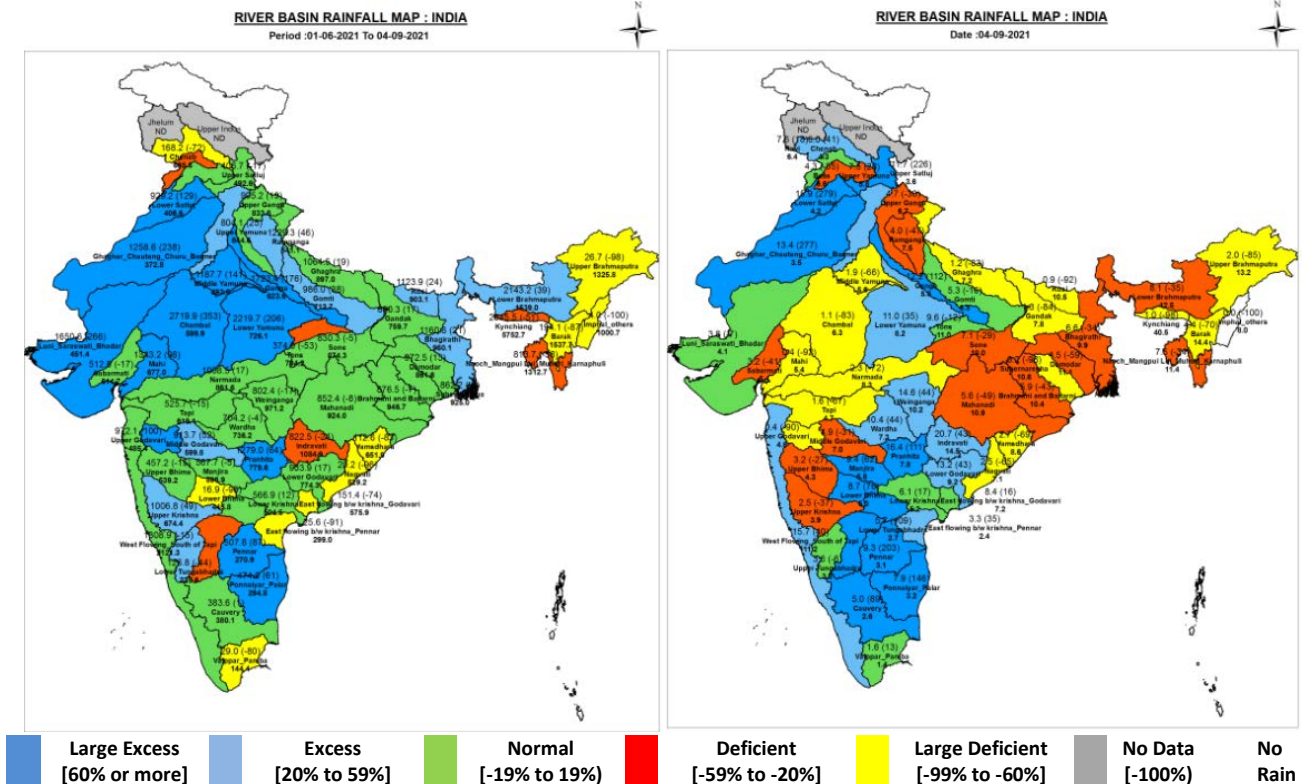




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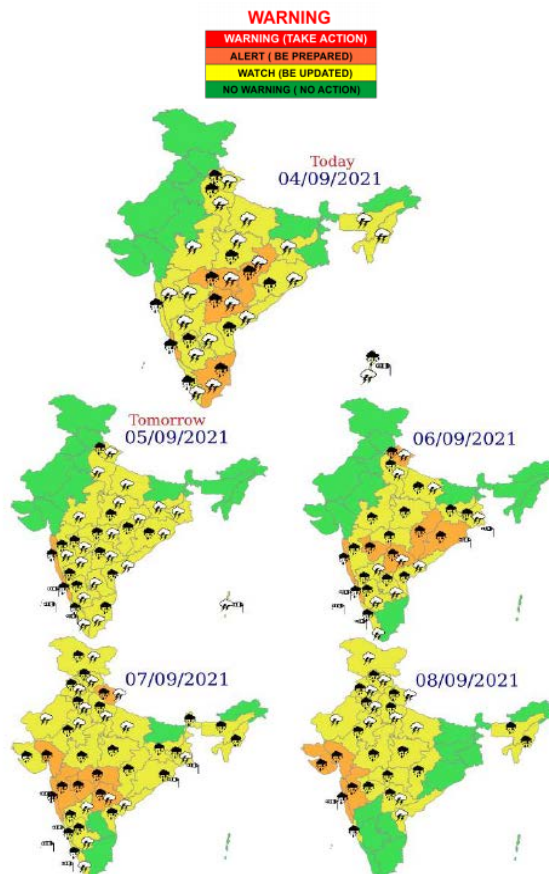
1.0 Rainfall Situation

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 04th September, 2021 (Midday) by IMD



- Very heavy rainfall at isolated places over Vidarbha on 04th; over Chhattisgarh and Telangana on 04th& 06th; over Uttarakhand, Marathwada and Odisha on 06th; Konkan & Goa on 05th & 06th; Madhya Maharashtra on 07th; Coastal Karnataka on 04th – 06th and over Tamilnadu on 04th September, 2021.

2.0 Flood Situation and Advisories

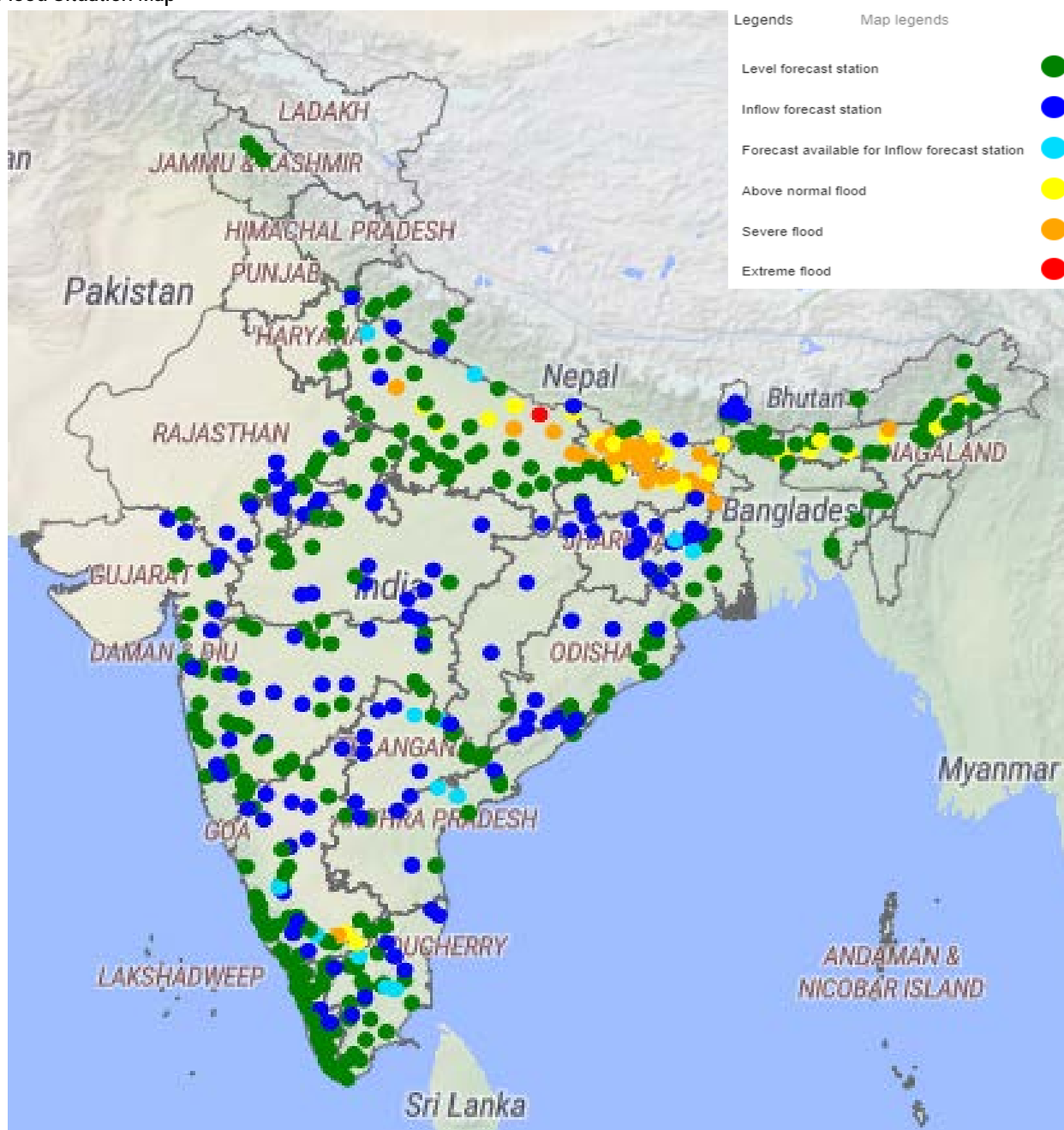
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 04th September, 2021, 1 station in Uttar Pradesh is flowing in Extreme Flood Situation, 30 Stations (21 in Bihar, 4 in Uttar Pradesh, 2 in Assam and 1 each in Jharkhand, Karnataka & West Bengal) are flowing in Severe Flood Situation and 24 stations (10 in Bihar, 7 in Assam, 5 in Uttar Pradesh and 1 each in Karnataka & Tamilnadu) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 13 Barrages & Dams (3 in Tamilnadu, 2 each in Andhra Pradesh, Karnataka, Telangana & Uttar Pradesh and 1 each in Jharkhand & West Bengal).

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)	1
B	Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL))	30
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)		55
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)		13

Details are given at link:http://cwc.gov.in/sites/default/files/cfrcwcdfb-04.09.2021-2_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

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

2.2.1.1 Uttar Pradesh

Presently, river **Ghagra** is flowing above Danger Level in **Ayodhya & Ballia** districts with receding trends. River **Rapti** is flowing in extreme to severe flood situations in **Balrampur, Siddharth Nagar & Gorakhpur** districts with falling trends. River **Gandak** in **Kushinagar** district is flowing in above normal flood situation with falling trend. Main Ganga is flowing in severe to above normal flood situation in middle reaches such as Budaun, Kanpur Nagar and Farrukhabad with falling trend. In coming days, it is expected that flooding situation will gradually recede in all river systems.

2.2.1.2 Bihar

Presently, river **Ghagra** is flowing above Danger Level in **Siwan** district with falling trend. River **Gandak** in **Purba Champaran, Gopalganj, Muzaffarpur & Vaishali**, River **Burhi Gandak** in **Purba Champaran, Muzaffarpur, Samastipur & Khagaria**, River **Bagmati** in **Muzzafarpur & Darbhanga**, River **Adhwara** in **Darbhanga**, 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. Rivers such as Kosi & Mahananda are flowing in rising trends. Gandak, Parman, Bagmati, Adhwara, Kamla, Kosi & Mahananda are having falling trends. River Burhi Gandak is flowing in rising trend in upper reaches and in falling trend in lower reaches. Main Ganga River is flowing in above normal to severe flood situations in districts **Patna, Munger, Bhagalpur** districts with falling trend. As the tail end sites of northern side tributaries of Ganga such as Ghagra, Gandak, Kosi are in severe flood situations, the existing flood situation in Ganga from Patna to Murshirabad is likely to continue for coming days. Overall, it is expected that flooding situation will gradually recede in all river systems in coming days.

2.2.1.3 Jharkhand

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

2.2.1.4 West Bengal

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

2.2.2 Brahmaputra and its tributaries - 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 with falling trends. Also tributaries of Brahmaputra namely **Beki** river in **Barpeta**, **Jia-Bharali** river in **Sonitpur**, river **Sankosh** in **Dhubri** districts are flowing in above normal to severe flood situations with falling trends. Overall, all river system has receded and flooding situation is expected to be normal in coming days.

2.2.3 Cauvery, Rivers of Tamil Nadu, Tapi to Tadri, Tadri to Kanyakumari – Karnataka, Kerala and Tamilnadu

2.2.3.1 Kerala

There is rainfall alert in **Nilgris** district and neighbourhood. Heavy inflows are expected in Idukki and Edamalayar dams. As storages are more than 70%, proper reservoir operation as per standard operating manuals should be done after informing downstream areas in advance.

2.2.3.2 Tamil nadu

Alert may be kept in **Nilgris** district. **Water level are expected to rise in** rivers Cauvery, Bhavani & Moyar, etc.

2.2.3.3 Karnataka

Heavy rainfall alert is for districts such as **Uttar Kannada, Udupi & Dakshin Kannada**, Hence, water level is expected to rise in rivers such as Gurgur, Netravathi, Kumaradhara, Aghanasini, Sita, Haladi, Shambhavi & Swarna.

2.2.4 Godavari basin – Telangana

Heavy rainfall has been predicted in Telangana for next 2 days. Alert may be in districts B. Kothagudam, **Jayashankar Bhoopalpally, Khammam, Mulugu, Mahabubabad, Jangaon, Warangal (Rural), Warangal (Urban), Yadadri Bhuvanagiri & Suryapet**. At present Manjira dam is having above 65% storage and Srirasagar, Sripada Yellampally and Kaddam dam are having above 90% storages, hence proper reservoir operation as per standard operating manuals should be done after informing downstream areas in advance.

3.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 04th 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 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	Mancherla/ JaishankarBhupalpally					
6	Sriramsagar Project	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah)/Nirmal (Tel)					
7	Kaddam	Kaddam/Middle Godavari/Godavari	Tel	Adilabad, Nirmal/ Mancherla					
8	PD Jurala	Krishna/ Middle Krishna/Krishna	Tel	Raichur(Kar)/Kurnool(Andhra Pradesh),JogulambaGadwal(Tel)					
9	Singur	Manjira/Manjira/Godavari	Tel	Medak					
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, Yadgir					
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/UpperTungabhadra/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	Majlegaon	Sindhphana/Middle Godavari/Godavari	Mah	Bid/Parbhani					
36	Gosikhurd	Wainganga/Wainganga/Godavari	Mah	Nagpur, Bhandara/Chandrapur, Gadchiroli					
37	Rana PratapSagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur,Kota, Bundi(Raj)					
38	Parwati	Parbati/Kalisindh/Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
39	Panchana	Gambhiri/Upper Chambal/Ganga	Raj	Karauli					
40	Gudha	Mejchambal/UpperChambal/Ganga	Raj	Bhilwara/Bundi					
41	Kalisindh	Kalisindh/Upper Chambal/Ganga	Raj	Jhalawar, Kota					
42	SomKamlaAmba	Som/Mahi B/Mahi	Raj	Udaipur/ Dungarpur					
43	Mahi Bajaj Sagar	Mahi/Mahi B/Mahi	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					
44	Vaigai	Vaigai/Upper Vaigai/EF Rivers b/w Cauvery &Kanyakumari	TN	Theni/Madurai					
45	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri (TN), Coimbatore (TN)/ Erode (TN)					
46	Idukki	Periyar/Upper Periyar/West Flowing Rivers from Tadri to Kanyakumari	Kerala	Idduki/Ernakulam					
47	Edamalyar	Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Ernakulam					
48	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
49	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
50	Gandhi Sagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch (MP)/ Dholpur (Raj)					
51	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar (MP), Lalitpur (UP)/ Shivpuri, Lalitpur (UP)					
52	Bansagar	Sone/Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
53	Sanjay Sarovar	Wainganga/Wainganga/Godavari	MP	Seoni/Balaghat					
54	Rengali	Brahmani River/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Deogarh/Angul, Dhenkanal					
55	Hirakud	Mahanadi/Upper Mahanadi/Mahanadi	Odisha	JanjgirChampa, Raigarh(Chsgrh), Jharsuguda, Bargarh, Sambalpur(Odisha)/Subarnapur, Baudh, Anugul (Odisha)					
56	Ukai	Tapi/Lower Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
57	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.