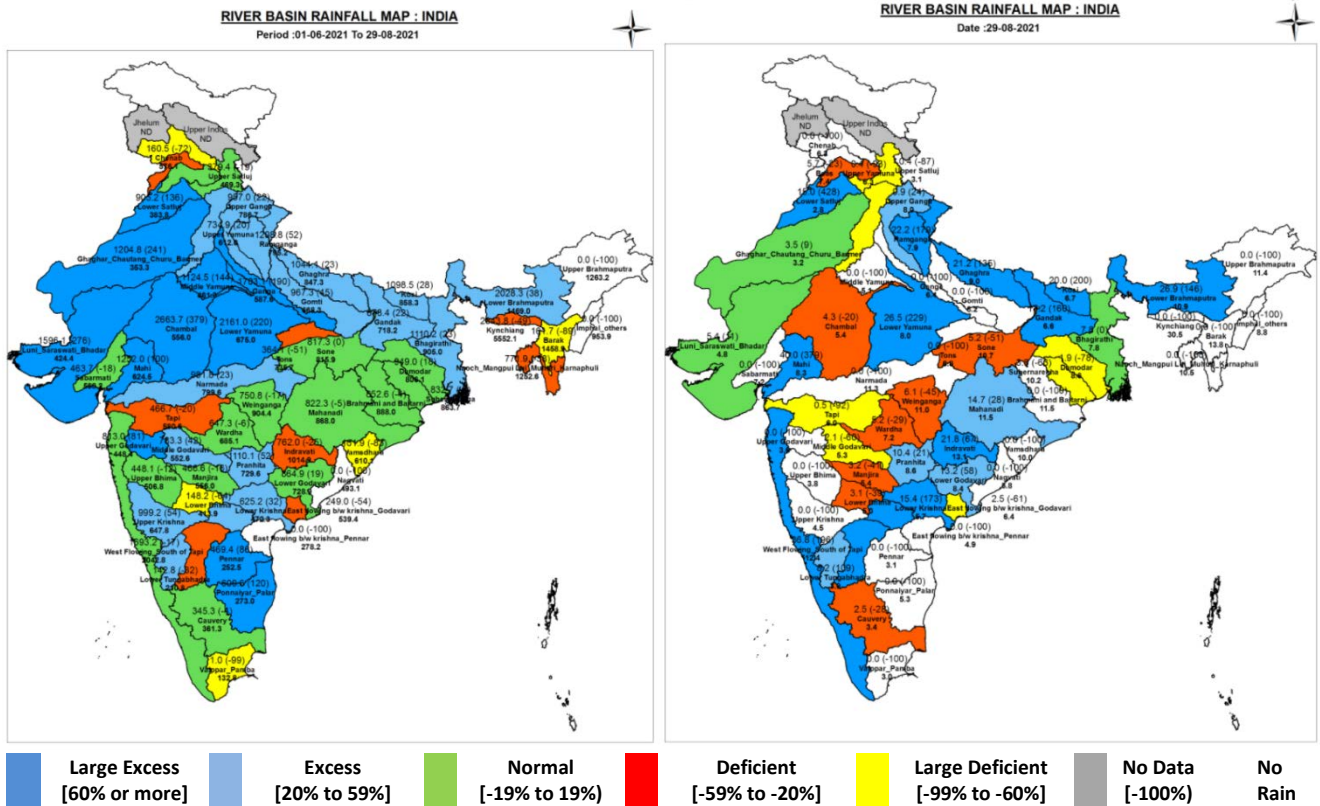




Central Water Commission  
Daily Flood Situation Report cum Advisories  
29-08-2021

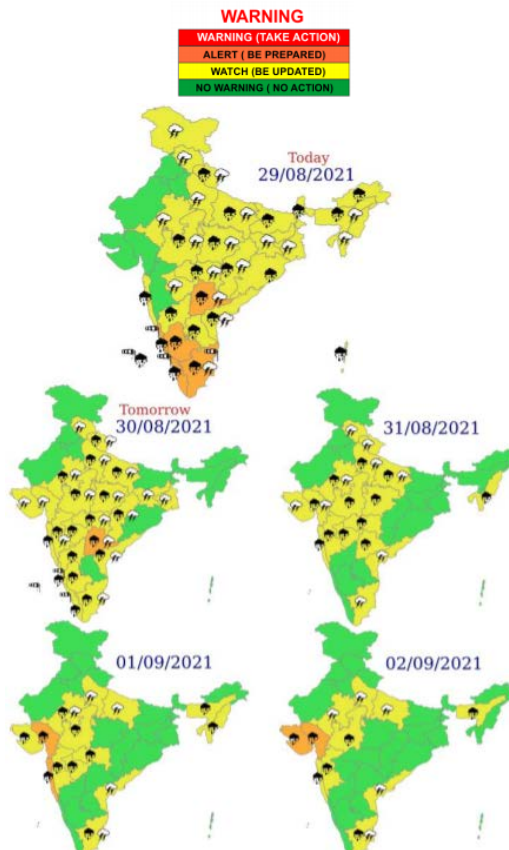
1.0 Rainfall Situation

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 29<sup>th</sup> August, 2021 (Midday) by IMD



- Very heavy rainfall over Telangana on 29<sup>th</sup> & 30<sup>th</sup> Aug; Coastal & South Interior Karnataka, Tamil Nadu and Kerala & Mahe on 29<sup>th</sup> Aug; Gujarat Region and Konkan & Goa on 01<sup>st</sup> Sept. and over Gujarat State on 02<sup>nd</sup> September, 2021.

## 2.0 Flood Situation and Advisories

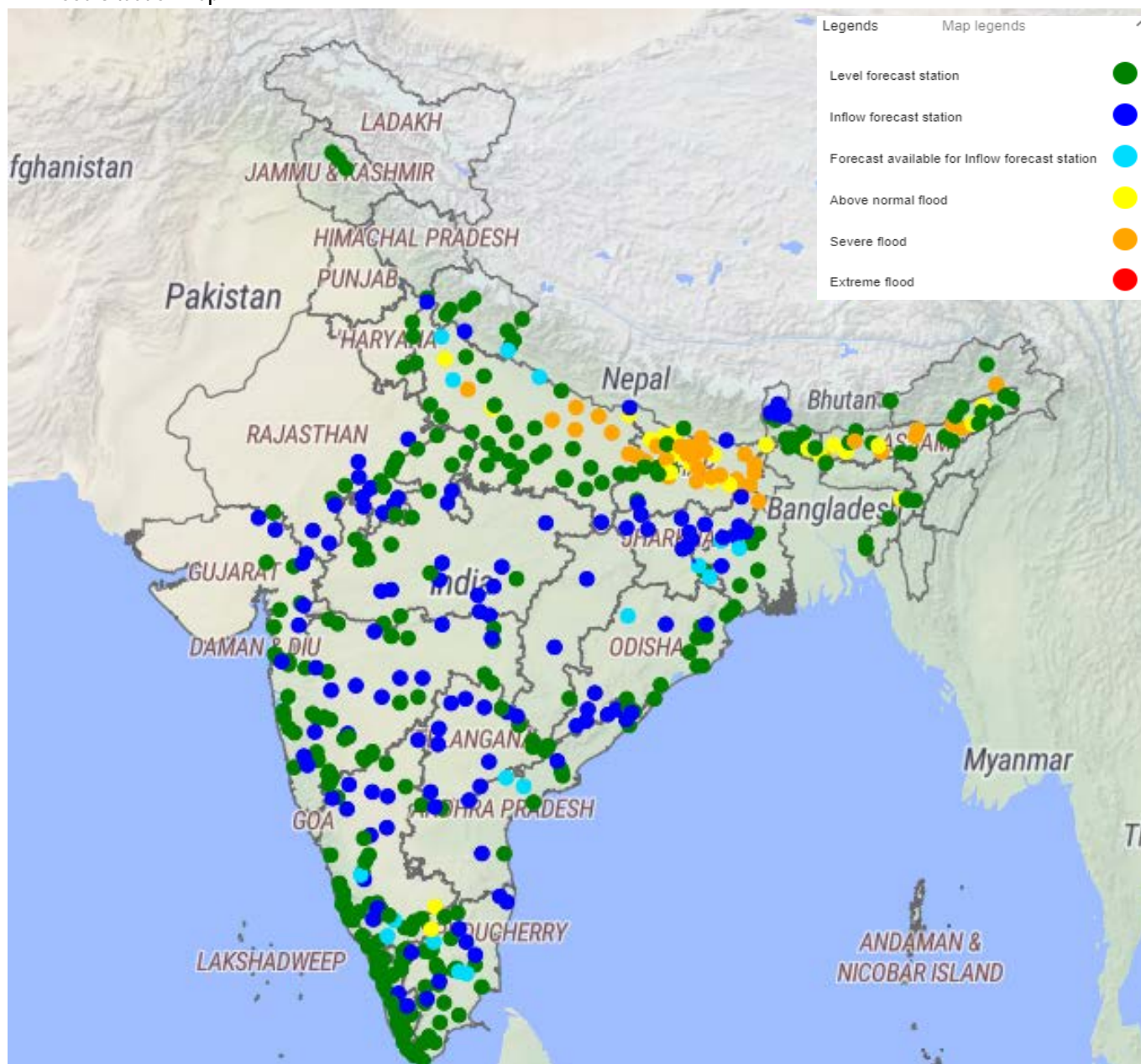
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 29<sup>th</sup> August, 2021, 38 Stations (21 in Bihar, 7 each in Uttar Pradesh & Assam and 1 each in Arunachal Pradesh, Jharkhand & West Bengal) are flowing in Severe Flood Situation and 24 stations (18 in Bihar, 3 in Uttar Pradesh, 2 each in Tamil Nadu, 1 in West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 16 Barrages & Dams (3 each in Tamilnadu, Jharkhand & Uttar Pradesh, 2 each in Karnataka & Andhra Pradesh, 1 each in West Bengal, Odisha & Uttarakhand)

FLOOD SITUATION SUMMARY		
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)	0
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)	24
Total number of sites above Warning Level ( A+B+C)		62
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)		16

Details are given at link: [http://cwc.gov.in/sites/default/files/cfrcwcdfb-29.08.2021\\_6.pdf](http://cwc.gov.in/sites/default/files/cfrcwcdfb-29.08.2021_6.pdf)

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

### 2.2.1 Ganga Basin- Uttarakhand, Uttar Pradesh, Bihar, Jharkhand & West Bengal

#### 2.2.1.1 Uttarakhand

Water level in rivers Bhagirathi, Alaknanda, Mandakini, Ganga, Ramganga, Sharda, etc. is expected to rise. Alert may be kept in districts Dehradun, Udham Singh Nagar, Bageshwar, Pithograh, Champawat and Nanital.

#### 2.2.1.2 Uttar Pradesh

Presently river **Ghaghra** is flowing above Danger Level in **Barabanki, Ayodhya & Ballia districts** with rising trend. River **Rapti** is flowing in severe flood situations in **Balrampur, Siddharth Nagar & Gorakhpur districts** and Gandak in **Kushinagar district** is flowing above warning level. Main Ganga is flowing in severe to above normal flood situation with rising trend in **Hapur, Budaun & Farukhabad** with rising trends.

#### 2.2.1.3 Bihar

Presently, river **Ghaghra** is flowing above Danger Level in **Siwan district** with rising trend. River **Gandak** in **Purba Champaran, Gopalganj & Muzaffarpur**, River **Burhi Gandak** in **Purba Champaran, Muzaffarpur, Samastipur & Khagaria**, River **Bagmati** in **Sitamarhi, Muzaffarpur & Darbhanga**, River **Adhwara** in **Darbhangha**, 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. The rivers like Gandak may rise further due to heavy inflows passing from Gandak Barrage at Valmikinagar.

Presently, main Ganga River is flowing in above normal to severe flood situations in districts **Patna, Munger & Bhagalpur districts** with rising trend. River **Punpun** in **Patna district** is also flowing above danger level but with falling trend.

#### 2.2.1.4 Jharkhand

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

#### 2.2.1.5 West Bengal

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

### 2.2.2 Brahmaputra and its tributaries, Barak and Others

#### 2.2.2.1 Arunachal Pradesh

River **Siang** in **East Siang district** is flowing above danger level with falling trend.

#### 2.2.2.2 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**. Also tributaries of Brahmaputra namely **Beki river in Barpeta, Jia-Bharali river in Sonitpur, Dikhow river in Sibsagar, Sankosh river in Dhubri, Subansiri in Lakimpur, Gaurang in Kokrajhar, Puthimari in Kamrup districts** are flowing in above normal to severe flood situations.

**Kushiyara river (Barak and others) in Karimganj (Assam)** are flowing in above normal flood situation.

#### 2.2.2.3 Sub-Himalayan West Bengal

**Torsa river in Coochbihar district** is flowing above warning level.

### 2.2.3 Rivers from Tadri to Kanyakumari – Kerala & Tamilnadu

Due to formation of Low Pressure Area in Bay of Bengal, very heavy to heavy rains are forecasted in districts of **Kannur, Kozhikode, Wayanad, Palakkad, Malappuram, Kottayam, Thrissur, Eranakulam (Kerala)** and **Teni, Coimbatore & Nilgris (Tamilnadu)** for next 2 days, hence alert may be kept. Inflows into **Idukki, Edamalaray dams** are expected to rise. Water level rise is also expected in other medium to major dams situated in Kerala in the river basins of **Periyar, upper Periyar, Chalakudi, Pamba & Meenachil**.

### 2.2.4 Krishna Basin – Karnataka, Andhra Pradesh, Telangana

Most of the dams in Upper Krishna Basin are having very high storages. **Almatti (100%), Narayanpur (97%), Malaprabha (96%), Bhadra (98%), Ghataprabha (100%) and Tungabhadra (98%)** dams are more than 95% filled up. Dams **P. D. Jurala, Srisailem, Koyna, Warna, Musi & Veer** are also having high storages (more than 80%). Round the clock watch has to be maintained for proper reservoir operation. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure by prior informing the lower riparian areas. Alert may be kept in rivers such as **Bhima, Akeru, Palleru, Halla, etc and Mahabubad district (Telangana)**

### 2.2.5 Cauvery Basin - Karnataka

Dams in Cauvery Basin are having storages more than 85% namely **Harangi (94%), Kabini (93%), Hemavathi (90%) and KRS (85%)**. Round the clock watch has to be maintained for proper reservoir operation. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure by prior informing the lower riparian areas. Alert may be kept in districts **Uttar and Dakshin Kannada, Shimoga, Hassan, Kodagu, Chamarajanagar (Karnataka), Nilgris (Tamil Nadu), Wayanad (Kerala)**.

### 2.2.6 Godavari Basin – Telangana

Alert may be kept in Middle & Lower Godavari, **Pranhita, Manjira, Manair, Sabari rivers** specially in districts **Kamareddy, Jagital, Suryapet, Nizamabad, Peddapalle, Karimnagar, Siddipet, Jangoan, Kumaram Bheem, Mancherla, Khammam, Warangal, Rajanna Sircilla**.



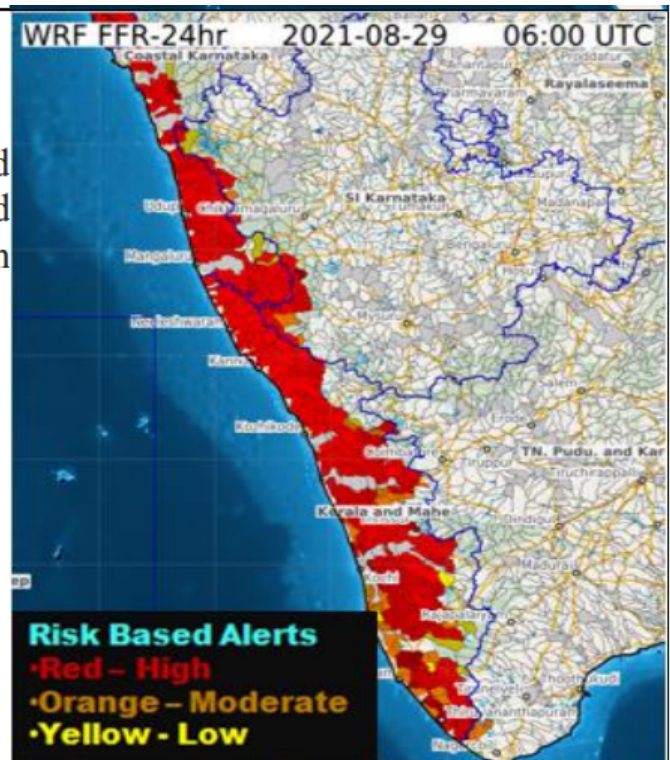
### 2.3 Flash Flood Guidance

IMD has issued flash flood risk over few watersheds and neighbourhoods of Kerala, Mahe & Coastal Karnataka met subdivisions.

#### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 30.08.2021:**

**Moderate Risk** over few watersheds and neighborhood of Kerala & Mahe and Coastal Karnataka met subdivision in 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 Storage Position in Dams where Inflow forecast is being issued by CWC as on 28<sup>th</sup>August, 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
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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	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	Godavari/Middle Godavari/Godavari	Tel	Mancherial/ JaishankarBhupalpally					
6	Sriramsagar	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)					
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	Chikmagalur/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	RanaPratapSagar	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	Omkareshwar	Narmada/Narmada b/w Hosangabad to SSP/Narmada	MP	Khandwa/Khargone					
50	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
51	Bansagar	Sone/Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
52	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
53	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (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.