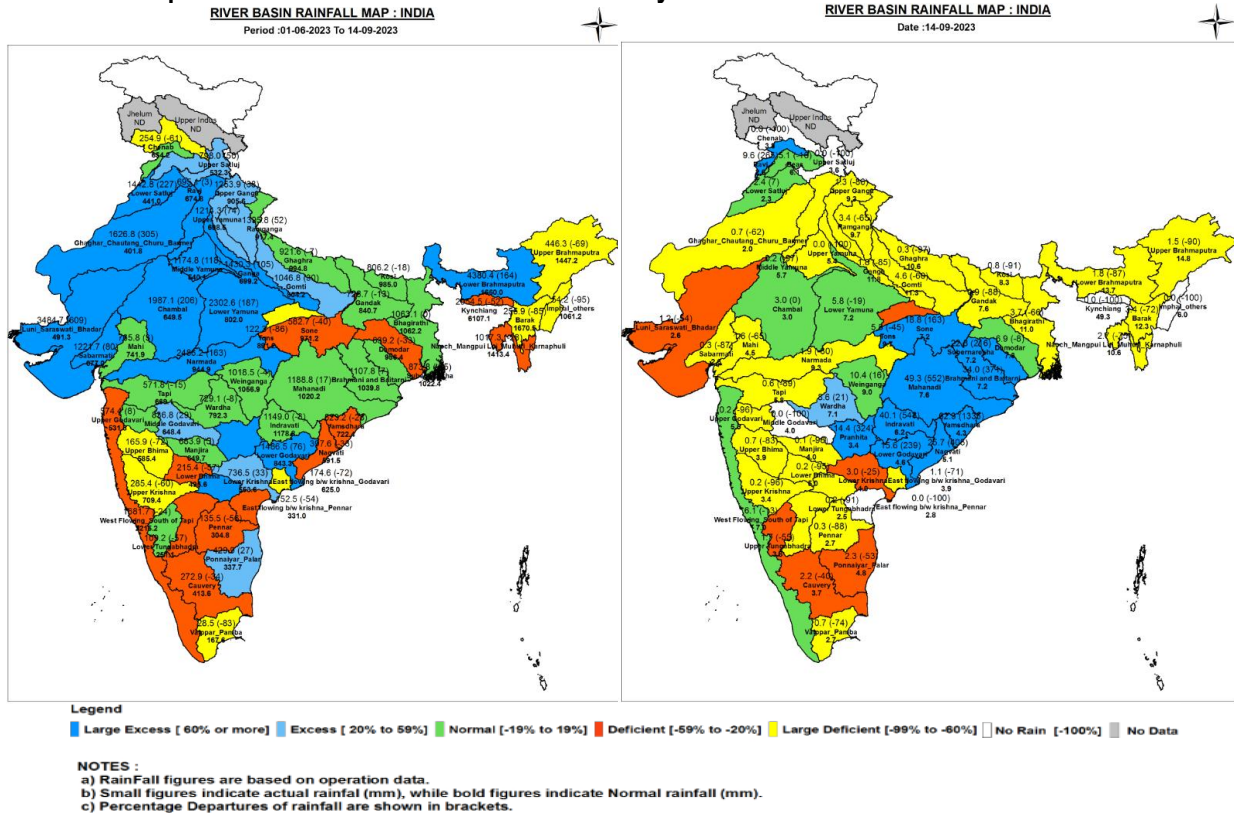




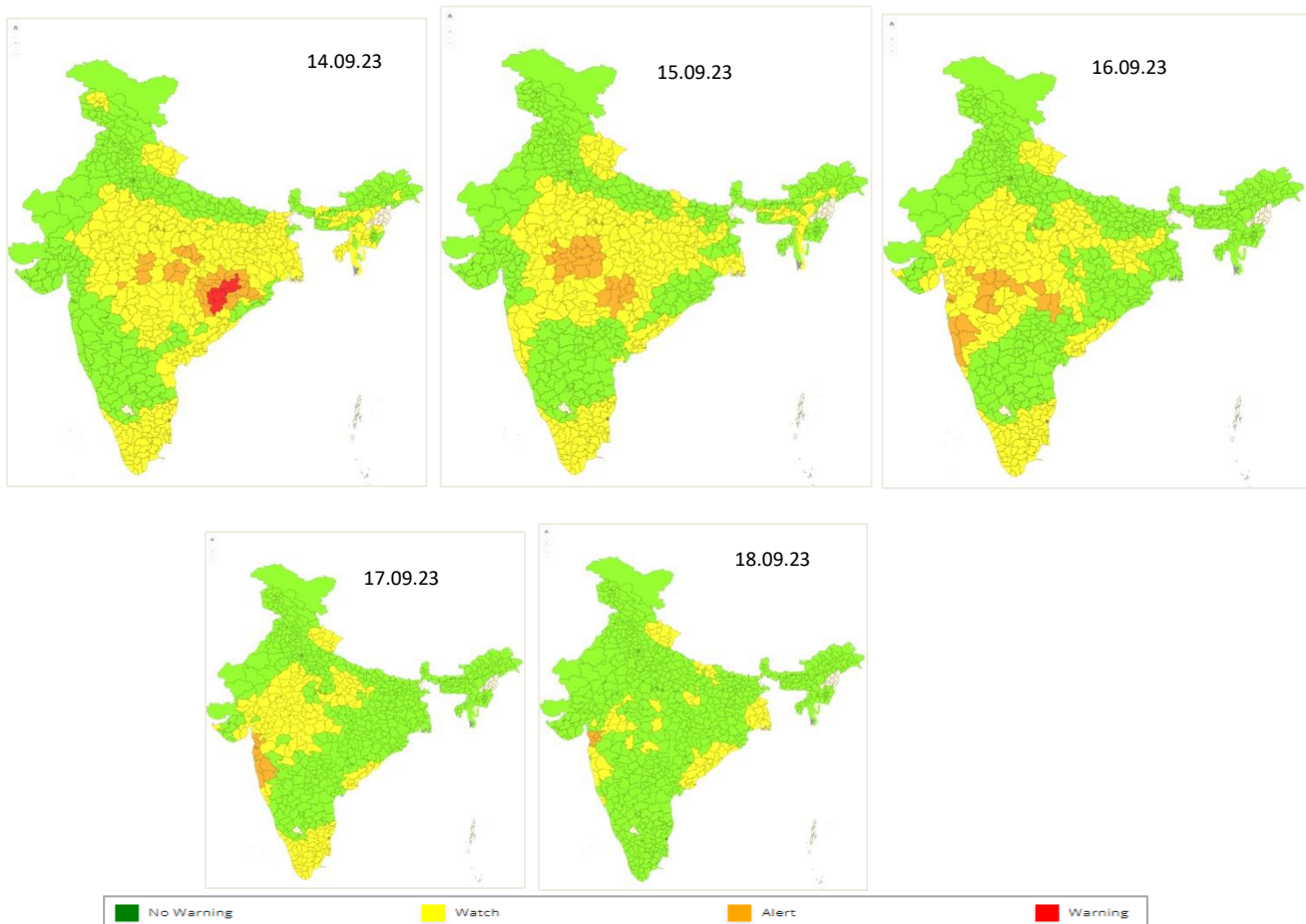
Central Water Commission
Daily Flood Situation Report cum Advisories
14-09-2023

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 14thSeptember 2023 (Midday) by IMD



2.0 Flood Situation and Advisories

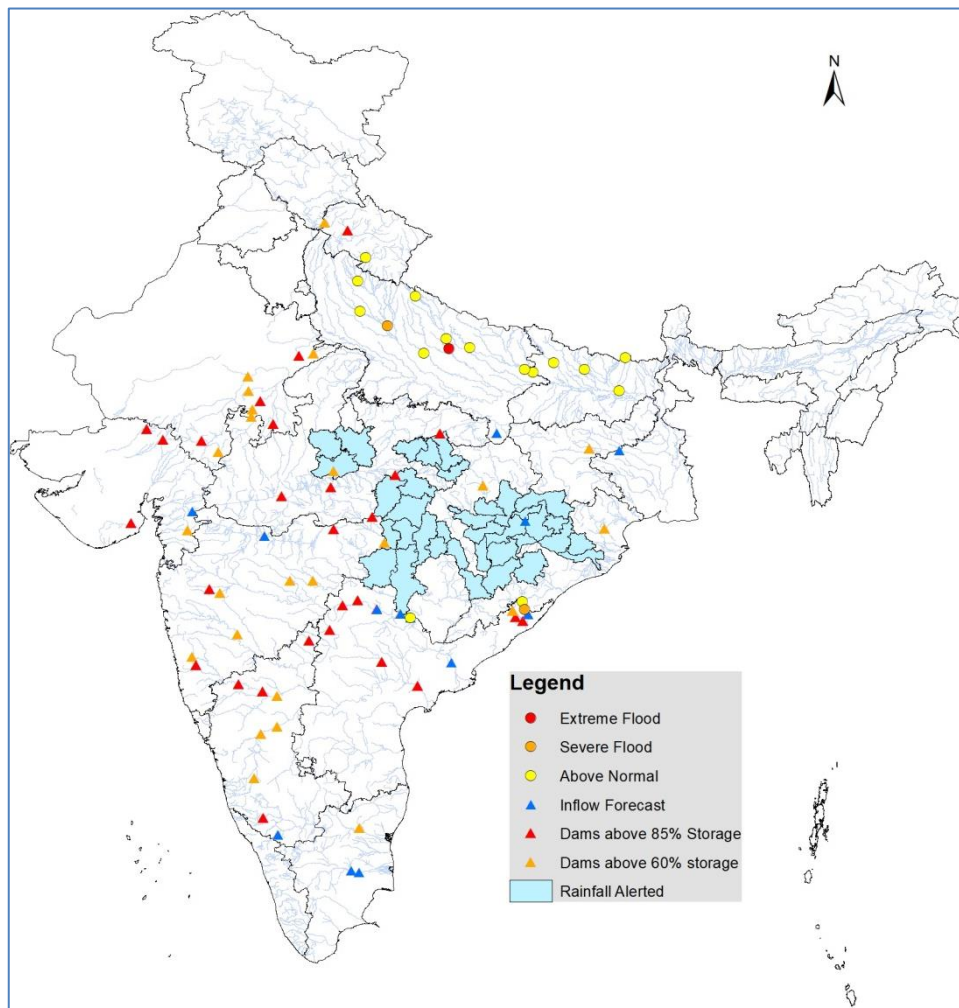
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 14th September, 2023, 2 stations (1 each in Uttar Pradesh & Odisha) are flowing in Severe Flood Situation, 10 stations (5 in Uttar Pradesh, 4 in Bihar & 1 in Odisha) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 13 Dams and Barrages (3 in Telangana, 2 each in Tamilnadu & Andhra Pradesh and 1 each in Gujarat, Jharkhand, Karnataka, Maharashtra, Uttar Pradesh & Odisha).

| PART - I: LEVEL FORECAST | | (Total Sites - 200) | |
|--|---|---|------------------------------|
| 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)) | Odisha(1), Uttar Pradesh(1) | 2 |
| C | Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level) | Bihar(4), Odisha(1), Uttar Pradesh(5) | 10 |
| Total number of sites above Warning Level (A+B+C) | | | 12 |
| PART - II: INFLOW FORECAST | | (Total Sites - 138) | |
| 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), Jharkhand(1), Karnataka(1), Maharashtra(1), Odisha(1), Tamil Nadu(2), Telangana(3), Uttar Pradesh(1) | 13 |

Details are given at link: https://cwc.gov.in/sites/default/files/cfrcwcdfb-14.09.2023_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

Odisha

Due to the presence of Well Marked Low Pressure Area over north Odisha and neighborhood and its movement, very heavy to extremely rainfall is expected over most districts of Odisha for next 2 days. Alert for water level rise may be kept in rivers Indravathi in **Nawrangpur and Rayagada** districts; river Nagavalli in **Kalahandi, Koraput and Rayagada** dists.; river Vamsadhara in **Rayagada, Gajapati** dists.; river Mahanadi in **Nawrangpur, Cuttack, Sundargarh, Jharsuguda, Bargarh, Sambalpur, Anugul, Dhenkanal, Sonepur, Nuapada, Bolangir, Kalahandi, Khandhamal** dists.; river Brahmani in **Cuttack, Angul, Dhenkanal, Sundargarh, Sambalpur** districts. Releases from major/medium projects may be done as per SOP after informing lower riparian regions. Current flood situation in the state as per CWC network is as follows:

| CWC Site | River | District | Flood Type | Trend in Water Level |
|------------|-----------|----------|--------------|----------------------|
| Kashinagar | Vamsadhra | Gajapati | Severe | Falling |
| Gunupur | Vamsadhra | Raigad | Above Normal | Falling |

Chhattisgarh

Very heavy rains are expected in the state for next 48 hours hence keep alert for water level rise in river Mahanadi and its tributaries in districts **Raigarh, Balo Bazar, Janjgir Chamba, Mahasamund, Raipur, Gariaband, Dhamtari, Durg, Rajnandgaon, Balod**; rivers of Godavari in districts **Kanker**.

Madhya Pradesh

Due to the advent of low pressure area over east Madhya Pradesh, very heavy rains are expected in the state for next 2 to 3 days, hence keep alert for water level rise mainly in rivers of Narmada in **Sehore, Chhindwara, Raisen, Narmadapuram, Betul, Harda, Burhanpur, Khandwa, Khargone, Barwani, Alirajpur, Annupur, Shahdol, Narsinghpur, Seoni, Mandla, Dewas** dists.; also keep alert for water level rise in rivers of Betwa in **Bhopal, Vidisha, Raisen, Sehore, Sagar** dists.; river Tapi in **Betul, Burhanpur, Khandwa, Khargone, Barwani** dists.; rivers of Chambal in **Bhopal, Vidisha, Indore, Dewas, Shajapur, Agar Malwa** dists.; rivers of Wainganga in **Balaghat, Mandla, Seoni, Chhindwara** dists.; river Sone in **Katni, Umaria, Shahdol, Annupur** district.

Uttar Pradesh

Current flood situation in the state as per CWC network is as follows:

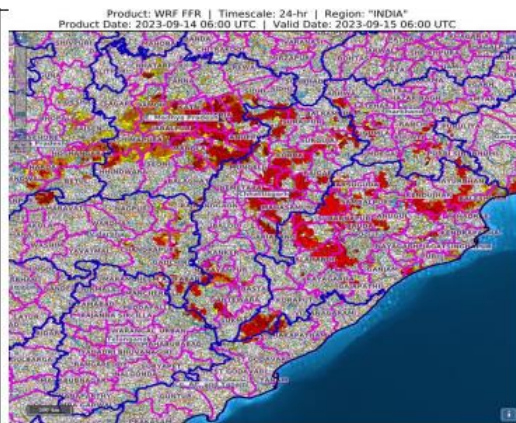
| CWC Site | River | District | Flood Type | Trend in Water Level |
|---------------|-----------|-------------|--------------|----------------------|
| Ramsanehighat | Kalyani | Barabanki | Extreme | Rising |
| Dabri | Ramganaga | Shahjhanpur | Severe | Rising |
| Turtipar | Ghagra | Ballia | Above Normal | Steady |
| Ayodhya | Ghagra | Ayodhya | Above Normal | Falling |
| Elginbridge | Ghagra | Barabanki | Above Normal | Falling |
| Kachhlabridge | Ganga | Budaun | Above Normal | Falling |

2.3.Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 15-09-2023 :

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

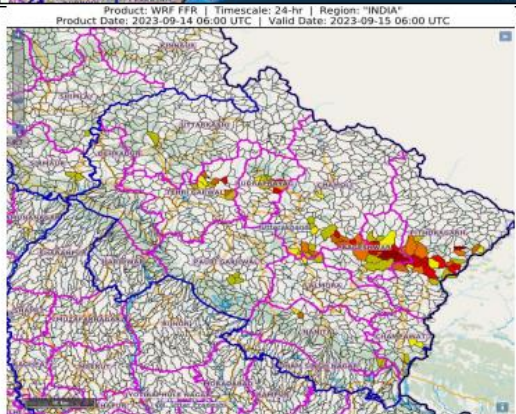
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 15-09-2023 :

Low flash flood risk likely over few watersheds & neighbourhoods of **Uttarakhand** 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 | 15-09-2023 | 16-09-2023 | 17-09-2023 | 18-09-2023 | 19-09-2023 | 20-09-2023 | 21-09-2023 |
|------|--------------------------------|------------|---------------|----------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | BENIBAD | BAGMATI | MUZAFFARPUR | Bihar | AN | AN | AN | S | S | S | S |
| 2 | DARAULI | GHAGRA | SIWAN | Bihar | AN | AN | AN | S | S | S | S |
| 3 | TURTIPAR | GHAGRA | BALLIA | Uttar Pradesh | AN | S | S | S | S | S | S |
| 4 | AKHUAPADA | BAITARANI | BHADRAK | Odisha | AN | AN | S | S | S | S | S |
| 5 | GUNUPUR | VAMSADHARA | RAYAGADA | Odisha | AN | S | AN | AN | AN | AN | S |
| 6 | KASHINAGAR | VAMSADHARA | GAJAPATI | Odisha | S | S | S | S | S | S | S |
| 7 | SRIKAKULAM | NAGAVALI | SRIKAKULAM | Andhra Pradesh | AN | AN | S | S | S | S | S |
| 8 | DOWLAISWARAM (STATE GOVT SITE) | GODAVARI | EAST GODAVARI | Andhra Pradesh | AN | AN | AN | AN | AN | AN | AN |
| 9 | AYODHYA | GHAGRA | AYODHYA | Uttar Pradesh | AN | AN | AN | AN | AN | AN | AN |
| 10 | DUMARIAGHAT | GANDAK | GOPALGANJ | Bihar | AN | AN | AN | AN | AN | AN | AN |
| 11 | MORADABAD | RAMGANGA | MORADABAD | Uttar Pradesh | 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 14th September 2023

Reservoirs Position

| | |
|-------------------|--|
| 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/DSDistrict | Rainfall situation | | | | |
|---------|-----------------------|---|-------|---|--------------------|------|------|------|-------|
| | | | | | Day1 | Day2 | Day3 | Day4 | Day 5 |
| 1. | Musi | Musi/Lower Krishna/Krishna | Tel | Nalgonda | | | | | |
| 2. | Sripada Yellampally | Godavari/Midd Godavari/Godavari | Tel | Mancheria/Jaishankar Bhupalpally | | | | | |
| 3. | Singur Dam | Manjira/Manjira/Godavari | Tel | Bidar(Kar)/Sangareddy(Telangana) | | | | | |
| 4. | Laxmi Barrage | Godavari/Lower Godavari/Godavari | Tel | Jaishankar Bhupalpally/Peddapalli/Mulugu | | | | | |
| 5. | Sriramasagar | Godavari/Middle Godavari/Godavari | Tel | Nanded(Mah), Nirmal(Telangana)/Metpally, Mancheria(Telangana) | | | | | |
| 6. | Nizamsagar Dam | Manjira/Manjira/Godavari | Tel | Medak/Kamareddy | | | | | |
| 7. | Kaddam Dam | Kaddam/Middle Godavari/Godavari | Tel | Adilabad, Nirmal/Mancheria | | | | | |
| 8. | PD Jurala | Krishna/Middle Krishna/Krishna | Tel | Raichur (Kar)/Jogalamba Gadwal(Tel) | | | | | |
| 9. | Thottapalli Reservoir | Vaigai/Upper Vaigai/East flowing rivers south of Cauvery Basin | AP | Vizianagaram | | | | | |
| 10. | Madduvalasa Reser. | Maddigedda//East Flowing Rivers between Mahanadi and Godavari | AP | Vizianagaram | | | | | |
| 11. | Gotta Barrage | Vamsadhara/Vamsadhara/EFR (Mahanadi to Pennar) | AP | Srikakulam | | | | | |
| 12. | Prakasam Barrage | Krishna//Lower Krishna/Krishna | AP | Krishna/Guntur | | | | | |
| 13. | Sunkesula | Tungabhadra/Krishna | AP | Kurnool/Raichur(Kar)/Jogalamba Gadwal(Tel) | | | | | |
| 14. | Karanja Dam | Karanja/Manjira/Godavari | kar | Bidar(Kar), Vikarabad(Tel)/Bidar(Kar) Bidar | | | | | |
| 15. | Kabini | Kabini/Kabini/Cauvery | Kar | Wayanad(Ker)/Mysuru(Kar) | | | | | |
| 16. | Harangi Dam | Harangi/Harangi/Cauvery | Kar | Kodagu/Mysuru, Hassan | | | | | |
| 17. | Bhadra Dam | Bhadra/Upper Tungabhadra/Krishna | Kar | Chikmagalur/Shimoga | | | | | |
| 18. | Almatti Dam | Krishna/Upper Krishna/Krishna | Kar | "Kolhapur(Maharashtra)/Bagalkote(Kar)" | | | | | |
| 19. | Tungabhadra Dam | Tungabhadra/Mid Tung/Krishna | Kar | Gadag/Bellary, Koppal, Raichur | | | | | |
| 20. | Hipparagi Barrage | Krishna/Upper Krishna/Krishna | Kar | Bagalkot, Koppal, Raichur | | | | | |
| 21. | Narayanpur Dam | Krishna/Upper Krishna/Krishna | Kar | Bagalkot, Raichur | | | | | |
| 22. | Singatalur Barrage | Tungabhadra/Krishna/Krishna | Kar | Gadag, Vijayanagara, Dharwad | | | | | |
| 23. | Sathnur | Ponnaiar/Middle South Pennar/East Flowing rivers between Pennar and Cauvery Basin | TN | Vizianagaram | | | | | |
| 24. | Dantiwada Dam | Banas/Western Flowing River (Kutch & Saurashtra) | Guj | Banaskantha | | | | | |

| | | | | | | | | | |
|-----|-------------------------------|--|-----|---|--|--|--|--|--|
| 25. | DharoiDam | Sabarmati/SabarmatiBasin | Guj | Mehsana | | | | | |
| 26. | ShetrunjiDam | Shetrunji/WFR(Kutch&Saurashtra) | Guj | Bhavnagar | | | | | |
| 27. | SardarSarovarDam | Narmada/Narmadab/wHosangabaadtoSSP/Narmada | Guj | Nrmada(Guj),Nadurbar(MP)/Narmada,Vadodra,Bharuch(Guj) | | | | | |
| 28. | UkaiDam | Tapi/LowTapi/Tapi | Guj | Nadurbar(Mah),Tapi(Guj)/Surat(Guj) | | | | | |
| 29. | MadhubanDam | Damanganga/Damanganga | Guj | Valsad(Guj)/Selvasa(UTofDNH) | | | | | |
| 30. | UpperWardhaProject | Wardha/Wardha/Godavari | Mah | Wardha,Amravati | | | | | |
| 31. | NMDWeir | Godavari/UpperGodavari/Godavari | Mah | Nasik,Ahmadnagar | | | | | |
| 32. | TotladohProject | Pench/Wainganga/Godavari | Mah | Chindwara(MP)/Nagpur(Mah) | | | | | |
| 33. | Gosikhurd Dam | Wainganga/Wainganga/Godavari | Mah | Nagpur, Bhandara/Chandrapur, Gadchiroli | | | | | |
| 34. | Yeldari Dam | Purna/Purna/Godavari | Mah | Hingoli, Parbhani/Nanded | | | | | |
| 35. | WaranaDam | Warnariver/UpperKrishna/Krishna | Mah | Sangli,Kolhapur | | | | | |
| 36. | Issapur/UpperPengangaProject | Kayadhu/Penganga/Godavari | Mah | Hingoli,Yavatmal | | | | | |
| 37. | HathnurDam | Hatnur/UpperTapi/Tapi | Mah | Burhanpur(MP)/Jalgaon(Mah) | | | | | |
| 38. | MulaDam | Mula/UpperGodavari/Godavari | Mah | Ahmadnagar | | | | | |
| 39. | KoynaDam | Koyna/UpperKrishna/Krishna | Mah | Satara | | | | | |
| 40. | Ujjani Dam | Bhima/Upper Bhima/Krishna | Mah | Pune, Solapur | | | | | |
| 41. | RanaPratapSagar | Chambal/UpperChambal/Ganga | Raj | Neemuch(MP)/Dholpur,Kota,Bundi(Raj) | | | | | |
| 42. | KotaBarrage | Chambal/UpperChambal/Ganga | Raj | Neemuch(MP)/Dholpur,Kota,Bundi(Raj) | | | | | |
| 43. | BisalpurDam | Banas/MiddleChambal/Ganga | Raj | Bhilwara/Tonk | | | | | |
| 44. | GudhaDam | Mejchambal/MiddleChambal/Ganga | Raj | Bhilwara/Bundi | | | | | |
| 45. | SomKamlaAmbaDam | Som/MahiB/Mahi | Raj | Udaipur/Dungarpur | | | | | |
| 46. | MahiBajajsagarDam | Mahi/MahiB/Mahi | Raj | Ratlam(MP)/Banswara,Pratapgarh,Dungapur(Raj) | | | | | |
| 47. | PanchanaDam | Gambhiri/LowerChambal/Ganga | Raj | Karauli,Bharatpur | | | | | |
| 48. | ParwatiWeir | Parbati/LowerChambal/Ganga | Raj | Dholpur | | | | | |
| 49. | KalisindhDam | Kalisindh/MiddleChambal/Ganga | Raj | Shajapur,Rajgarh(MP)/Jhalawar(Raj) | | | | | |
| 50. | BargiDam | Narmada/UpperNarmada/Narmada | MP | Mandla,Seoni,Jabalpur,Narsimhapur | | | | | |
| 51. | PenchReservoir | Pench/Godavari | MP | Chhindwara/Seoni | | | | | |
| 52. | BarnaDam | Barna/MiddleNarmada/Narmada | MP | Raisen | | | | | |
| 53. | SanjaySarovarProject(UwenPro) | Wainganga/Wainganga/Godavari | MP | Seoni/Balaghat | | | | | |
| 54. | GandhisagarDam | Chambal/UpperChambal/Ganga | MP | Mandsaur,Neemuch(MP)/Dholpur(Raj) | | | | | |
| 55. | IndiraSagarDam | Narmada/Narmadab/wHosangabadtoSSP/Narmada | MP | Harda,Dewas,Khandwa/Khargone | | | | | |
| 56. | TawaDam | Tawa/MiddleNarmada/Narmada | MP | Betul,Hoshnabad/Sehore | | | | | |
| 57. | Bansagar | Sone/UpperSone/Ganga | MP | Shahdol | | | | | |

| | | | | | | | | | |
|-----|-------------|---|-------------|---|--|--|--|--|--|
| 58. | RajghatDam | Betwa/Betwa/Ganga | MP | AshokNagar | | | | | |
| 59. | TehriDam | Bhagirathi/Ganga/Ganga | UK | Uttarkashi/TehriGarhwal/PauriGarhwal | | | | | |
| 60. | IchariDam | Tons/Yamuna/Ganga | UK | Dehradun/Nahan(HP) | | | | | |
| 61. | Bango | Hasdeo/UpperMahanadi/Mahanadi | Chhatisgarh | Koriya,Korba/JanjgirChampa | | | | | |
| 62. | HirakudDam | Mahanadi/UMahanadi/Mahanadi | Odisha | JanjgirChampa,Raigarh(Chh),Sambalpur(Odi) | | | | | |
| 63 | SalandiDam | Salandi/Brahmaniand Baitarni/BrahmaniandBaitarni | Odisha | Mayurbhanj,Kendujhar/Bhadrak | | | | | |
| 64 | TenughatDam | Damodar/Damodar/Ganga | Jharkhand | Bokaro | | | | | |

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