinturu | Godavari | Alluri Sitharama Raju | Above Normal | Rising |

Uttarakhand

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 |
|----------|-------|----------|--------------|----------------------|
| Raysi | Ganga | Haridwar | 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 |

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 |
| Neamatighat | Brahmaputra | Jorhat | Above Normal | Rising |
| Badatighat | Brahmaputra | Lakhimpur | Above Normal | Rising |

Maharashtra

Current flood situation as per CWC network is given below:

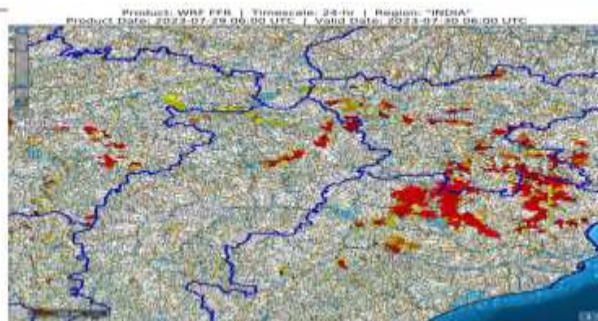
| CWC Site | River | District | Flood Type | Trend in Water Level |
|----------|------------|----------|-----------------|----------------------|
| Terwad | Panchganga | Kolhapur | Above Normal | Rising |

2.3 Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 30-07-2023 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **North Chhattisgarh, East Madhya Pradesh, Odisha and Jharkhand** Met Sub-divisions during next 24 hours.

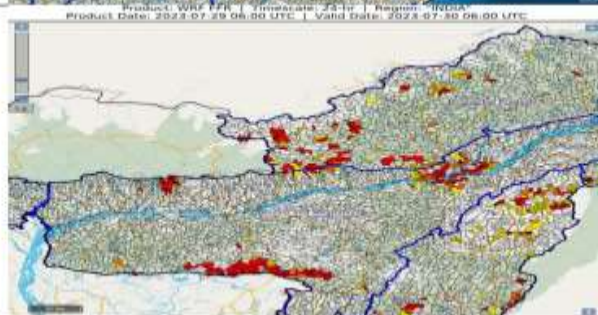
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 30-07-2023 :

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

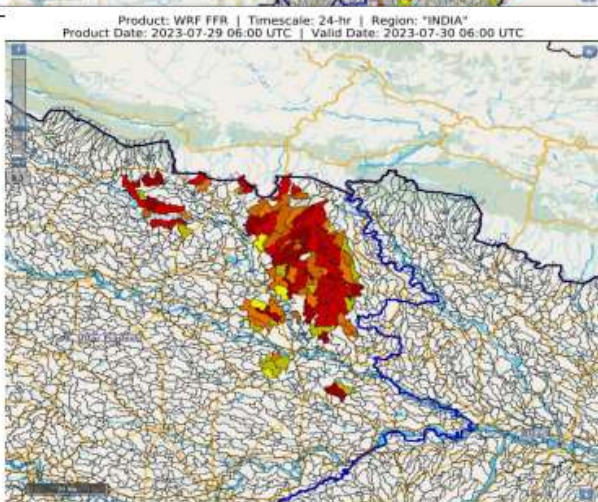
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 30-07-2023 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of **East Uttar Pradesh** 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 | 30-07-23 | 31-07-23 | 01-08-23 | 02-08-23 | 03-08-23 | 04-08-23 | 05-08-23 |
|-------|-----------------------|-------------|--------------|---------------|----------|----------|----------|----------|----------|----------|----------|
| 1 | KACHHLA BRIDGE | GANGA | BUDAUN | Uttar Pradesh | S | E | E | E | S | S | 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 | AN | AN | AN | AN | S | S |
| 4 | ETAWAH | YAMUNA | ETAWAH | Uttar Pradesh | AN | AN | AN | AN | S | S | S |
| 5 | FATEHGARH | GANGA | FARRUKHABAD | Uttar Pradesh | S | S | S | S | S | S | S |
| 6 | MATHURA (PRAYAG GHAT) | YAMUNA | MATHURA | Uttar Pradesh | S | S | S | S | S | S | S |
| 7 | TURTIPAR | GHAGRA | BALLIA | Uttar Pradesh | AN | AN | AN | AN | S | S | S |
| 8 | AYODHYA | GHAGRA | AYODHYA | Uttar Pradesh | AN | AN | AN | AN | AN | AN | AN |
| 9 | DARAULI | GHAGRA | SIWAN | Bihar | AN | AN | AN | AN | AN | AN | AN |
| 10 | ELGIN BRIDGE | GHAGRA | BARABANKI | Uttar Pradesh | AN | AN | AN | AN | AN | AN | S |
| 11 | GARHMUKTESHWAR | GANGA | HAPUR | Uttar Pradesh | AN | AN | AN | AN | AN | AN | AN |
| 12 | KANNAUJ | GANGA | KANNAUJ | Uttar Pradesh | AN | AN | AN | AN | AN | S | S |
| 13 | KANPUR | GANGA | KANPUR NAGAR | Uttar Pradesh | AN | AN | AN | AN | AN | AN | AN |
| 14 | DUMARIAGHAT | GANDAK | GOPALGANJ | Bihar | AN | AN | AN | AN | AN | AN | AN |
| 15 | DHENG BRIDGE | BAGMATI | SITAMARHI | Bihar | AN | AN | AN | AN | AN | AN | S |
| 16 | BEKI ROAD BRIDGE | BEKI | BARPETA | Assam | AN | AN | AN | AN | AN | AN | AN |
| 17 | NEAMATIGHAT | BRAHMAPUTRA | JORHAT | Assam | AN | AN | AN | AN | AN | AN | AN |
| 18 | TEZPUR | BRAHMAPUTRA | SONITPUR | Assam | AN | AN | AN | AN | AN | AN | AN |

| | | | | | | | | | | | |
|----|------------------|-------------|-----------|-------------|----|----|----|----|----|----|----|
| 19 | DHUBRI | BRAHMAPUTRA | DHUBRI | Assam | AN | AN | AN | AN | AN | AN | AN |
| 20 | MEKHLIGANJ (R_B) | TEESTA | KOCHBIHAR | West Bengal | 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 29th 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)/JogalambaGadwal(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 | SardarSarovar 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 PratapSagar | 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 | SomKamlaAmba 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/TehriGarhwal/PauriGarhwal | | | | | |
| 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/JanjgirChampa | | | | | |

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

