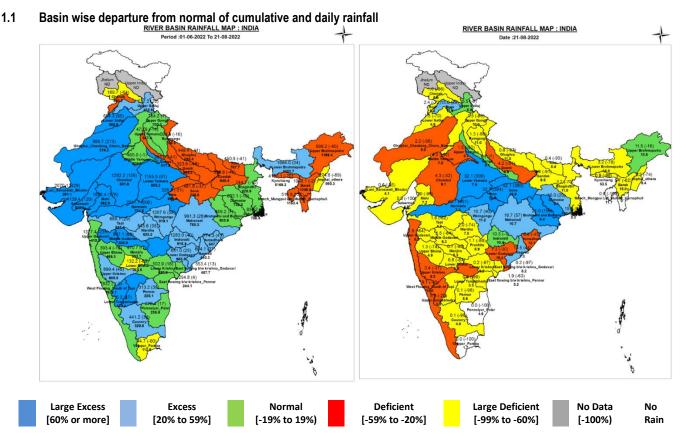


Central Water Commission Daily Flood Situation Report cum Advisories 21-08-2022

1.0 Rainfall Situation

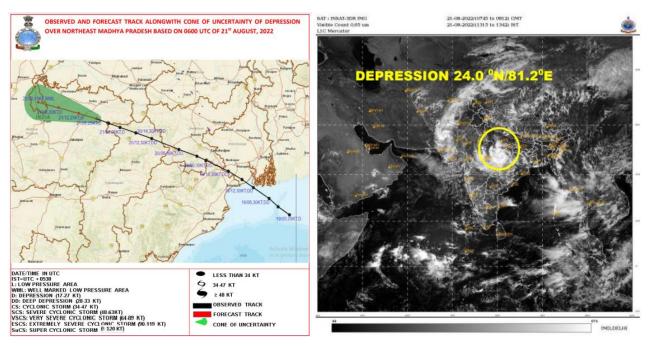


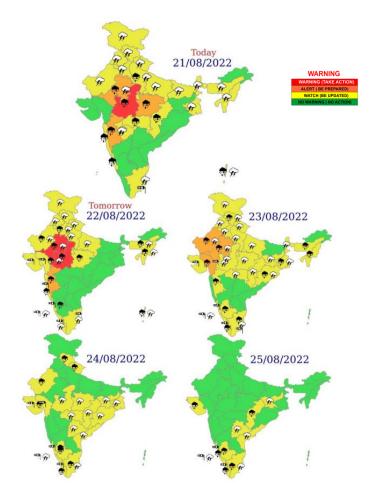
Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)

b) Percentage departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 21st August 2022 (Midday) by IMD

The Depression over Northwest Chhattisgarh and adjoining Northeast Madhya Pradesh moved west-north-westwards during past 06 hours with a speed of 18 kmph and lay centered at 1130 hrs IST of today, the 21st August, 2022 over Northeast Madhya Pradesh near latitude 24.0°N and longitude 81.2°E, about 60 km north-northeast of Umaria (Madhya Pradesh), 70 km south-southeast of Satna (Madhya Pradesh) and 170 km east of Damoh (Madhya Pradesh). It would continue to move west-northwestwards across north Madhya Pradesh and weaken into a Well Marked Low Pressure Area during next 24 hours.





- i. On 21.08.22, Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over West Madhya Pradesh; heavy to very heavy rainfall at isolated places over East Rajasthan, East Madhya Pradesh and Madhya Maharashtra and
- ii. On 22.08.22, Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over East Rajasthan and West Madhya Pradesh; heavy to very heavy rainfall at isolated places over Madhya Maharashtra and heavy rainfall at isolated places over south Haryana, East Madhya Pradesh, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Konkan & Goa and Coastal Karnataka.

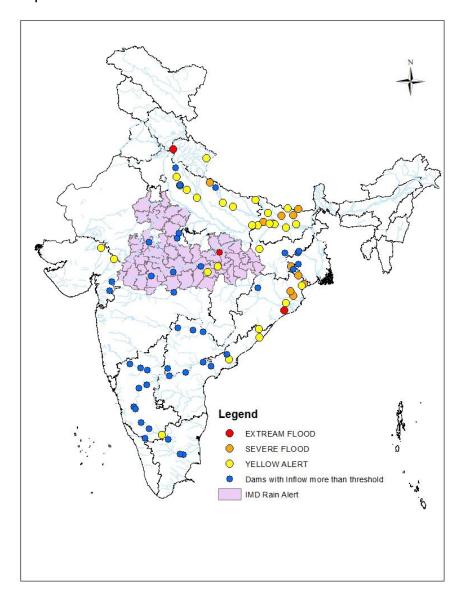
2.0 Flood Situation and Advisories

2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 21st August 2022, 07stations (2 in Odisha & Bihar, 1 each in Jharkhand, Madhya Pradesh, & Uttar Pradesh) are flowing in Severe Flood Situation, 23 stations (10 in Bihar, 7 in Uttar Pradesh, 5 in Odisha, 1 in Andhra Pradesh) are flowing in Above Normal Flood Situation). Inflow Forecast has been issued for 43 Barrage & Dams (10 in Karnataka, 5 in Andhra Pradesh, Jharkhand & Telangana, 4 in Madhya Pradesh & Uttar Pradesh, 3 in Tamilnadu, 2 in Gujarat & Odisha, 1 each in Rajasthan, Maharashtra & West Bengal).

| | FLOOD SITUATION SUMMARY | | | | | | |
|----------------------------|---|--|--|--|--|--|--|
| PART - I: I | LEVEL FORECAST | | | | | | |
| S.No. | S.No. Flood Situations | | | | | | |
| А | Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled) | | | | | | |
| В | Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL)) | | | | | | |
| С | Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level) | | | | | | |
| | Total number of sites above Warning Level (A+B+C) | | | | | | |
| 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) | | | | | | |

2.1.1 Flood Situation Map



2.2 CWC Advisories

Odisha

Although the depression has passed through Odisha, at many parts in the state, rivers are flowing in extreme to above normal flood situation. The flood situation existing in state as per CWC network is as given below:

| District | CWC Site | River | Flood Situation | Water level Trend |
|-----------|-------------------|-------------------------------|-----------------|----------------------|
| Puri | Kanas | Daya (Mahanadi Basin) | Extreme | Steady |
| Bhadrak | Akhuapada | Baitarni | Severe | Steady |
| Baleshwar | Rajghat | Subarnarekha | Severe | Rising |
| Baleshwar | Mathani Rd Bridge | Jalka (Subarnarekha basin) | Severe | Falling |
| Gajapati | Kashinagar | Vamsadhara | Severe | Rising |
| Cuttack | Naraj | Mahanadi | Above Normal | Falling |
| Baleshwar | Govindpur | Burhabalang | Above Normal | Falling |

Madhya Pradesh

In next 2 days all over the state is expected to receive extremely heavy to very heavy rains in almost all districts. Rainfall will be witnessed in the catchment of rivers Chambal, Tapi, Betwa, Ken, Tons, Sone, upper & middle and upper Narmada and Wainganga basin in first 2 days. Hence, alert for water level rise may be kept in all above said rivers and its tributaries in the

state. Major dams with more than 70% storage is listed below. The dams may be operated as per SOP and releases may be done after informing lower riparian areas.

| S.No. | Reservoir Name | District | % Live Storage | S.No. | Reservoir Name | District | % Live Storage |
|-------|-----------------------------|-----------|-------------------|-------|----------------------------------|-------------|-------------------|
| 1 | Madikheda Dam | Shivpuri | 89 | 16 | Mahuar Dam | Shivpuri | 87 |
| 2 | Bansujara Major Project | Tikamgarh | 89 | 17 | Matiyari Dam | Mandla | 82 |
| 3 | Barna Dam | Raisen | 86 | 18 | Omkareshwar Project | Khandwa | 83 |
| 4 | Bawanthadi (Rajiv Sagar) | Balaghat | 78 | 19 | Pagra Tank (Feeder) | Sagar | 86 |
| 5 | Sukta Tank | Khandwa | 94 | 20 | Parasdoh Tank | Betul | 83 |
| 6 | Bilgaon Medium Project | Dindori | 93 | 21 | Pench Diversion | Chindwara | 84 |
| 7 | Datuni Medium Tank | Dewas | 100 | 22 | Rani Awanti Bai Sagar (Bargi) | Jabalpur | 78 |
| 8 | Dejla Dewda Tank | Khargone | 100 | 23 | Gopikrishn Sagar | Guna | 100 |
| 9 | Dholawad Tank | Ratlam | 78 | 24 | Sagad Dam | Vidisha | 90 |
| 10 | Gandhisagar Dam | Mandsaure | 84 | 25 | Samrat Ashok Sagar (Halali) | Vidisha | 100 |
| 11 | Harsi Dam | Gwalior | 78 | 26 | Sanjay Sagar(Bah) Project | Vidisha | 94 |
| 12 | Indira Sagar Project | Khandwa | 89 | 27 | Wainganga (Sanjay Sarovar) | Seoni | 76 |
| 13 | Kaketo Dam | Gwalior | 95 | 28 | Tawa Dam | Hoshangabad | 87 |
| 14 | Kolar Dam | Sehore | 86 | 29 | Thanwar Dam | Mandla | 89 |
| 15 | Kotwal Tank | Morena | 82 | | | | |

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

| District | CWC Site | River | Flood Situation | Water level Trend |
|----------|---------------|--------------------|-----------------|-------------------|
| Sidhi | Naurhia | Tons (Ganga basin) | Extreme | Falling |
| Umaria | Chansura | Sone (Ganga basin) | Extreme | Rising |
| Sidhi | Kuldah bridge | Sone (Ganga basin) | Severe | Rising |
| Mandla | Mandla | Narmada | Severe | Rising |
| Dindori | Dindori | Narmada | Above Normal | Falling |

Rajasthan

Depression over Madhya Pradesh is expected to create very heavy to extremely heavy rainfall scenario in Rajasthan mainly in Chambal, Mahi, Som, Banas & Sabarmati Basins in next 2 to 3 days. Alert for water level rise may be kept in river Banas in Sawai Madhopur, Chittorgarh and Tonk dists., river Chambal in Bundi, Kota, Baran, Jhalawar districts, river Mahi & Som in Dungarpur, Banswada districts, river Sabarmati in Udaipur district.

Gujarat

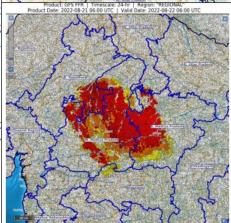
As the upper part of rivers such as Tapi, Narmada, Mahi & Sabarmati are expected to get very heavy rains, alert for water level rise may be kept in Gujarat part of these rivers. Sardar Sarovar and Ukai dam may be operated as per SOP and releases may be done after informing lower riparian areas.

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 22.08.2022:

Moderate Flash Flood Risk over Himachal Pradesh and Uttarakhand Met Sub-divisions likely in next 24 hours.

Moderate to High Flash Flood Risk over West Madhya Pradesh adjoining East Rajasthan Met Sub-division likely in next 24 hours.

Moderate Flash Flood Risk over East Madhya Pradesh Met Sub-division likely in next 24 hours.



Surface runoff/ Inundation may occur at some fully saturated soils & lowlying areas over AoC as depicted in map due to persistent rainfall in next 24 hours.

3.0 Advisory Flood Forecast for next 5-days

The flood situation at Flood Forecasting Stations likely to be above warning level for next 5 days:

| S. | | | | | 22-08- | 23-08- | 24-08- | 25-08- | 26-08- |
|-----|-----------------|-------------|-------------------------|-------------------|--------|--------|--------|--------|--------|
| No. | Station | River | District | State | 2022 | 2022 | 2022 | 2022 | 2022 |
| 1 | NARAJ | MAHANADI | Cuttack | Odisha | S | S | S | S | S |
| | | | | ANDHRA | | | | | |
| 2 | KUNAVARAM | GODAVARI | EAST GODAVARI | PRADESH | S | S | S | AN | AN |
| 3 | AURAIYA | YAMUNA | Jalaun | Uttar Pradesh | N | N | AN | S | S |
| 4 | BALLIA | GANGA | Ballia | Uttar Pradesh | S | S | AN | AN | AN |
| 5 | BANDA | KEN | Banda | Uttar Pradesh | S | S | S | N | N |
| 6 | BASUA | KOSI | Supaul | Bihar | S | S | S | S | S |
| 7 | CHILLAGHAT | YAMUNA | Fatehpur | Uttar Pradesh | AN | S | S | S | S |
| 8 | HAMIRPUR | YAMUNA | Kanpur Nagar | Uttar Pradesh | N | S | S | S | S |
| 9 | HATHIDAH | GANGA | Patna | Bihar | AN | S | S | S | S |
| 10 | KACHHLABRIDGE | GANGA | Budaun | Uttar Pradesh | S | S | S | S | S |
| 11 | KALPI | YAMUNA | Jalaun | Uttar Pradesh | N | N | AN | S | S |
| | | BURHI | | | | | | | |
| 12 | KHAGARIA | GANDAK | Khagaria | Bihar | AN | AN | S | S | S |
| 13 | PATNAGANDHIGHAT | GANGA | Patna | Bihar | AN | S | S | S | S |
| 14 | SHAHIJINA | BETWA | Hamirpur | Uttar Pradesh | N | S | S | S | S |
| 15 | RUNISAIDPUR | BAGMATI | Sitamarhi | Bihar | AN | AN | AN | S | S |
| 16 | DHOLPUR | CHAMBAL | Dholpur | Rajasthan | N | AN | S | S | S |
| 17 | MANDLA | NARMADA | Mandla | Madhya Pradesh | S | S | N | N | N |
| 18 | HOSHANGABAD | NARMADA | Hoshangabad | Madhya Pradesh | N | S | S | N | N |
| 19 | MATHANIRB | JAMIRA | Baleshwar | Odisha | S | S | S | S | S |
| 20 | NIMAPARA | KUSHABHADRA | Puri | Odisha | AN | AN | AN | AN | AN |
| 21 | BHADRACHALAM | GODAVARI | BHADRADRI KOTHAGUDEM | TELANGANA | AN | AN | N | N | N |
| 22 | DOWLAISWARAM | GODAVARI | EAST GODAVARI | ANDHRA PRADESH | AN | AN | AN | N | N |
| 23 | AYODHYA | GHAGRA | Faizabad | Uttar Pradesh | AN | AN | AN | N | N |
| 24 | BALTARA | KOSI | Khagaria | Bihar | AN | AN | AN | AN | AN |
| 25 | BENIBAD | BAGMATI | Muzaffarpur | Bihar | AN | AN | AN | AN | AN |
| 26 | BHAGALPUR | GANGA | Bhagalpur | Bihar | N | N | N | AN | AN |
| 27 | DELHI_RLY_BRG | YAMUNA | North | NCT of Delhi | AN | N | N | N | N |
| 28 | ELGINBRIDGE | GHAGRA | Bahraich | Uttar Pradesh | AN | AN | AN | AN | AN |

| 29 | FATEHGARH | GANGA | Farrukhabad | Uttar Pradesh | AN | AN | AN | AN | AN |
|----|------------------|------------|-------------|---------------|----|----|----|----|----|
| 30 | GHAZIPUR | GANGA | Ghazipur | Uttar Pradesh | AN | N | N | N | N |
| 31 | HARIDWAR | GANGA | Hardwar | Uttarakhand | AN | AN | AN | AN | AN |
| 32 | JHANJHARPUR | KAMLA | Madhubani | Bihar | N | AN | AN | N | N |
| 33 | KAHALGAON | GANGA | Bhagalpur | Bihar | N | AN | AN | AN | AN |
| 34 | KHADDA | GANDAK | Kushinagar | Uttar Pradesh | AN | AN | AN | AN | AN |
| 35 | KURSELA | KOSI | Katihar | Bihar | N | AN | AN | AN | AN |
| 36 | MANER | SONE | Bhojpur | Bihar | AN | AN | AN | AN | AN |
| 37 | SAHIBGANJ | GANGA | Sahibganj | Jharkhand | N | N | AN | AN | AN |
| 38 | TURTIPAR | GHAGARA | Ballia | Uttar Pradesh | AN | AN | AN | AN | AN |
| 39 | DUMARIAGHAT | GANDAK | Gopalganj | Bihar | AN | AN | AN | AN | AN |
| 40 | DHENG_BRIDGE | BAGMATI | Sitamarhi | Bihar | N | AN | AN | AN | AN |
| 41 | BEKI_NH_CROSSING | BEKI | Barpeta | Assam | AN | AN | AN | AN | AN |
| 42 | KHOWANG | BURIDEHING | Dibrugarh | Assam | N | N | N | N | AN |
| 43 | DIBRUGARH | BHRAMPUTRA | Dhemaji | Assam | N | N | N | N | AN |
| 44 | NUMALIGARH | DHANSARI | Golaghat | Assam | N | N | N | AN | AN |
| 45 | PUTHIMARI_NH_X | PUTHIMARI | Kamrup | Assam | N | N | N | AN | AN |
| 46 | BHARUCH | NARMADA | Bharuch | Gujarat | N | N | N | AN | AN |
| 47 | ARARIA | PARMAN | Araria | Bihar | N | N | AN | AN | AN |

Abbreviation: N: Normal Flood Situtation, AN: Normal Flood Situtation, S: Severe Flood Situtation, E: Extreme Flood Situation

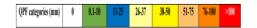
For more details, please visit https://ffs.india-water.gov.in/ for flood forecast monitoring & short range flood forecast and https://aff.india water.gov.in/ for medium range flood forecast. Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled).

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).

4.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 21stAugust2022

Storage above 85%
Storage above 60%



| # | Reservoir/Dams | River/Sub-Basin /Basin | State | US/ DS District | | Rainfall situation | | tion | |
|----|--------------------|---|----------|--|-------|--------------------|-------|-------|-------|
| | | | | | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
| 1 | Pulichinthala | Krishna/Lower Krishna/ Krishna | AP | Nalgonda(Tel)/Guntoor,Krishna (AP) | | | | | |
| 2 | Srisailam | Krishna/Lower Krishna/Krishna | AP | JogulambaGadwal(Telangana), Kurnool(AP)/ Nalgonda(Telangana), Guntoor (AP) | | | | | |
| 3 | Somasila | Pennar/Lower Pennar/Pennar | AP | Kadapa(AP)/Nellore(AP) | | | | | |
| 4 | Madduvalasa | Nagavalli/Nagavalli/EFR Mahanadi & Godavari | AP | Vizianagaram(AP)/Srikakulam(AP) | | | | | |
| 5 | Musi | Musi/Lower Krishna/ Krishna | Tel | Nalgonda | | | | | |
| 6 | Sriramasagar | Godavari/Middle Godavari/Godavari | Tel | Nanded (Mah), Nirmal(Telangana)/Metpally, Mancherial(Telangana) | | | | | |
| 7 | SripadaYellampally | Godavari/Middle Godavari/Godavari | Tel | Mancherial/JaishankarBhupalpally | | | | | |
| 8 | Singur | Manjira/Manjira/Godavari | Tel | Bidar(Kar)/Sangareddy(Telangana) | | | | | |
| 9 | Nizamsagar | Manjira/Manjira/Godavari | Tel | Medak/Kamareddy | | | | | |
| 10 | PD Jurala | Krishna/Middle Krishna/Krishna | Tel | Raichur (Kar)/JogalambaGadwal(Telangana) | | | | | |
| 11 | Ukai | Tapi/Tapi/Tapi | Guj | Nadurbar(Mah), Tapi(Guj)/ Surat (Guj) | | | | | |
| 12 | Narayanpur | Krishna/Upper Krishna/Krishna | Kar | Bagalkot, Vijayapura/ Raichur, Yaadgir | | | | | |
| 13 | Harangi | Cauvery/Upper Cauvery/Cauvery | Kar | Kodagu/Mandya | | | | | |
| 14 | Hemavathy | Hemavathy/ Hemavathy/Cauvery | Kar | Hassan, Kodagu/Mandya, Mysore | | | | | |
| 15 | Karanja | Karanja/Manjira/Godavari | Kar | Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar) | | | | | |
| 16 | Tungabhadra | Tungabhadra/Middle Tungabhadra/Krishna | Kar | Gadag/Bellary, Koppal, Raichur | | | | | |
| 17 | Kabini | Kabini/Kabini/Cauvery | Kar | Wayanad (Ker)/Mysuru(Kar) | | | | | |
| 18 | Bhadra | Bhadra/UpperTungabhadra/Krishna | Kar | Chikmagaluru/Shimoga | | | | | |
| 19 | KRS | Cauvery/Middle Cauvery/Cauvery | Kar | Mandya, Mysore | | | | | |
| 20 | Malaprabha | Malaprabha/Malaprabha/Krishna | Kar | Belgaum | | | | | |
| 21 | Hidkal | Ghataprabha/Ghataprabha/Krishna | Kar | Kolhapur (Mah)/ Belgaum (Kar) | | | | | |
| 22 | Almatti | Krishna/Upper Krishna/Krishna | Kar | Kolhapur(Maharashtra)/ Bagalkote(Karnataka) | | | | | |
| 23 | Idukki | Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari | Kerala | Theni (Tamil Nadu), Ernakulam | | | | | |
| 24 | Edamalayar | Edamalayar/Middle Periyar/West flowing rivers from Tadri to Kanyakumari | Kerala | Coimbatore (Tamil Nadu) | | | | | |
| 25 | Koyna | Koyna/Upper Krishna/Krishna | Mah | Satara/Kolhapur, Sangli | | | | | |
| 26 | Warana | Warna river/Upper Krishna/Krishna | Mah | Sangli,Kolhapur Sangli, Kolhapur | | | | | |
| 27 | Veer | Nira/Upper Bhima/Krishna | Mah | Pune, Satara | | | | | |
| 28 | Ujjani | Bhima/Upper Bhima/Krishna | Mah | Pune, Solapur | | | | | |
| 29 | Yeldari | Purna/Purna/Godavari | Mah | Hingoli, Parbhani/Nanded | | | | | |
| 30 | Upper Wardha | Wardha/Wardha/Godavari | Mah | Wardha, Amravati | | | | | |
| 31 | Issapur | Kayadhu/Penganga/Godavari | Mah | Hingoli, Yavatmal | | | | | |
| 32 | Totladoh | Pench/Wainganga/Godavari | Mah | Chindwara(MP)/Nagpur(Mah) | | | | | |
| 33 | Jaikwadi | Godavari/Upper Godavari/Godavari | Mah | Aurangabad, Ahmadnagar/Bid, Jalna | | | | | |
| 34 | Mula | Mula/Upper Godavari/Godavari | Mah | Ahmadnagar | | | | | |
| 35 | Salandi | Salandi/Brahmani and Baitarni/Brahmani and Baitarni | Odisha | Mayurbhanj,Kendujhar/Bhadrak | | | | | |
| 36 | Bango | Hasdeo/Upper Mahanadi/Mahanadi | Chhattis | Gurguja/Korea, Korba | | | | | |
| 37 | Ravi Shankar | Mahanadhi/Upper Mahanadi/Mahanadi | Chhatt | Kanker/Gariaband | | | | | |
| 38 | Bhavanisagar | Bhavani/Middle Cauvery/Cauvery | TN | Palakad (Kerala), Nilgiri(TN), Coimbatore (TN)/ Erode (TN) | | | | | |
| 39 | Mettur | Cauvery/Middle Cauvery/Cauvery | TN | Dharmapuri, Salem/Erode, Namakkal | | | | | |

| 40 | Vaigai | Vaigai/Upper Vaigai/East flowing rivers South of Cauvery Basin | TN | Theni/Madurai | | | |
|----|---------------------|---|-----|--|--|--|--|
| 41 | Sathanur Dam | Ponnaiar/Middle South Pennar/East flowing rivers between Pennar and Cauvery Basin | TN | Dharmapuri, Tiruvannamalai/Villupuram, Cuddalore | | | |
| 42 | SomKamlaAmba | Som/Mahi B/Mahi | Raj | Udaipur/Dungarpur | | | |
| 43 | RanaPratapSagar | Chambal/Upper Chambal/Ganga | Raj | Neemuch(MP)/Dholpur, Kota, Bundi(Raj) | | | |
| 44 | Gudha | Mejchambal/Upper Chambal/Ganga | Raj | Bhilwara/Bundi | | | |
| 45 | Parwati | Parbati/ Kalisindh/Upper Chambal | Raj | Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP) | | | |
| 46 | Mahi Bajajsagar Dam | Mahi/ Upper Mahi/Mahi Basin | Raj | Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj) | | | |
| 47 | Gandhisagar | Chambal/Upper Chambal/Ganga | MP | Mandsaur,Neemuch(MP)/Dholpur(Raj) | | | |
| 48 | Tawa | Tawa/Middle Narmada/Narmada | MP | Betul,Hoshnabad/Sehore | | | |
| 49 | Rajghat | Betwa/Betwa/Ganga | MP | Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP) | | | |
| 50 | Barna | Barna/Middle Narmada/Narmada | MP | Raisen/Hoshangabad,Narsinghpur | | | |
| 51 | Indira Sagar | Narmada/Narmada b/w Hosangabad to SSP/Narmada | MP | Harda, Dewas, Khandwa/Khargone | | | |
| 52 | Upper Wainganga | Wainganga/Wainganga/Godavari | MP | Seoni/Balaghat | | | |
| 53 | Sardar Sarovar | Narmada/Narmada b/w Hosangabad to SSP/Narmada | Guj | Narmada(Guj), Nadurbar(MP)/Narmada, Vadodra, Bharuch (Guj) | | | |
| 54 | Kadana Dam | Mahi/Middle Mahi/Mahi Basin | Guj | Banswara (Raj)/Mahisagar,Panchmahals(Guj) | | | |
| 55 | Dharoi Dam | Sabarmati /Middle Sabarmati/Sabarmati Basin | Guj | Sabarkantha/Mehsana (Guj) | | | |

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.