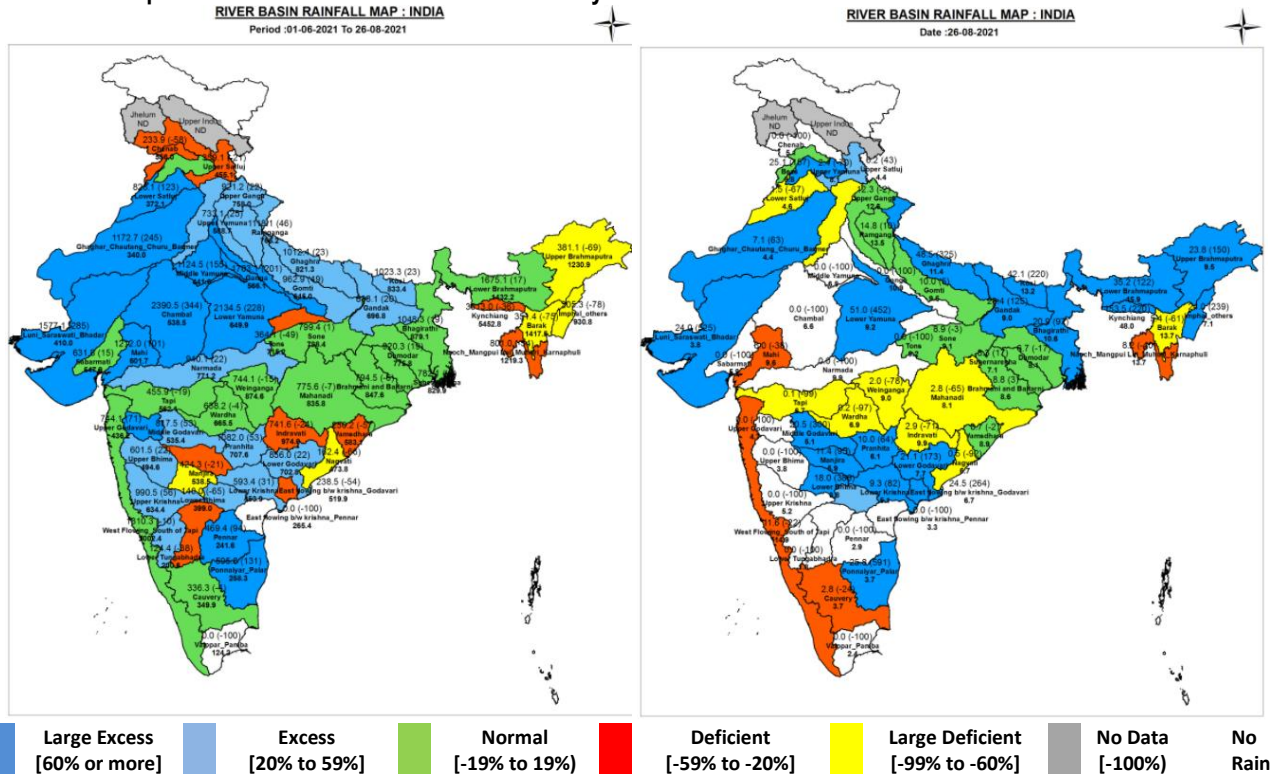




Central Water Commission
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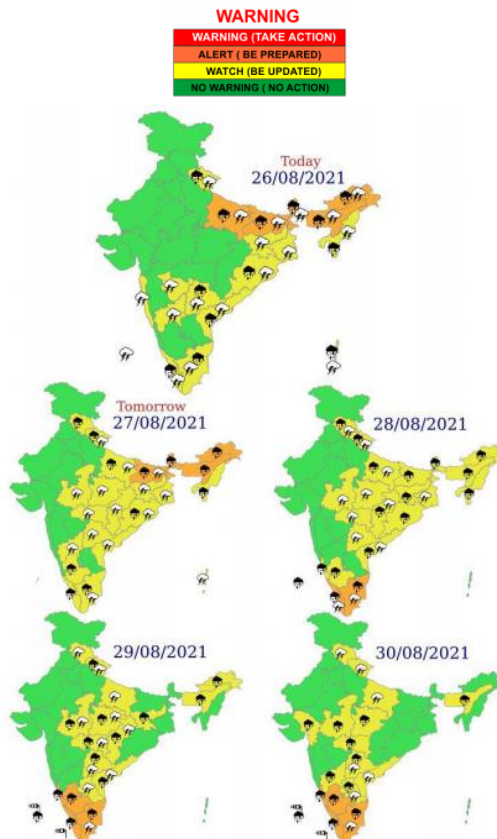
1.0 Rainfall Situation

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 26th August, 2021 (Midday) by IMD



- Extremely heavy/very heavy rainfall over East Uttar Pradesh on 26th; over Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Arunachal Pradesh on 26th -27th August; over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe during 28th - 30th August; over Coastal & South Interior Karnataka on 29th & 30th August, 2021.

2.0 Flood Situation and Advisories

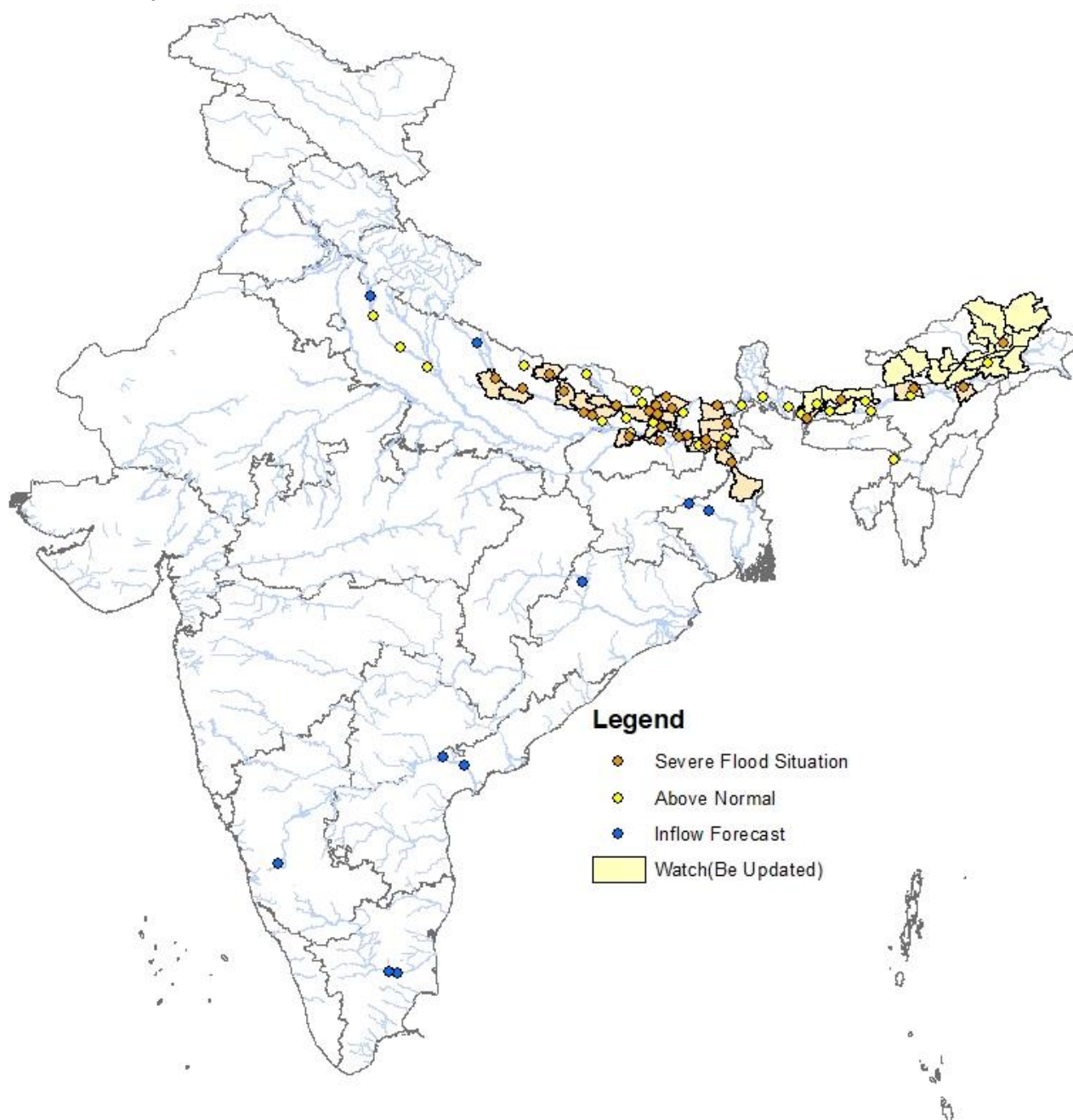
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 26th August, 2021, 29 Stations (17 in Bihar, 5 in Uttar Pradesh, 4 in Assam and 1 each in Arunachal Pradesh, Jharkhand & West Bengal) are flowing in Severe Flood Situation and 25 stations (10 in Bihar, 8 in Assam, 5 in Uttar Pradesh and 2 in West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 10 Barrages & Dams (2 each in Andhra Pradesh, Tamilnadu & Uttar Pradesh and 1 each in Karnataka, Jharkhand, Odisha & 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))	29
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	25
Total number of sites above Warning Level (A+B+C)		54
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)		10

Details are given at link: http://www.cwc.gov.in/sites/default/files/cfcrwcdfb-26.08.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

2.2.1 Ganga basin- Uttar Pradesh, Bihar, Jharkhand & West Bengal

Very heavy to Extremely Heavy rainfall is forecasted for Eastern Uttar Pradesh and Bihar in the next 2 days. Hence there is likelihood of rise in water levels in rivers such as Ghaghra & Rapti in Uttar Pradesh. Also, due to heavy rainfall in Nepal and North Bihar, levels of rivers in Gandak, Kosi etc. are expected to rise.

Main Ganga river is flowing in above normal to severe flood situations in districts **Patna & Bhagalpur (Bihar), Sahibganj (Jharkhand) & Murshirabad (West Bengal)** with falling trends.

River Ghaghra is flowing above Danger Level in **Barabanki, Ayodhya, Ballia (Uttar Pradesh)** and **Siwan (Bihar)** districts. River Rapti is flowing in severe to above normal flood situations in **Balrampur, Siddharth Nagar & Gorakhpur districts (U.P.)**.

Currently, River Kosi in **Supaul, Khagaria & Katihar (Bihar)**, River Punpun in **Patna**, River **Bagmati** in **Sitamarhi, Muzzafarpur & Darbhanga (Bihar)**, River **Gandak** in **Kushinagar (U.P.), Gopalganj & Muzaffarpur (Bihar)**, River **Parman** in **Araria (Bihar)**, River **Adhwara** in **Darbhanga**, Rivers **Kamla & Kamlabalan** in **Madhubani**, River **Burhi Gandak** in **Muzaffarpur, Samastipur & Khagaria**, River **Mahananda** in **Kishanganj, Purnia & Katihar** in Bihar are flowing in severe to above normal flood situations.

Alert may be kept in districts **Siddharth Nagar, Sant Kabirnagar** in **Uttar Pradesh**, **Paschim Champaran & Kishanganj** Districts in Bihar.

2.2.2 Brahmaputra and its tributaries, Barak and Others – Arunachal Pradesh, Assam & North West Bengal

Due to forecasted heavy to very heavy/extremely heavy rainfall in Upper and Middle Brahmaputra basin, river levels in Brahmaputra and its tributaries such as Teesta, Sankosh, Jaldhaka, Torsa, Manas, Beki, Raidak, Aie, Pagaladiya, Puthimari, Dhansiri are expected to rise in next 2 to 3 days.

Due to past 4 to 5 days rainfall, Brahmaputra Main River is flowing in above normal flood situations to severe flood situations in **Dibrugarh, Jorhat, Sonitpur, Goalpara, Kamrup & Dhubri** districts (Assam). Also tributaries of Brahmaputra namely Beki river in **Barpeta** district, Jia-Bharali river in **Sonitpur** and Sankosh river in **Dhubri** (Assam); Torsa river in **Coochbihar**, Teesta river in **Jalpaiguri** (West Bengal); Siang river in **East Siang** (Arunachal Pradesh) are flowing in above normal flood situations to severe flood situations.

Alert may be kept in districts **Chirang, Kokrajhar & Baksa** in **Assam**, **South & East Sikkim**, **Upper Siang**, **East Siang** and **Lower Subansiri** in **Arunachal Pradesh**.

2.2.3 Krishna basin–Andhra Pradesh, Karnataka

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 (99%)** 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.

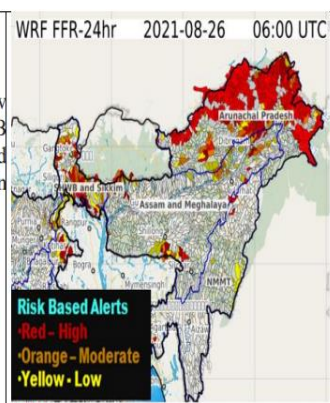
2.3. Flash Flood Guidance

IMD has issued flash flood risk over few watersheds and neighborhood of Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Arunachal Pradesh met subdivisions.

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 27.08.2021:

Moderate to High Risk over few watersheds and neighborhood of SHWB & Sikkim, Assam & Meghalaya and Arunachal Pradesh met subdivision in next 24 hours.

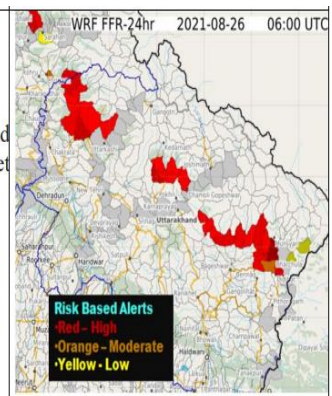
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 27.08.2021:

Moderate Risk over few watersheds and neighborhood of Uttarakhand met subdivision 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 expected rainfall occurrence in next 24 hours.



3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 26thAugust, 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	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	Ukai	Tapi/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.