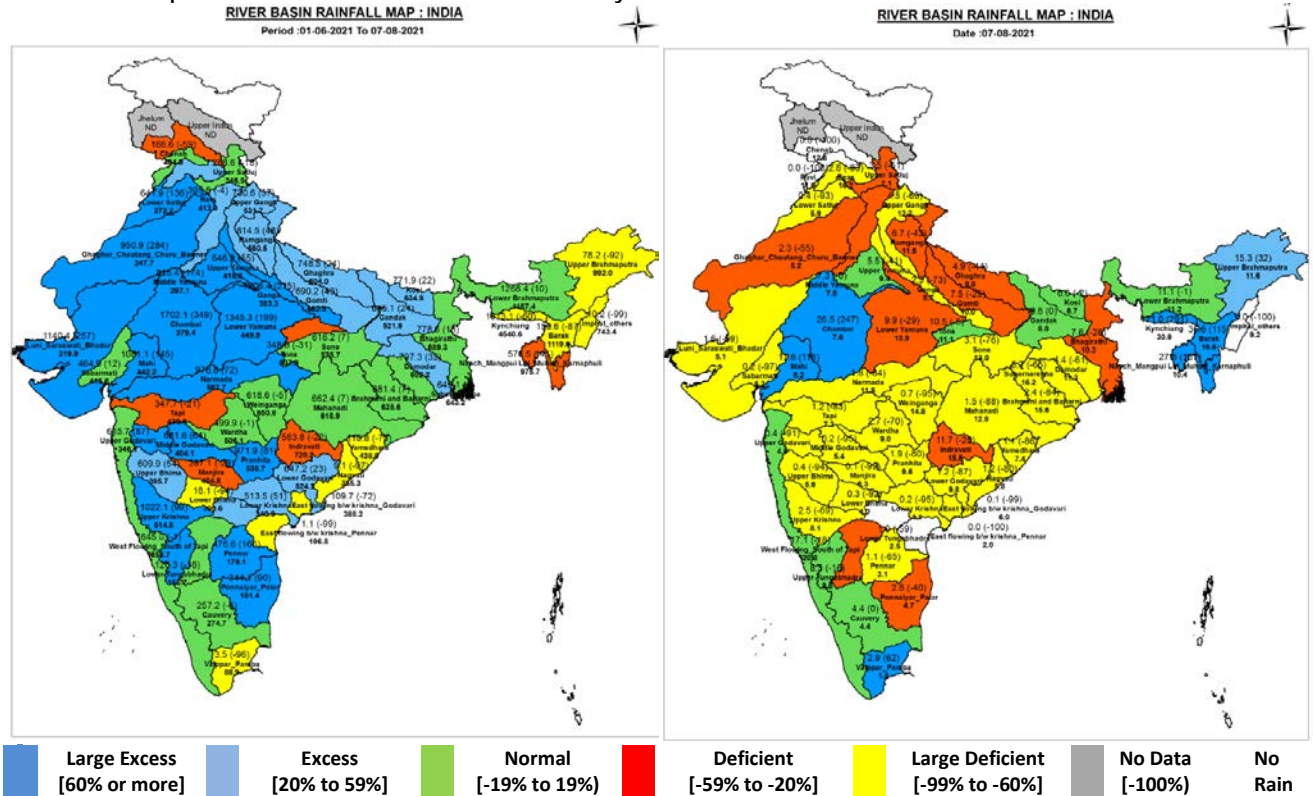




Central Water Commission
Daily Flood Situation Report cum Advisories
07-08-2021

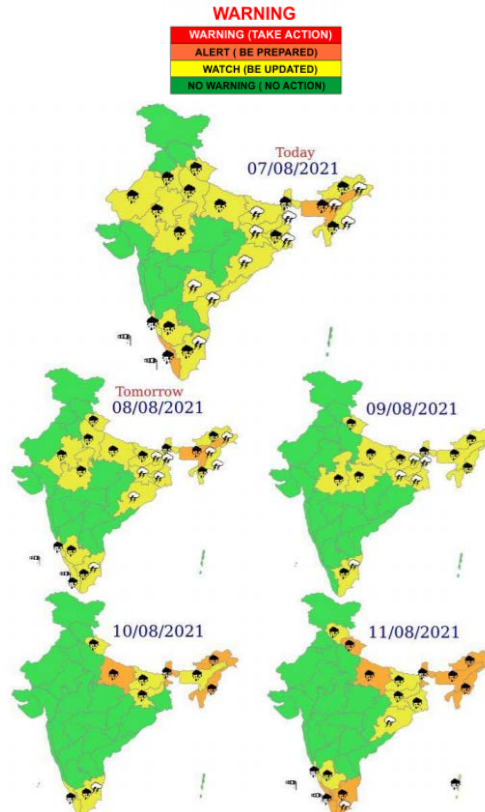
1.0 Rainfall Situation

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 7th August 2021 (Midday) by IMD



- Very Heavy Rainfall over Kerala & Mahe on 07th & 11th August; Assam & Meghalaya 07th, 08th & 11th August; East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura on 10th-11th August and Uttarakhand and Tamilnadu, Puducherry & Karaikal on 11th August.

2.0 Flood Situation and Advisories

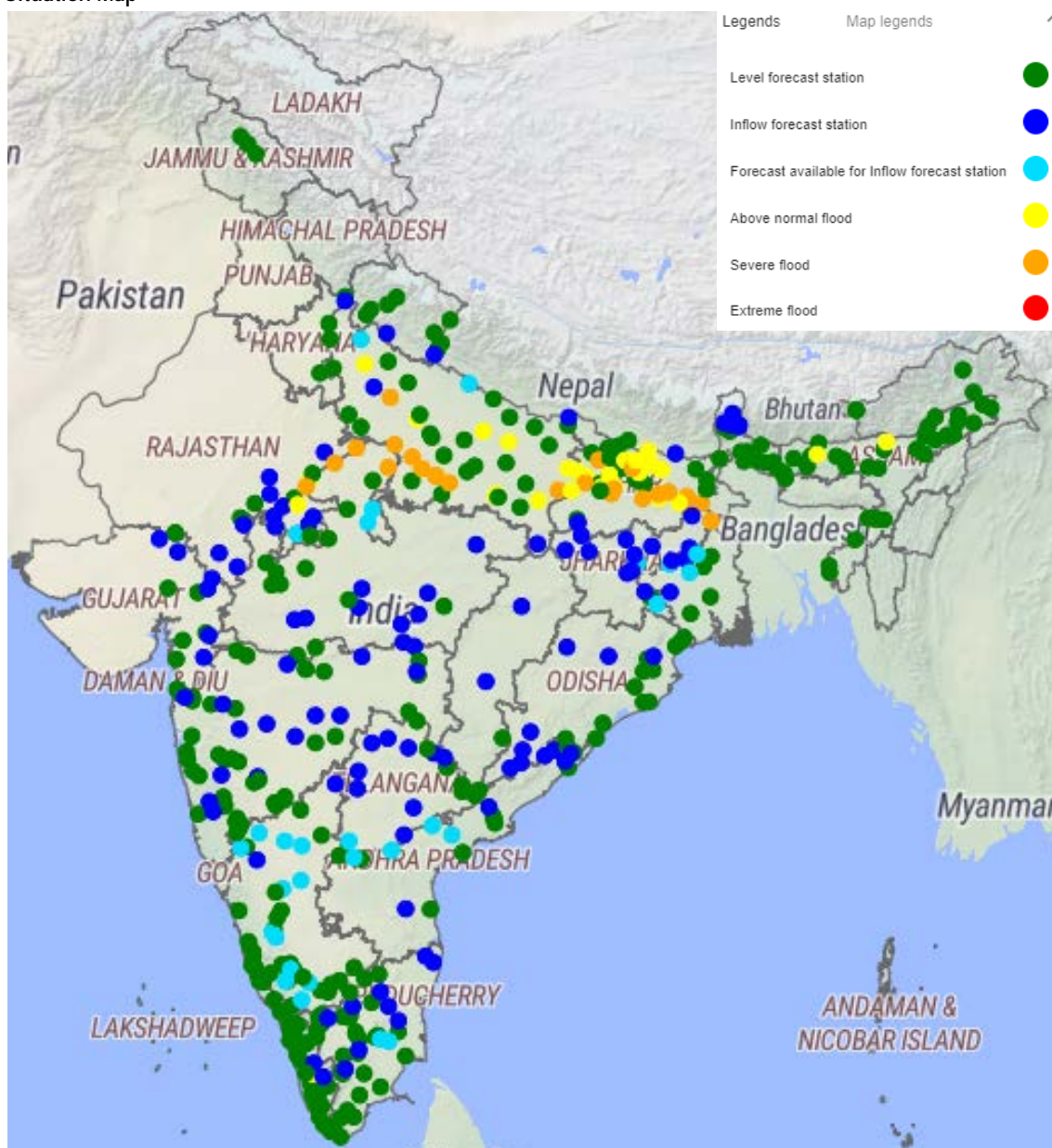
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 7th August, 2021, 26 Stations (11 in Bihar, 9 in Uttar Pradesh, 4 in Rajasthan and 1 each in Jharkhand & West Bengal) are flowing in Severe Flood Situation and 28 stations (14 in Bihar, 8 in Uttar Pradesh and 2 each in Assam & Rajasthan, 1 each in Uttar Pradesh & Uttarakhand) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 26 Barrages & Dams (11 in Karnataka, 3 each in Jharkhand, Andhra Pradesh & Uttar Pradesh, 2 each in Tamil Nadu & West Bengal and 1 each in Madhya Pradesh & Telangana).

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))	26
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	28
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)		26

Details are given at link: http://cwc.gov.in/sites/default/files/cfrcwcdfb-07.08.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2.1 Yamuna and its Tributaries - West Madhya Pradesh, East Rajasthan & Uttar Pradesh

As per IMD forecast, yesterday's Low Pressure Area now lies over Northern parts of East Madhya Pradesh (M.P.) and neighbourhood. IMD has predicted heavy rainfall in north-west M.P. for next 24 hrs. Hence, alert may be kept in the tributaries of Yamuna mainly Chambal, Betwa, Kalisindh and Parwati, mainly in districts such as **Ashoknagar, Guna, Shivpuri of M.P and Kota, Jhalawar, Swai Madhopur & Baran of Rajasthan.**

Due to persisting rainfall and releases from Kalisindh dam, **Kota** district on Kalisindh river is flowing above normal flood situation and Parwati river is flowing in severe flood situation with falling trend. Chambal in **Dholpur, Swai Madhopur & Karauli** districts are flowing in severe flood situations with falling trend. Water levels in Chambal and neighbouring tributaries of Yamuna is expected to fluctuate for next 1 or 2 days since the response of basins to rain events will be very high due to increased soil moisture. Such fluctuations will decrease subsequently with ceasing of rainfall over the area.

Flood wave that travelled from Chambal and other southern tributaries of Yamuna originating in east Rajasthan and West M.P., is currently travelling through main Yamuna stream. Currently regions in main Ganga after Yamuna confluence are also in above normal to severe flood situations. Main Yamuna is flowing in above normal to severe flood situations in districts **Etawah, Auraiya, Jalaun, Hamirpur, Banda & Prayagraj (U.P).**

Alert may be kept in downstream districts of U.P. on river Ganga after confluence with river Yamuna such as **Prayagraj, Mirzapur, Varanasi, Ghazipur and Ballia** during the next 3 to 4 days.

Kalisindh, Panchana and Ranapratap Sagar dams of Rajasthan are having high storages; hence releases from these dams may be done as per SOP by informing downstream Districts of lower riparian states. Rajghat dam (Ashok Nagar dt. of M.P.) and Matatila dam (Lalitpur of U.P.) on Betwa river are getting high inflows, and there are high releases from Rajghat dam (>8000 cumec).

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

Due to combined effect of river runoff from Yamuna and northern tributaries of Ganga, main **Ganga** is flowing in above normal to severe flood situations in districts **Varanasi, Ghazipur (U.P), Buxar, Patna, Munger, Bhagalpur (Bihar), Sahibganj (Jharkhand) & Murshirabad (West Bengal).** River **Ghaghra** in **Barabanki, Ayodhya & Ballia (Uttar Pradesh), Siwan (Bihar)** Districts and River **Ganga** in **Hapur, Badaun, Farrukhabad, Kanpur Nagar & Ballia (Uttar Pradesh)** districts are also flowing in Severe to Above Normal Flood Situation.

Currently River **Kosi** in **Khagaria, Supaul & Katihar** districts, River **Bagmati** in **Muzzafarpur** district, River **Gandak** in **Gopalganj & Muzaffarpur** districts, River **Adhwara** in **Darbhanga** District, Rivers **Kamla & Kamlabalan** in **Madhubani** district, River **Burhi Gandak** in **Khagaria** district, River **Parman** in **Araria** district and River **Ghaghra** in **Siwan** district (Bihar) are flowing in severe to above normal flood situations.

Inflow from Yamuna and its tributaries will further increase the water level of main Ganga stem in Bihar for next 3 to 4 days.

2.2.3 Godavari and Krishna basin– Maharashtra, Telangana, Andhra Pradesh & Karnataka

Godavari basin: Sriramsagar, Karanja, Sri PadaYellampally, Yeldari, Kaddam are having high storages. Releases are to be done as per SOP by informing downstream districts of lower riparian states.

Krishna Basin: Major dams such as Almati, Narayanpur, Tungabhadra, P.D. Jurala, Sunkesula barrage, Srisaillam, Koyna, Warana, Veer & Musi projects having high storages, hence, releases from these dams may be done as per SOP by informing downstream Districts of lower riparian states. Flood alert has already been issued in Andhra's Krishna district after gate of Pulichintala dam washes away. A high alert has been sounded in the villages in Guntur and the Krishna district along the course of the river.

2.2.4 Cauvery basin – Karnataka, Tamil Nadu

Inflows into Harangi, Hemavathi, Kabini and KRS dams are having steady trend. Close watch is to be maintained as the storages are high in most of the major projects. Necessary precautions may be taken for releases from dam after informing all downstream areas in Karnataka and lower riparian States. Releases from Kabini dam are being realised at Mettur dam of Salem and Dharmapuri district (Tamil Nadu).

2.2.5 Rivers of West Bengal

IMD has predicted heavy rainfall over West Bengal hence alert may be kept in districts Pashchim & Purba Bardhaman, North & South 24 Parganas, Howrah, Pashchim & East Medinipur as the flow in rivers Damodar, Mundeshwari, Dwarkeshwari, Rupnarayan and Ghatal is already high.

2.2.6 Brahmaputra and its tributaries - Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura

IMD has predicted heavy rains in the catchment of Brahmaputra and its tributaries and Barak & others in states Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura, hence alert may be kept. Currently river Jia Bharali at Sonitpur district and river Beki at Barpeta districts are flowing above normal flood situations.

2.2.7 West Flowing rivers from Tadri to Kanyakumari – Kerala

Currently above normal flood situations exist in river Thodupuzha in Idukki District. Also watch may be kept in Periyar river. IMD has predicted heavy rainfall over Kerala for next two days. Major dams (under KSEB) out of 17, 12 are having storages more than 60% and above.

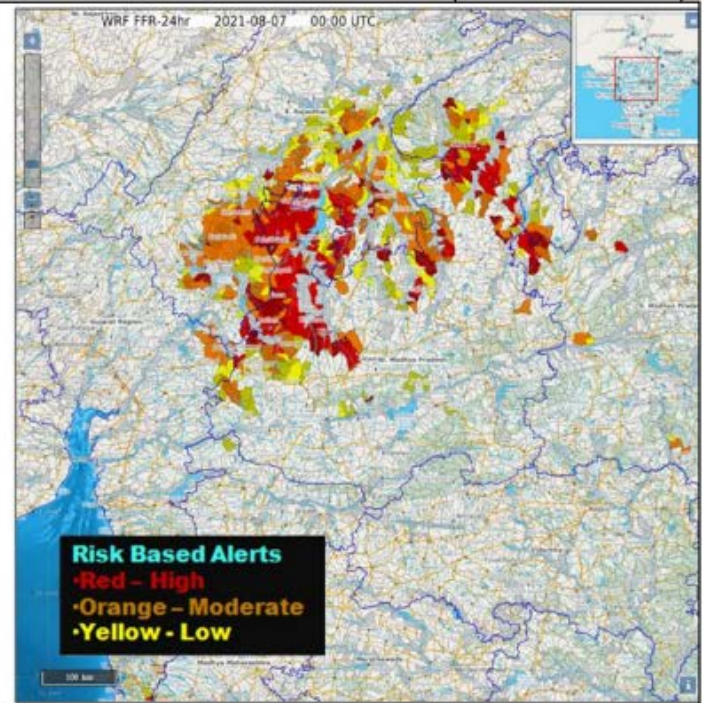
2.3 Flash Flood Guidance

IMD has issued flash flood risk over few watersheds and neighbourhood of West Madhya Pradesh and East Rajasthan met subdivisions.

24 hours Flash Flood Risk (FFR) **Outlook till 0530 IST of 08.08.2021:**

Moderate Risk over few watersheds and neighborhood of West Madhya Pradesh and East Rajasthan 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 forecast rainfall in next 24 hours.**



3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 06thAugust2021

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:

QPF categories (t)	Storage above 85%	
	Storage above 60%	

#	Reservoir/Dams	River/Sub-Basin /Basin	State	US/ DS District	Rainfall situation				
					Day 1	Day 2	Day 3	Day 4	Day 5
1	Srisalam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal (Telangana), Kurnool(AP)/Nalgonda(Telangana), Guntoor (AP)					
2	Musi	Musi/Lower Krishna/ Krishna	Telangana	Nalgonda					
3	Sri padaYellampally	Godavari/Middle Godavari/Godavari	Telangana	Mancherial/ JaishankarBhupalpally					
4	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Telangana	Nanded (Mah)/Nirmal (Telangana)					
5	Kaddam	Kaddam/Middle Godavari/Godavari	Telangana	Adilabad, Nirmal/ Mancherial					
6	PD Jurala	Krishna/ Middle Krishna/Krishna	Telangana	Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Telangana)					
7	Panchet	Damodar/Damodar East/ Ganga	Jharkhand	Dhanbad, Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB)					
8	Maithon	Barakar/Barakar East/Ganga	Jharkhand	Dhanbad, Jamtara (Jharkhand)/ Puruliya, PaschimBardhaman, Bankura (WB)					
9	Kabini	Kabini/Kabini/ Cauvery	Karnataka	Wayanad (Kerala)/ Mysuru (Karnataka)					
10	Harangi	Cauvery/Upper Cauvery/Cauvery	Karnataka	Kodagu/Mandya					
11	Karanja	Karanja/Manjera/Godavari	Karnataka	Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)					
12	Almatti	Krishna/Upper Krishna/Krishna	Karnataka	Kolhapur(Mah)/ Bagalkote(Kar)					
13	Narayanpur	Krishna/Upper Krishna/Krishna	Karnataka	Bagalkot, Vijayapura/ Raichur, Yaadgir					
14	KRS	Cauvery/Middle Cauvery/Cauvery	Karnataka	Mandya, Mysore					
15	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Karnataka	Gadag/Bellary, Koppal, Raichur					
16	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Karnataka	Hassan, Kodagu/Mandya, Mysore					
17	Bhadra	Bhadra/Upper Tungabhadra/Krishna	Karnataka	Chikmagalur/Shimoga					
18	Hidkal	Ghataprabha/Ghataprabha/Krishna	Karnataka	Kolhapur (Mah)/ Belgaum (Kar)					
19	Malaprabha	Malaprabha/Malaprabha/Krishna	Karnataka	Belgaum					
20	Warana	Warana/Upper Krishna/Krishna	Maharashtra	Kolhapur, Sangli					
21	Koyna	Koyna/ Upper Krishna/Krishna	Maharashtra	Satara/Kolhapur, Sangli					
22	Yeldari	Purna/Purna/Godavari	Maharashtra	Parbhani, Hingoli					
23	Totladoh	Pench/Wainganga/Godavari	Maharashtra	Chindwara(MP)/Nagpur(Mah)					
24	Isapur	Penganga/Penganga/Godavari	Maharashtra	Hingoli, Yavatmal/Yavatmal,Nanded					
25	Veer	Nira/Upper Bhima/Krishna	Maharashtra	Pune, Satara					
26	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
27	Kalisindh	Kalisindh/Upper Chambal/Ganga	Rajasthan	Shajapur, Rajgarh(MP)/Jhalawar(Raj)					
28	Panchana	Gambhiri/Upper Chambal/Ganga	Rajasthan	Karauli					
29	Gudha	Mejchambal/Upper Chambal/Ganga	Rajasthan	Bhilwara/Bundi					
30	SomKamlaAmba	Som/Mahi B/Mahi	Rajasthan	Udaipur/ Dungarpur					
31	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery &Kanyakumari	TN	Theni/Madurai					
32	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
33	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Kerala	Idduki/Ernakulam					
34	Edamalyar	Periyar/Upper Periyar/West flowing	Kerala	Ernakulam					

		rivers from Tadri to Kanyakumari							
35	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
36	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
37	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
38	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					

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.