



**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**27-09-2021**

**1.0 Rainfall Situation**

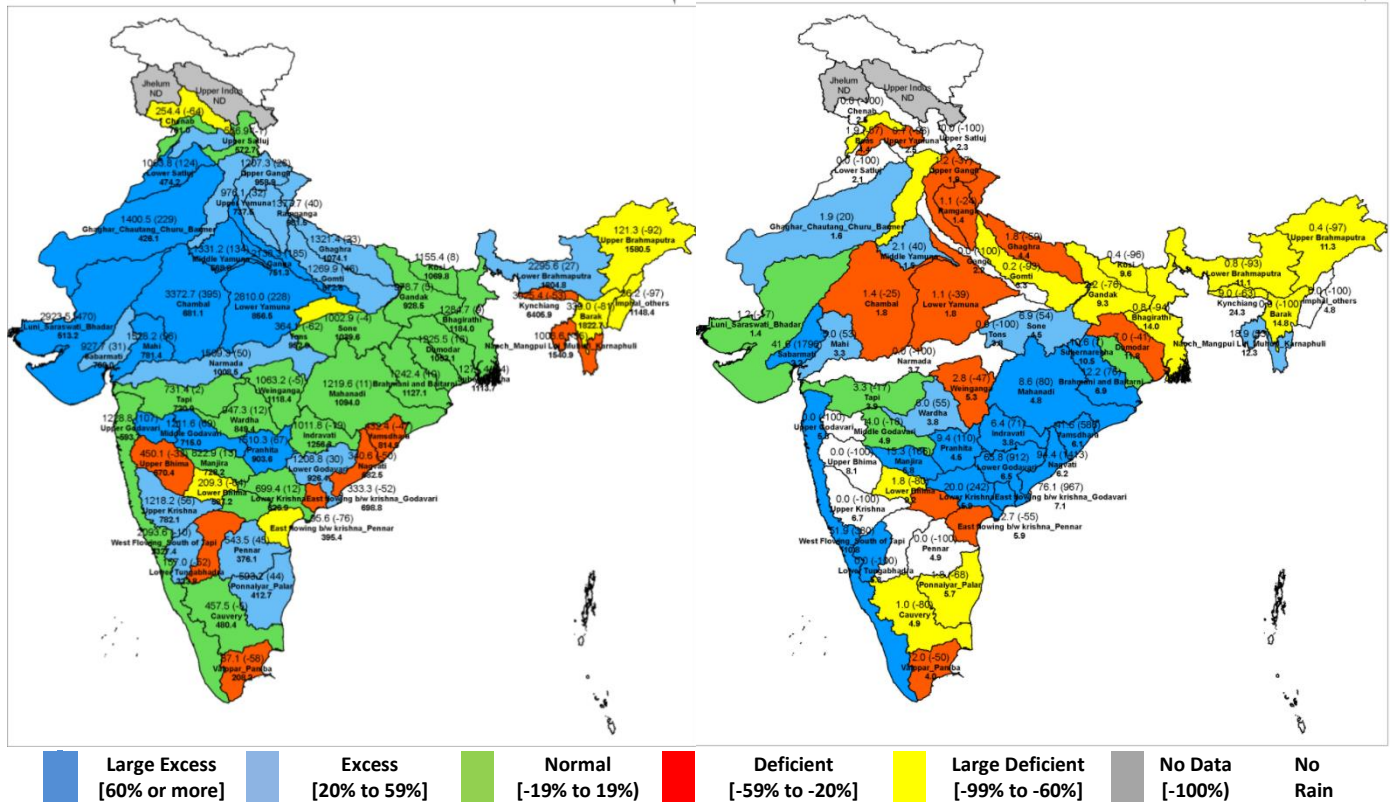
**1.1 Basin wise departure from normal of cumulative and daily rainfall**

**RIVER BASIN RAINFALL MAP : INDIA**

Period :01-06-2021 To 27-09-2021

**RIVER BASIN RAINFALL MAP : INDIA**

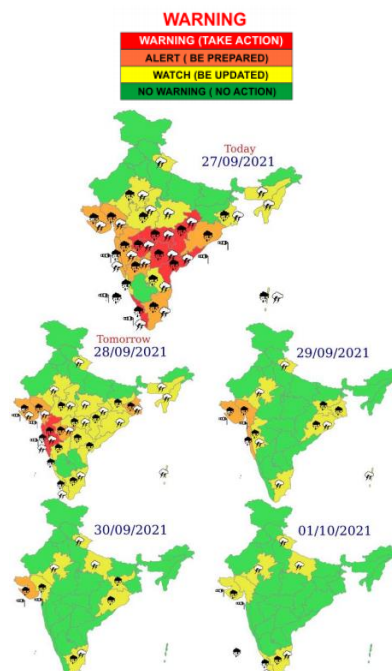
Date :27-09-2021



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 27<sup>th</sup> September, 2021 (Midday) by IMD**

Deep Depression (remnant of Cyclonic Storm GULAB) over south Odisha & adjoining south Chhattisgarh is likely to move nearly westwards and weaken into a Depression during next 06 hours and into a well-marked Low pressure area during subsequent 24 hours. The system is likely to emerge into northeast Arabian Sea and adjoining Gujarat coast around 30<sup>th</sup> September evening and there is likelihood for the system to further intensify over northeast Arabian Sea during the subsequent 24 hours.



- Extremely/Very Heavy Rainfall over north Coastal Andhra Pradesh, Telangana, Vidarbha, south Chhattisgarh, south Odisha, Tamilnadu and Kerala on 27<sup>th</sup>; over Gangetic West Bengal on 28<sup>th</sup>; over Gujarat Region, Konkan during 27<sup>th</sup>-29<sup>th</sup>; over Madhya Maharashtra & Marathwada on 27<sup>th</sup> & 28<sup>th</sup>; over Saurashtra & Kutch during 27<sup>th</sup>-30<sup>th</sup> September, 2021.

## 2.0 Flood Situation and Advisories

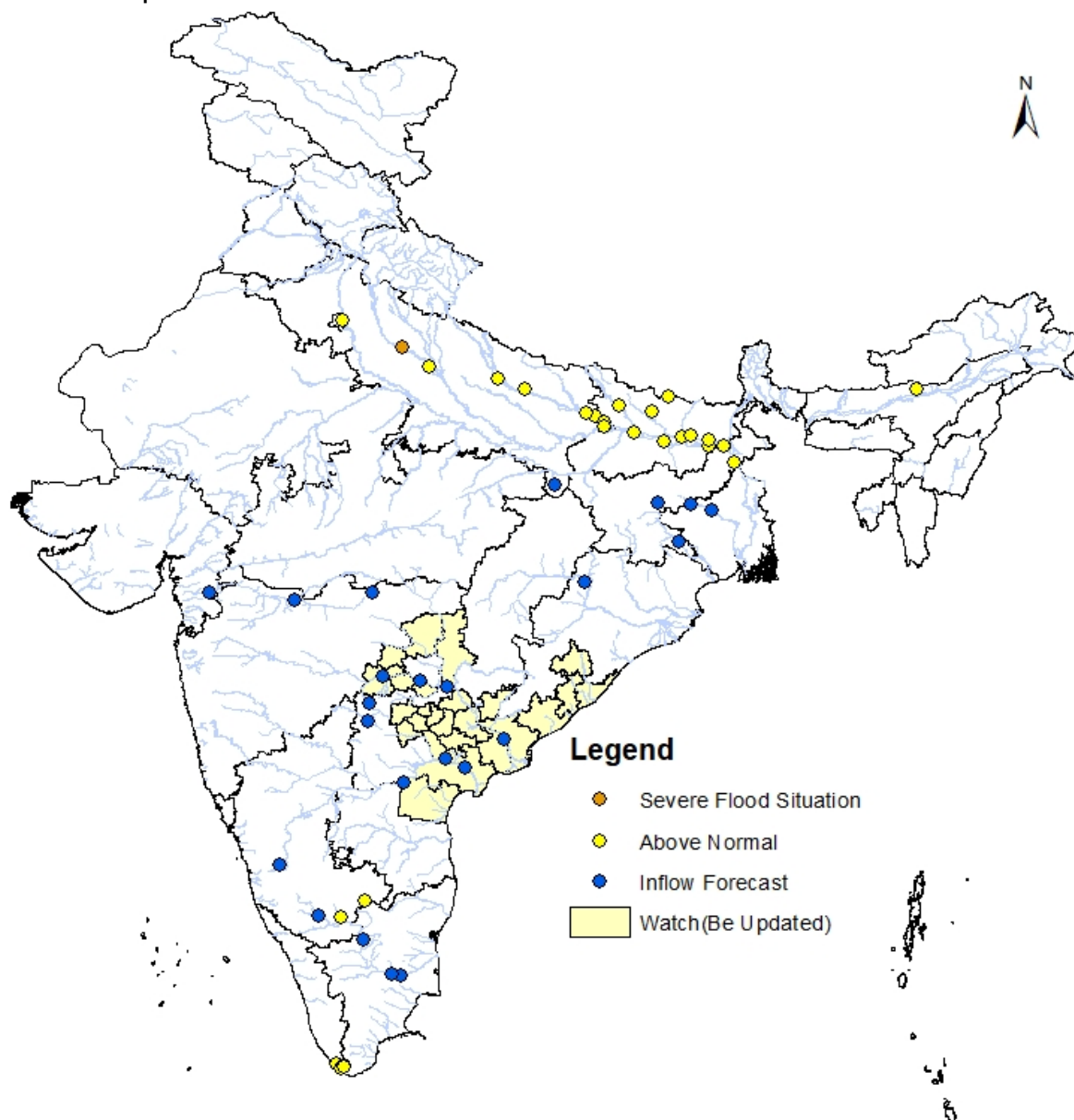
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 27<sup>th</sup> September, 2021, 1 Station in Uttar Pradesh is flowing in Severe Flood Situation and 26 stations (11 in Bihar, 5 in Uttar Pradesh, 4 in Tamil Nadu, 1 each in Assam, Delhi, Karnataka, Kerala, Jharkhand & West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 26 Barrages & Dams (6 in Telangana, 5 in Andhra Pradesh, 3 each in Jharkhand, Maharashtra & Tamilnadu, 2 in Karnataka and 1 each in Gujarat, Odisha, Uttar Pradesh & West Bengal).

FLOOD SITUATION SUMMARY		
PART - I: LEVEL FORECAST		
S.No.	Flood Situations	Numbers of Forecasting Sites
<b>A</b>	Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled)	0
<b>B</b>	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	1
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	26
Total number of sites above Warning Level ( A+B+C)		27
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)		26

Details are given at link: <http://cwc.gov.in/sites/default/files/cfrcwcdfb-27.09.2021-2.pdf>

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

### 2.2.1 East Flowing Rivers Between Mahanadi & Pennar (Vamsadhara, Indravathi, Rushikulya, Nagavali), Godavari, Krishna & Cauvery

#### 2.2.1.1 Odisha

In Odisha, alert may be kept in river basins such as Godavari, Mahanadi and some east flowing rivers like Vamsadhara, Rushikulya, Nagavalli, etc. In Mahanadi basin, Hirakud dam on Mahanadi River in Sambalpur district and Rengali Dam on Baitarni river in Angul district are having high storages, hence, releases may be done as per SOP after advance information to downstream areas. Alert may be kept in Upper Kolab dam, Jalaput dam & Balimela dam. Alert may be in districts **Koraput** (Nagavalli, Indravathi, Kolab rivers), **Malangiri** (Indravathi, Kolab rivers), **Nabarangapur** (Mahanadi, Indravathi rivers).

#### 2.2.1.2 Andra Pradesh

Alert may be kept in districts **East & West Godavari, Krishna, Srikakulam, Vizianagaram, Vishakhapatnam & Yanam**. Water level rise is expected in rivers Sarda, Godavari delta region, Banahadhara, Sileru, etc and its tributaries. Gotta Barrage, Thottapalli project, Srisailem, Pulinchinthal, Prakasam projects may receive increased inflows. Releases may be done as per SOP after advance information to downstream areas.

#### 2.2.1.3 Telangana

Alert may be kept in districts **Kumaram Bheem, Mancheri, B. Kothagudam, Mahabubabad, Warangal rural & urban, Jagtial, Nirmal, Nizamabad, Kamareddy, Suryapet, Jangaon, Karimnagar, Kondagaon, Khammam, Mulugu, Y. Bhuvanagiri, Rangareddy, Rajanna Sircilla, Medak, Sangareddy, Pedappalle, Nirmal, Yavathmal, Hyderabad & Adilabad**. Water level rise are expected in Krishna, Godavari and its tributaries Akeru, Palleru, Bhima, Musi, Maher, Pranrita, Indravathi, Sabari etc. Major storages in Godavari basin such as Singur, Nizamsagar, Sriramsagar, Kaddam, Sripadayellampalli, Nagarjunasagar, etc. are having storages in the range 80 to 100%, hence, releases have to be done as per SOP after informing downstream areas.

#### 2.2.1.4 Karnataka

Alert may be kept in districts **Bidar, Gulbarga, Bijapur & Bagalkot**. Currently river Shimsha (Cauvery basin) in **Mandya** district is flowing in above normal flood situation with rising trend.

#### 2.2.1.5 Maharashtra

Alert may be kept in districts **Chandrapur, Gadchiroli, Latur, Parbhani, Hingoli, Nanded, Jalgaon & Dhule**. Water level rise is expected in Tapi, Godavari, Wainganga, Manjira, Purna and its tributaries. Projects such as NMD weir, Mula, Jaikwadi, Manjlegaon, Yeldari, Hathnur are having high storages, hence, releases have to be done as per SOP after informing downstream areas.

#### 2.2.1.5 Chhattisgarh

Alert may be kept in districts **Bastar and Sukma**. Water level rise is expected in the rivers in the south part of Chhattisgarh mainly in Godavari and its tributaries in the state.

### 2.2.2 West flowing rivers from Tapi to Tadri, Tadri to Kanyakumari, Cauvery

#### 2.2.2.1 Maharashtra

Due to strengthened monsoon flow, west coast is expected to receive heavy rainfall hence alert may be kept in **Thane, Nasik, Satara, Raigad and Ratnagiri** districts. Water level rise are expected in rivers Ulhas, Damanganga, Kajvi, Savitri, Kal, Vashisti, Bav, Wagh, Bhogeshwari and other rivers in the said region.

#### 2.2.2.2 Kerala

Due to strengthened monsoon flow, west coast is expected to receive heavy rainfall, hence, alert may be kept in rivers of southern part of Kerala such as Bharathapuzha, Pamba, Upper & Lower Periyar, Chalakudi and Achankoil. Presently river Neyyar in **Trivandrum** districts is flowing in above normal flood situation with falling trend. Achankoil river is flowing in above normal flood situation in **Pathanamthitta** district with rising trend. Major storages in the state such as Idukki, Idamalayar etc are presently have high storages, hence, releases may be done as per SOP after informing downstream areas.

#### 2.2.2.3 Tamil Nadu

Currently Kodaiyar river in **Kanyakumari** district is flowing in severe flood situation with rising trend. In Kanyakumari district river Thambraparni is flowing in above normal flood situation with rising trend and river Paralayar is flowing in above normal flood situation with falling trend. Alert may be kept for rivers Pazhayar, Thambraparni, Kodaiyar, Paralayar, etc. Alert may be kept in **Dindigul** district mainly in rivers Kodavanan, Varathamandhi (Cauvery basin).

### 2.2.3 Rivers of Saurashtra, Tapi, West Banas, Sabarmati – Gujarat

Due to strengthening of monsoon flow and westward propagation of deep depression that is currently over south Odisha and Chhattisgarh, rainfall scenario over Gujarat is in active phase and likely to increase in coming 2 to 3 days. Water level rise is expected in Tapi, Narmada, Damanganga, Sabarmati, West Banas and its tributaries. Alert may be kept in districts **Banaskantha, Patan, Mehsana, Valsad, Dangs, Tapi, Bharuch, Narmada, Surat & Navsari**. Ukai, Madhuban, Shetrunji dam and other storages in the region are more than 90%, hence, releases may be done as per SOP after informing downstream areas. Watch for rivers of Saurashtra such as Ghelo, Malan, Shetrunji, Kalubhar, Vattu and other small rivers in the area may be maintained. Alert may be kept in districts **Botad, Amreli, Rajkot & Bhavnagar**.

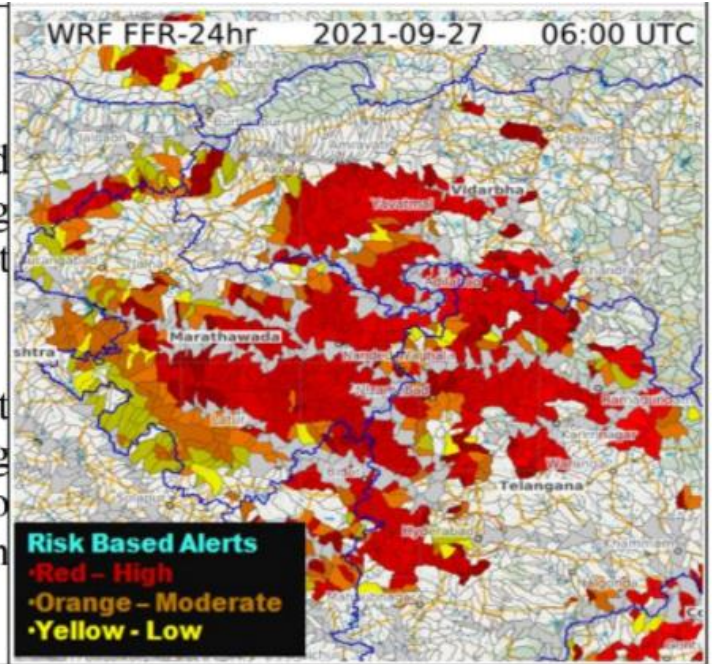
### 2.3. IMD Flash Flood Guidance

IMD issues warning of high risk over few watersheds and neighborhood of Telangana adjoining Marathwada and Vidarbha in next 24 hours.

#### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 28.09.2021:**

**High Risk** over few watersheds and neighborhood of Telangana adjoining Marathwada and Vidarbha Met subdivisions in next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to the expected rainfall of Cyclonic Storm “GULAB” in next 24 hours.





### 3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 27<sup>th</sup> September, 2021

Reservoirs shown in red are having gross storage capacity more than 90% and those in orange are having gross storage greater than 75%. 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 90%	
Storage above 75%	

QPF categories (mm)	0	0.1-10	11-25	26-37	38-50	51-75	76-100	>100
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#	Reservoir/Dams	River/Sub-Basin /Basin	State	US/ DS District	Rainfall situation				
					Day 1	Day 2	Day 3	Day 4	Day 5
1	NagarjunaSagar	Krishna/Lower Krishna/Krishna	AP	Nalgonda(Tel), Guntoor (AP)					
2	Srisaillam	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 &Pennar	AP	Vizianagaram					
5	Musi	Musi/Lower Krishna/Krishna	Tel	Nalgonda					
6	Sri Pada Yellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/ JaishankarBhupalpally					
7	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
8	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancherial					
9	Singur	Manjira/Manjira/Godavari	Tel	Medak					
10	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/JogalambaGadwal(Telangana)					
11	Panchet	Damodar/Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
12	Getalsud	Damodar/Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
13	Konar	Konar/Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
14	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
15	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
16	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
17	Harangi	Harangi/Harangi/Cauvery	Kar	Kodagu/Mandya					
18	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Tel)/Bidar(Kar)					
19	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Mah)/ Bagalkote(Kar)					
20	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
21	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
22	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
23	Bhadra	Bhadra/UpperTungabhadra/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	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					
30	Manjlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
31	Upper WardhaProj	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
32	Veer Dam	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	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
36	Jaikwadi	Godavari/Upper Godavari/Godavari	Mah	Aurangabad, Ahmadnagar/Bid, Jalna					
37	Parwati	Parbati/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
38	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
39	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
40	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
41	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
42	MahiBajajsagar	Mahi/Mahi B/Mahi	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					
43	SomKamlaAmba	Mahi/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
44	Gambhiri	Gambhiri/Upper Chambal/Ganga	Raj	Chittorgarh					
45	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
46	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
47	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
48	Barna	Barna/Middle Narmada/Narmada	MP	Raisen(MP)					
49	Hathnur	Hathnur/Upper Tapi/Tapi	Mah	Burhanpur (MP)/Jalgaon(Mah)					
50	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
51	Bansagar Dam	Sone./Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
52	Upper Wainganga (Sanjay Sarovar)	Wainganga/Wainganga/Godavari	MP	Seoni/Balaghat					
53	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
54	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
55	Hirakud	Mahanadi River/Upper Mahanadi/Mahanadi	Odisha	JanjgirChampa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
56	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
57	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
58	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					
59	Kadana	Mahi/Mahi B/Mahi	Guj	Banswara(Raj)/ MahiSagar, PanchMahal( Guj)					
60	Edamalayar	Upper Periyar/Periyar/Periyar	Ker	Coimbatore/Ernakulam					
61	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Ker	Idduki/Ernakulam					
62	Bango	Hasdeo/Upper Mahanadi/Mahanadi	Chtgrh	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.