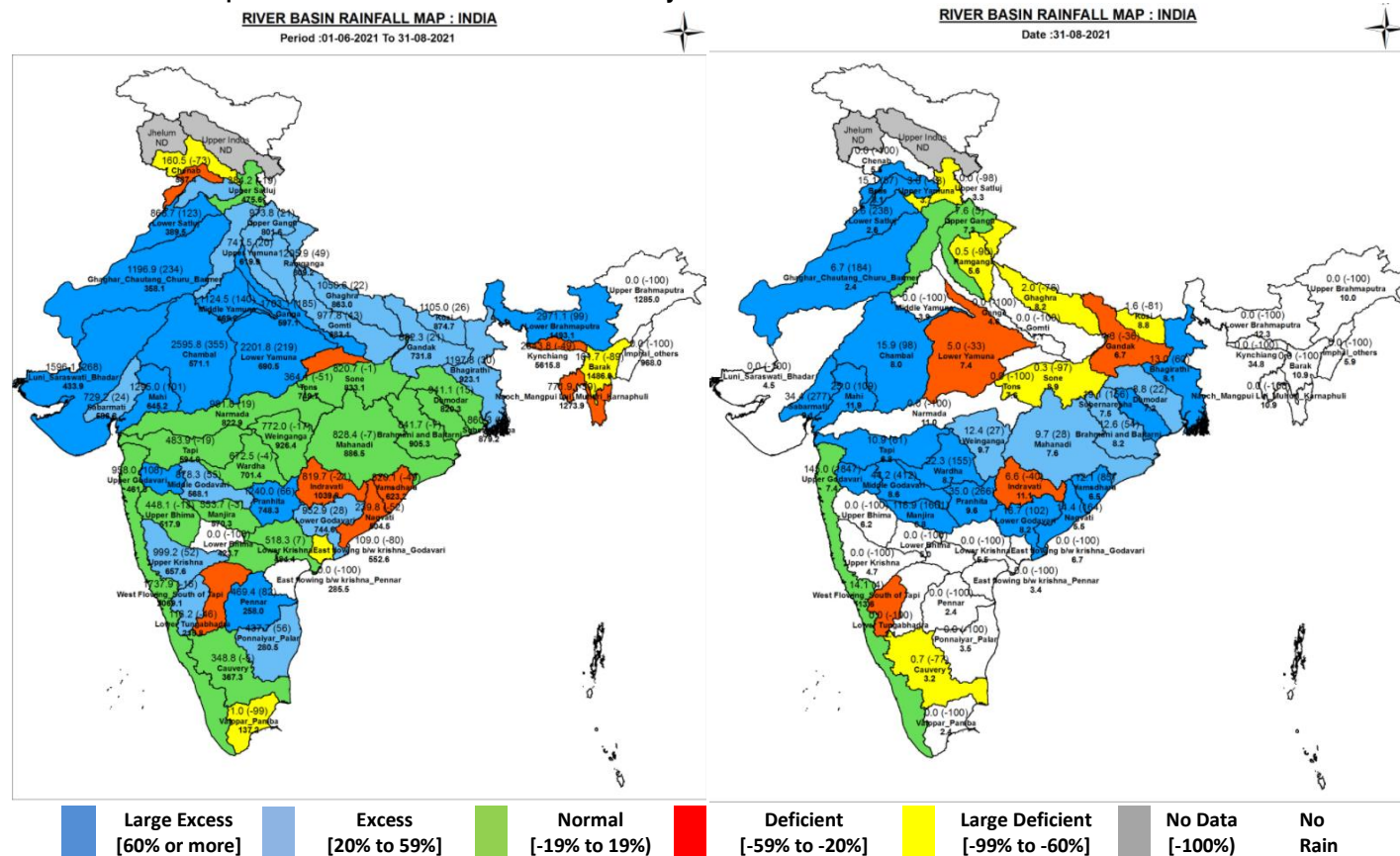




Central Water Commission
Daily Flood Situation Report cum Advisories
31-08-2021

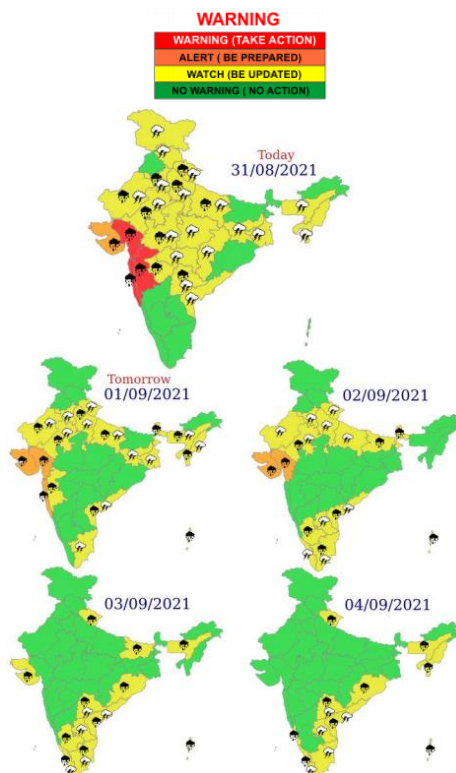
1.0 Rainfall Situation

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 31st August, 2021 (Midday) by IMD



- Extremely Heavy/Very heavy rainfall at isolated places over Gujarat state during 31st August-02nd September; over Konkan during 31st August-01st September and over Madhya Maharashtra on 31st August.

2.0 Flood Situation and Advisories

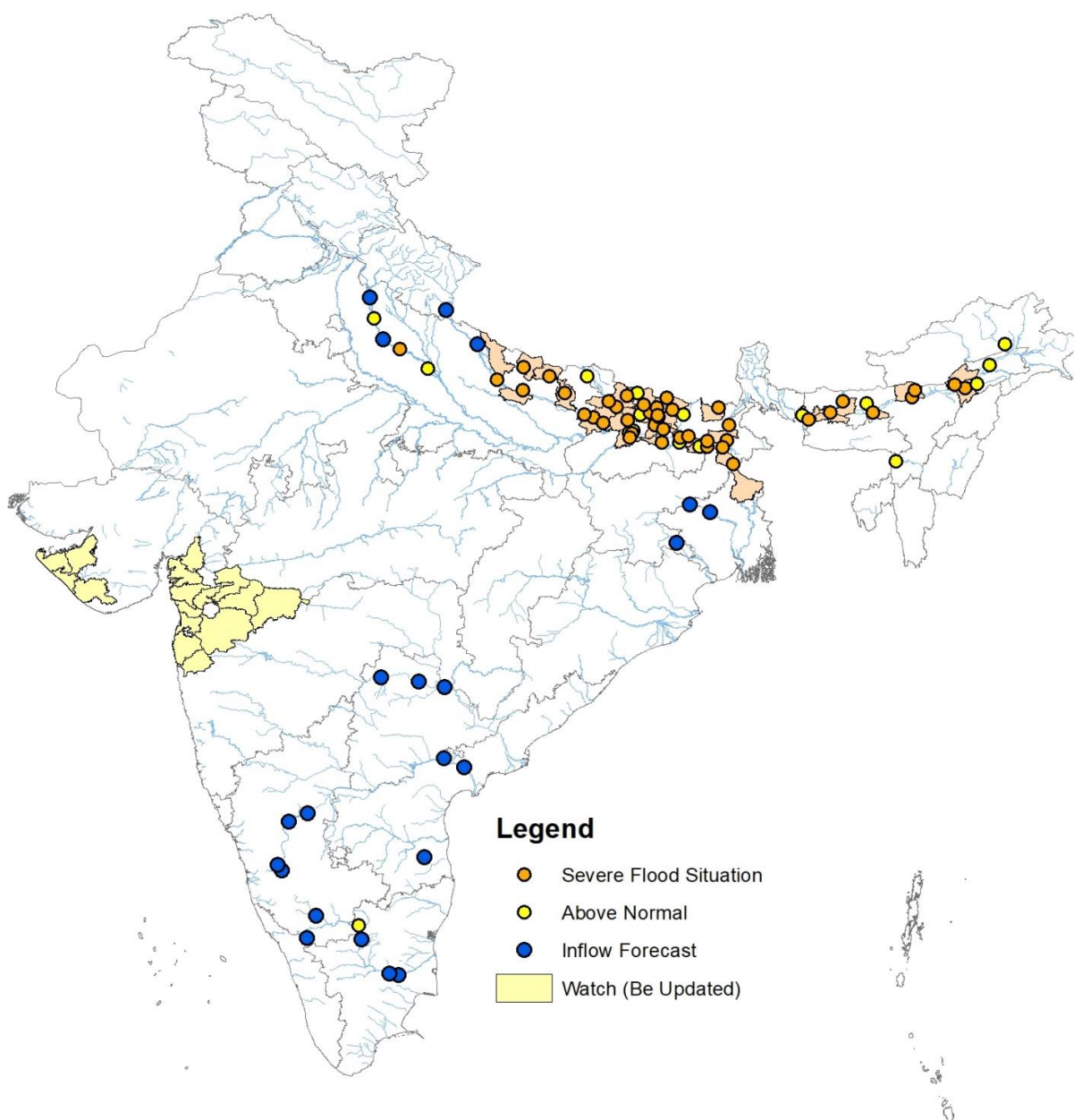
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 31st August, 2021, 42 Stations (25 in Bihar, 8 in Assam, 7 in Uttar Pradesh and 1 each in Jharkhand & West Bengal) are flowing in Severe Flood Situation and 17 stations (7 in Bihar, 5 in Assam, 3 in Uttar Pradesh, 1 each Arunachal Pradesh and Tamil Nadu) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 22 Barrages & Dams (6 in Karnataka, 4 in Telangana, 3 each in Tamilnadu & Uttar Pradesh, 2 each in Andhra Pradesh & Jharkhand and 1 each in Uttarakhand & West Bengal).

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))	42
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	17
Total number of sites above Warning Level (A+B+C)		59
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)		22

Details are given at link: http://www.cwc.gov.in/sites/default/files/central-flood-control-room-daily-bulletins-report.pdf-31.08.2021_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 West Flowing Rivers between Tapi and Tadri – Gujarat, Maharashtra, Konkan, Goa

IMD has predicted heavy to very heavy rainfall over Konkan and Goa for 2 to 3 days from today (31.08.2021). Hence, alert needs to be maintained in districts **Navsari, Valsad, Nasik, Jalgaon, Nandurbar, Dhule and Thane**. There is a need to keep watch and be updated for water level in rivers such as Ulhas (**Thane** district); Bhogeshwari, Savitri & Kal (**Raigad** district); Bav (**Ratnagiri** district); Gad (**Sindhudurg** dist.); Madai (**North Goa**) as these rivers are flashy and sudden rise of water level can occur in these rivers.

Water levels of river Daman Ganga basin is expected to rise and increased inflows may occur in Madhuban Dam. Watch for urban flooding situation is to be maintained in **Mumbai**.

2.2.2 Ganga Basin- Uttar Pradesh, Bihar, Jharkhand & West Bengal

2.2.2.1 Uttar Pradesh

Presently, river **Ghagra** is flowing above Danger Level in **Barabanki, Ayodhya & Ballia** districts. 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.

2.2.2.2 Bihar

Presently, river **Ghagra** is flowing above Danger Level in **Siwan** district with rising trend. River **Gandak** in **Purba Champaran, Gopalganj, Vaishali & 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.

Presently, main Ganga River is flowing in above normal to severe flood situations in districts **Patna, Munger & Bhagalpur** districts with rising trend. As the tail end sites of northern side tributaries of Ganga such as Ghagra, Gandak, Kosi are in rising trend, the flood situation existing in Ganga from Patna to Murshirabad is likely to continue for coming days. River **Punpun** in **Patna** district is also flowing above danger level but with falling trend.

2.2.2.3 Jharkhand

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

2.2.2.4 West Bengal

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

2.2.3 Brahmaputra and its tributaries, Barak and Others

2.2.3.1 Arunachal Pradesh

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

2.2.3.2 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**, **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.

2.2.4 Godavari Basin – Maharashtra, Telangana

Alert may be kept in Penganga, Purna, Upper & Middle Godavari, Maneru rivers. High storages exist in dams such as Mula (Ahmednagar dist.), Yeldari (Parbhani dist., Maharashtra), Karanja (Bidar dist., Karnataka), Sriramsagar, Kaddam (Nirmal dist. Telangana), S.Y.P (Pedapally dist.) hence alert may be kept.

2.2.5 Tapi Basin – Gujarat, Maharashtra

Heavy rains are expected in Upper, Middle & Lower Tapi reaches, hence, alert may be kept for next 2 days. Increased inflows are expected in Ukai and Hathnur dams.

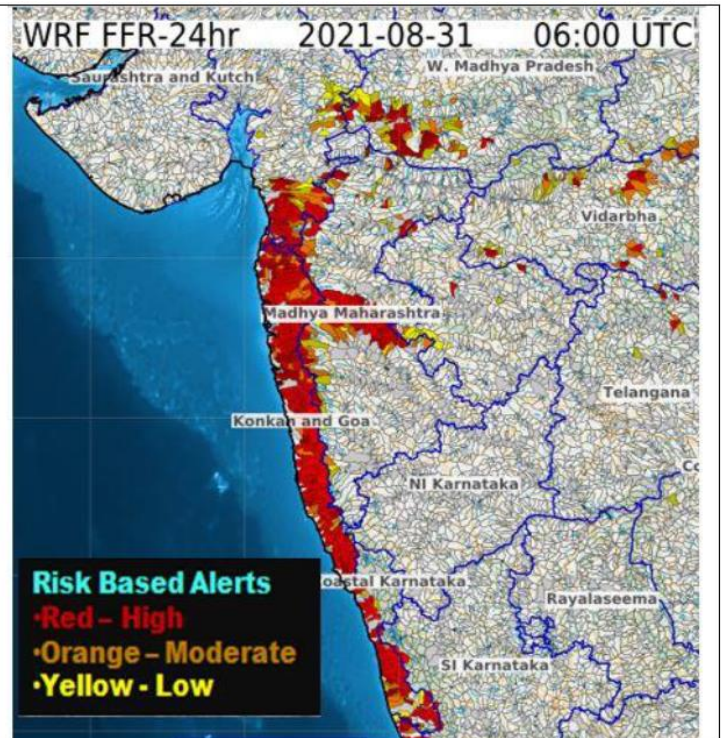
2.3. Flash Flood Guidance

IMD has issued flash flood risk over many watersheds and neighborhoods of Konkan & Goa adjoining Madhya Maharashtra, Southern Part of Gujarat adjoining West Madhya Pradesh and Coastal Karnataka met subdivision.

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 01.09.2021:

Moderate to High Risk over many watersheds and neighborhood of Konkan & Goa adjoining Madhya Maharashtra, Southern part of Gujarat adjoining West Madhya Pradesh 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 31st 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
---------------------	---	--------	-------	-------	-------	-------	--------	------

#	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	Srisailem	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 PadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/ JaishankarBhupalpally					
6	Sriramsagar Project	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	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
50	Bansagar	Sone/Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
51	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
52	Hirakud	Mahanadi/Upper Mahanadi/Mahanadi	Odisha	Janjgir Champa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
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.