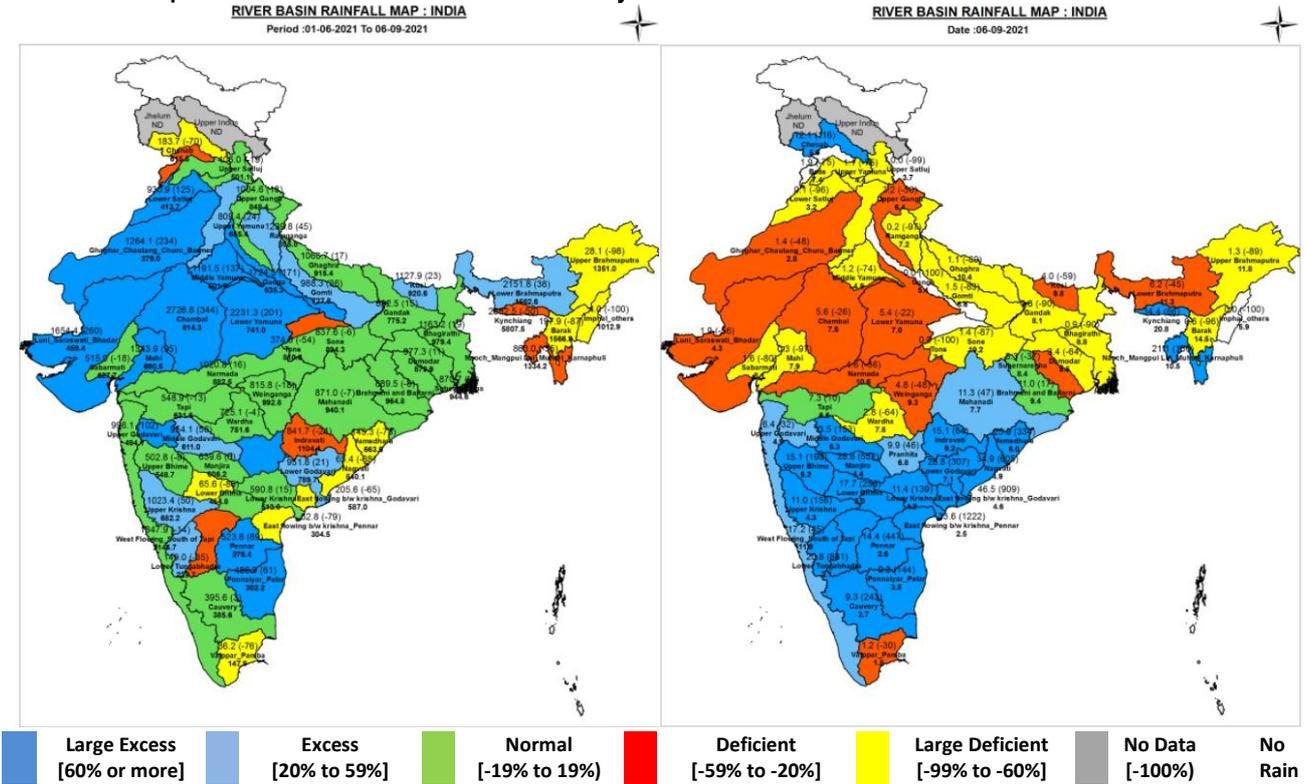




**Central Water Commission**  
**Daily Flood Situation Report cum Advisories**  
**06-09-2021**

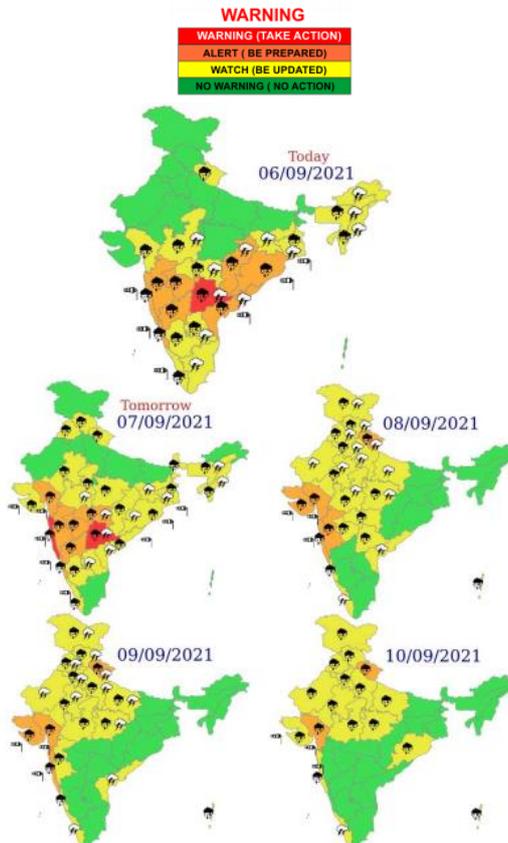
**1.0 Rainfall Situation**

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



- Extremely Heavy/Very Heavy Rainfall at isolated places over Vidarbha on 07th; Coastal Andhra Pradesh and Chhattisgarh on 06th; Odisha on 06th; Gujarat Region during 07th -10th; Saurashtra & Kutch on 08th -09th; Madhya Maharashtra on 06th -08th; Marathwada, Telangana, Coastal & North Interior Karnataka during 06th -07th; Konkan during 06th -09th September, 2021..

## 2.0 Flood Situation and Advisories

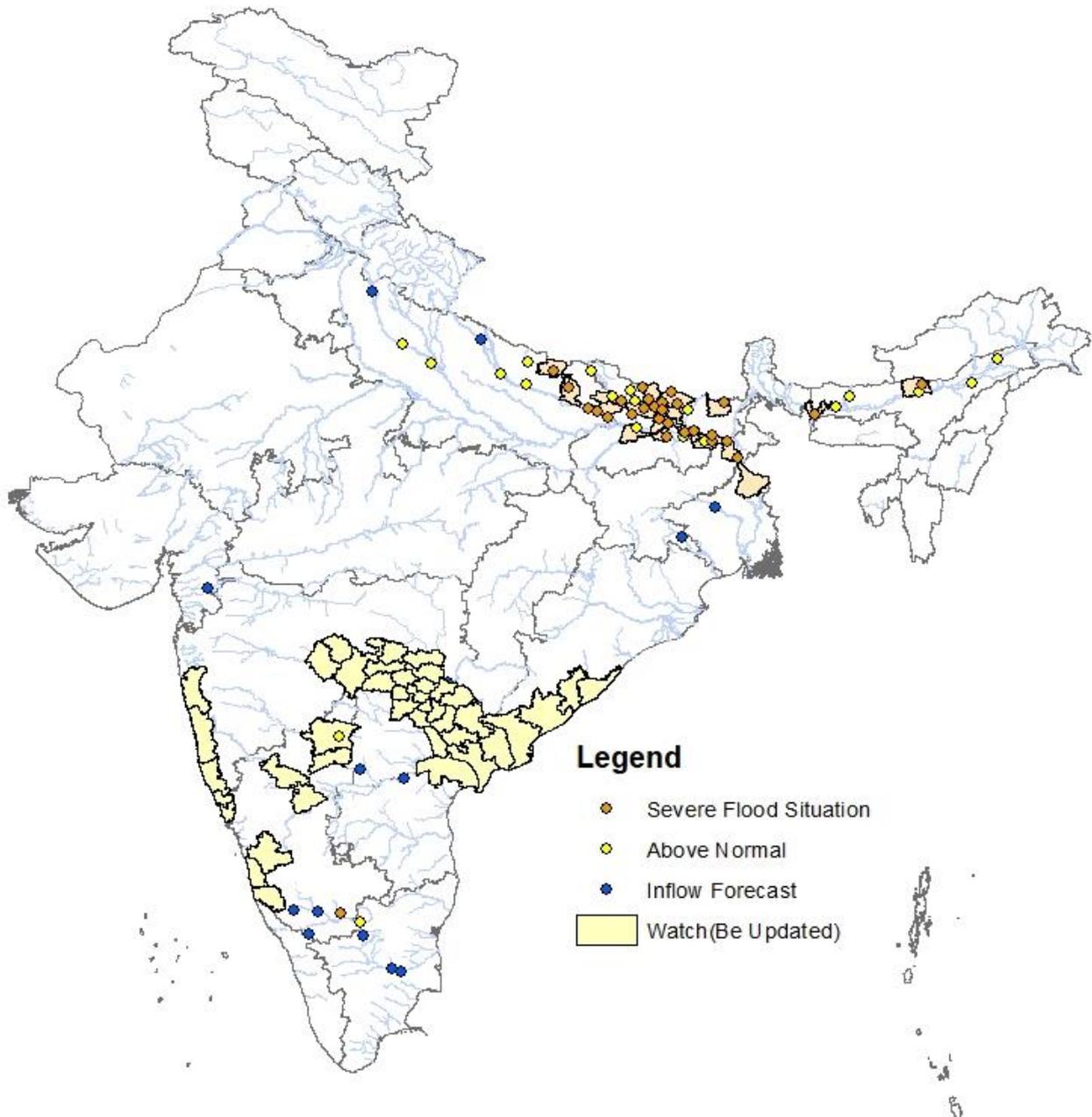
### 2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 6<sup>th</sup> September, 2021, 29 Stations (21 in Bihar, 3 in Uttar Pradesh, 2 in Assam and 1 each in Jharkhand, Karnataka & West Bengal) are flowing in Severe Flood Situation and 21 stations (8 in Bihar, 6 in Uttar Pradesh, 5 in Assam, and 1 each in Karnataka & Tamilnadu) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 19 Barrages & Dams (4 each in Karnataka & Telangana, 3 each in Andhra Pradesh & Tamilnadu, 2 in Uttar Pradesh and 1 each in Gujarat, Jharkhand & West Bengal).

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)	<b>0</b>
<b>B</b>	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	<b>29</b>
<b>C</b>	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	<b>21</b>
Total number of sites above Warning Level (A+B+C)		<b>50</b>
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)		<b>19</b>

Details are given at link: [http://cwc.gov.in/sites/default/files/cfrcrcwdfb-06.09.2021-2\\_5.pdf](http://cwc.gov.in/sites/default/files/cfrcrcwdfb-06.09.2021-2_5.pdf)

#### 2.1.1 Flood Situation Map



## 2.2 CWC Advisories

### 2.2.1 Godavari Basin & East Flowing Rivers between Mahanadi & Godavari- Odisha, Chhattisgarh, Maharashtra, Andhra Pradesh & Telangana

#### 2.2.1.1 Maharashtra

Water level rise is expected in rivers Purna, Middle and lower Godavari, Dudhana, etc. Alert may be kept in districts **Parbhani, Hingoli and Nanded**. Dams located in above said districts such as Yeldari (100%), Siddeshwar (96%), Lower Manar (88%) & Lower Dudhana (71%). Proper reservoir operation in accordance to standard operating manuals should be done, after informing downstream areas in advance.

#### 2.2.1.2 Odisha & Chhattisgarh

Heavy to very heavy rainfall is forecasted in Chhattisgarh and Odisha on 6<sup>th</sup>; levels are expected to rise in rivers Indravati, Sabari, Nagavalli and Vamsadhara. River Indravathi is likely to rise in **Dantewada, Bastar, Narayanpur and Bijapur** Districts in Chhattisgarh and **Navrangpur** District in Odisha and River Sabari is likely to rise rapidly in **Koraput, Malkangiri** Districts of Odisha and in **Sukma** District in Chhattisgarh. Inflows into **Balimela, Upper Kolab, Machhkund and Upper Indravathi Projects** are also likely to rise but the storages in these reservoirs are low and the inflows will help in increasing the storage in these reservoirs. Alert to be kept in **Rayagada & Gajapati** (Odisha).

#### 2.2.1.3 Telangana & Andhra Pradesh

Due to forecasted Heavy to very heavy rainfall with extremely heavy falls at isolated places over Telangana on 6<sup>th</sup> & 7<sup>th</sup>, Water level rise is expected in rivers Gollavagu, Gundlavagu, Indravti, Kadem, Karanja, Kinnerasani, Laknavaram, Malluruvagu, Maner (Manair), Manjira, Murredu, Modikuntavagu, Palemvagu, Palleru, Peddavagu, Pranahitha, Ralivagu, Ramadugu, Taliperu, Suddhavagu, Swarna. Alert may be kept in districts **Adilabad, Bhadradi Kothagudem, Jagtial, Jayashankar Bhoopalpally, Karimnagar, Komaram Bheem, Mancherial, Medak, Peddapalli, Rajanna Sircilla, Vikarabad (Telangana) and East & West Godavari, Vishakapatnam, Srikakulam & Vizianagaram** (Andhra Pradesh). **Sriramsagar, Sripada Yellampally & Kaddam Project and Laxmi Barrage** are expected to receive heavy inflows. As the storages are above 90%, close watch is to be maintained for any releases from all the dams in the basin as well as for proper gate operation following SOP and after informing the downstream areas in advance.

### 2.2.2 Krishna Basin- Maharashtra, Andhra Pradesh, Telangana, Karnataka

#### 2.2.2.1 Maharashtra

Due to forecasted heavy to very heavy rainfall in Andhra Pradesh, Maharashtra and N. Interior Karnataka in next 2 days, increased inflow is expected in the reservoirs in Krishna basin. **Koyna (89%), Warana (93%), Ujjani (61%) and Veer (68%)** dams are having high storages, hence, if releases are made that should be as per standard operating manual after informing the downstream areas in advance.

#### 2.2.2.2 Andhra Pradesh & Telangana

Heavy inflows are expected into **P. D. Jurala** (94% filled) in **Jogulamba Gadwal District** of Telangana, **Srisailem Dam** (71%) in **Kurnool District** and **Pulichintala Dam** (72%) in **Guntur District** of Andhra Pradesh. Due to heavy rainfall in downstream areas of river Krishna in **Warangal, Khammam, Nalgonda and Krishna** Districts of Telangana and Andhra Pradesh, river Krishna at Prakasam Barrage is getting inflows above its threshold limit and inflow forecasts have been issued for the same.

#### 2.2.2.3 Karnataka

Most of the dams in Krishna Basin in Karnataka are also having storage between 93% to 100%. Tungabhadra, Hidkal & Almatti Dams are filled to their full capacity(100%). Storages are also very high in Malaprabha (97%), Bhadra (99%) and Narayanpur (93%) dams. There is forecast of heavy to very heavy rainfall in Madhya Maharashtra for next 2-3 days. Due to this there is likelihood of rise in water levels in Upper Krishna Basin in the upstream of Almatti Dam. Alert may be kept in districts of **Kalaburgi, Vijayapura, Raichur, Belagavi, Yadgir, Bagalkot & Koppal**.

**It is advised that close watch has to be maintained for increased inflows likely during the next 2-3 days. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure after informing the downstream areas in advance.**

### 2.2.3 Rivers from Tapi to Tadri & Tadri to Kanyakumari

#### 2.2.3.1 Maharashtra and Goa

There is likelihood of water level rise in rivers such as Gad, Kajvi, Khadapar, Madai, Savitri, Kal, Vashisti, Bav, Wagh & Bogeshwari in next 2 to 3 days. Alert may be kept in districts **Ratnagiri, Sindhudurg & Raigad**. As these rivers are flashy sudden water level rises are possible. Major/medium dams of Konkan region such as Dhamini, Tillari, Lower Chondhe, Bhatsa, etc are having storages more than 80%; in case of releases, proper reservoir operation as per standard operating manuals should be done after informing downstream areas in advance.

#### 2.2.3.2 Karnataka

There is likelihood of water level rise in rivers such as Gurgur, Shiriya, Sita, Netravathi, Haladi, Kumaradhara, Shambhavi, Aghanashini, Swarna in next 2 to 3 days. Alert may be kept in districts **Uttar Kannada, Udupi & Dakshin Kannada**. As these rivers are flashy sudden water level rises are possible. Major/medium dams in the region such as Lingamanakki and Supa have storages around 87% and 75% respectively. In case of releases, proper reservoir operation as per standard operating manuals should be done after informing downstream areas in advance.

**Necessary precautions have to be taken in Road and Rail Bridges which pass through these areas as they are prone to submergence. Care should be taken to regulate road and rail traffic to avoid any incidents.**

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

Many of the rivers in Uttar Pradesh, Bihar, Jharkhand & West Bengal continue to flow in Severe to Above Normal Flood Situation with steady/falling trend. In coming days, flooding situation is expected to recede slowly.

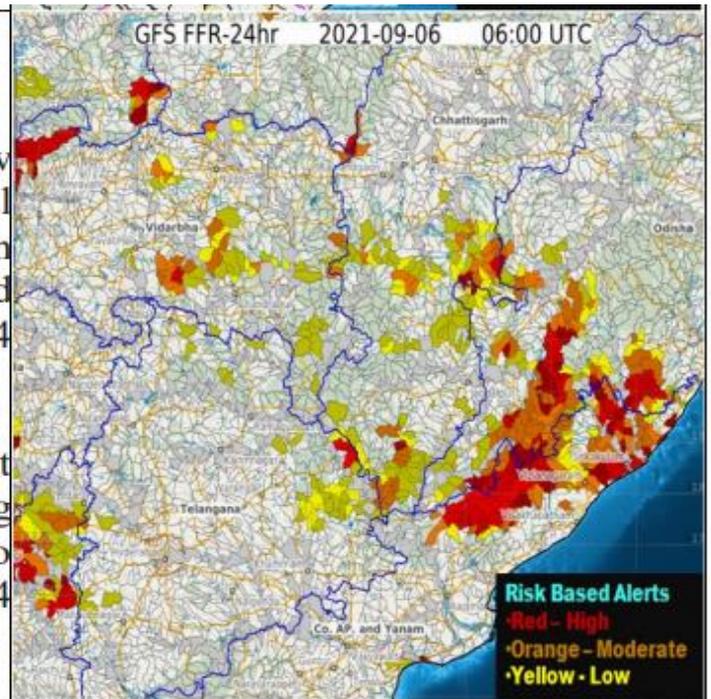
### 2.3 Flash Flood Guidance

IMD has issued flash flood risk over few watersheds and neighbourhood of Coastal Andhra Pradesh adjoining Odisha, South Chhattisgarh adjoining Telangana and Vidarbha met subdivisions.

#### **24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 07.09.2021:**

**Moderate to High Risk** over few watersheds and neighborhood of Coastal Andhra Pradesh adjoining Odisha, South Chhattisgarh adjoining Telangana and Vidarbha 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 6<sup>th</sup> September, 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 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	Nagarjuna Sagar	Krishna/Lower Krishna/Krishna	AP	Nalgonda(Tel), Guntoor (AP)					
2	Musi	Musi/Lower Krishna/ Krishna	Tel	Nalgonda					
3	Sri PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/ JaishankarBhupalpally					
4	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
5	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancherial					
6	PD Jurala	Krishna/ Middle Krishna/Krishna	Tel	Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Tel)					
7	Singur	Manjira/Manjira/Godavari	Tel	Medak					
8	Panchet	Damodar/Damodar East/ Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
9	Getalsud	Damodar/ Damodar West/Ganga & its tributaries	Jhar	Bokaro (Jharkand)					
10	Konar	Konar/ Damodar West/Ganga & its tributaries	Jhar	Hazaribagh (Jharkand)					
11	Tilaiya	Barakar/ Barakar West/Ganga & its tributaries	Jhar	Koderma (Jharkand)					
12	Maithon	Barakar/ Barakar East/Ganga	Jhar	Dhanbad, Jamtara (Jhar)/ Puruliya, PaschimBardhaman, Bankura (WB)					
13	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Kerala)/ Mysuru (Kar)					
14	Harangi	Cauvery/Upper Cauvery/Cauvery	Kar	Kodagu/Mandya					
15	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Tel)/Bidar(Kar)					
16	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Mah)/ Bagalkote(Kar)					
17	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
18	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
19	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
20	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
21	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/Shimoga					
22	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
23	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
24	Warana	Warana/Upper Krishna/Krishna	Mah	Kolhapur, Sangli					
25	Koyna	Koyna/ Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
26	Yeldari	Purna/Purna/Godavari	Mah	Parbhani, Hingoli					
27	Isapur	Penganga/Penganga/Godavari	Mah	Hingoli, Yavatmal/Yavatmal,Nanded					
28	Majlegaon	Sindphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
29	Parwati	Parbati/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
30	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
31	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
32	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
33	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
34	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					

35	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
36	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
37	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
38	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
39	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
40	Madhuban	Damanganga/Damanganga/West Flowing Rivers from Tapi to Tadri	Guj	Valsad (Guj)/Selvasa (UT of DNH)					

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.