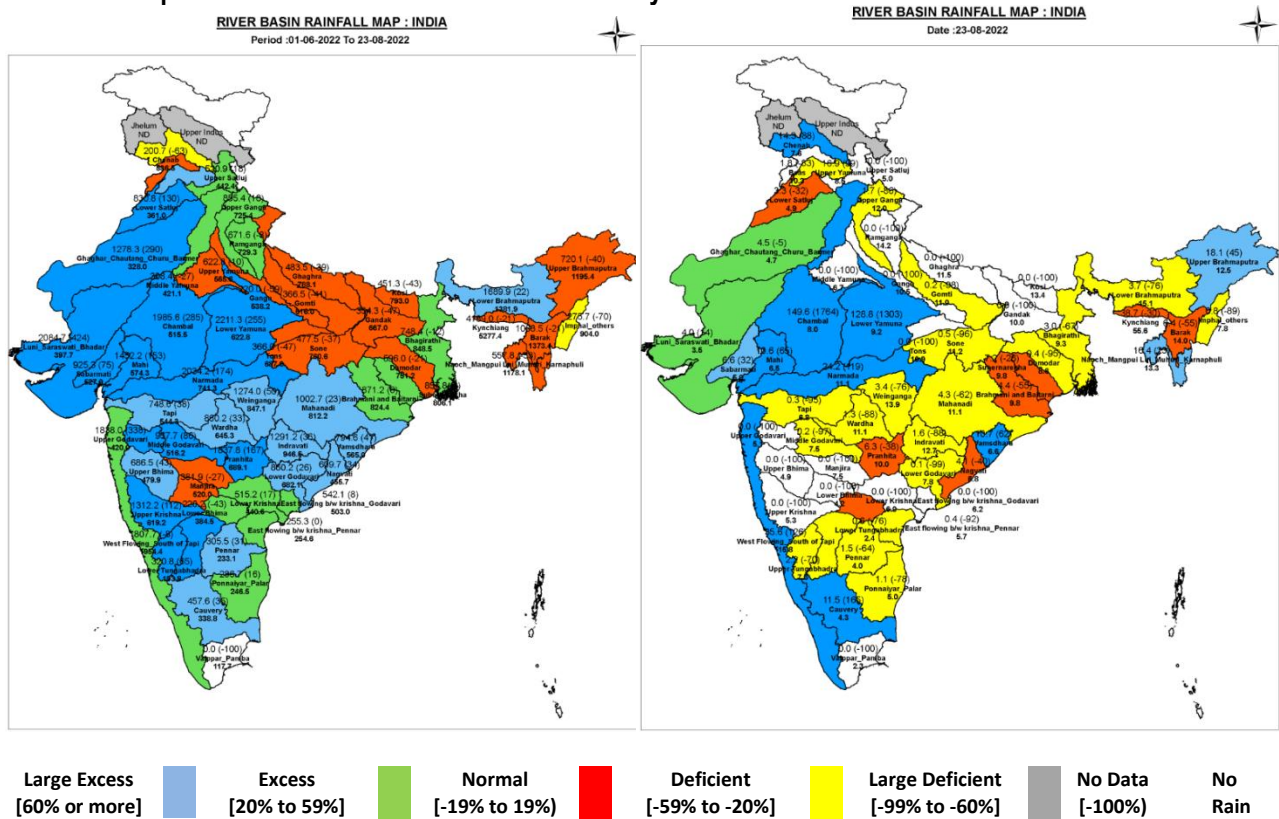




Central Water Commission
Daily Flood Situation Report cum Advisories
23-08-2022

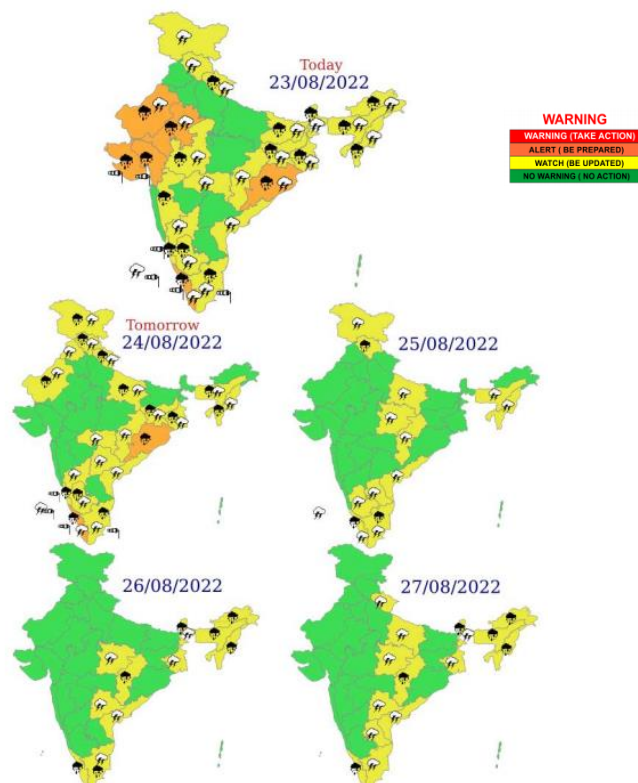
1.0 Rainfall Situation

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 23rd August 2022 (Midday) by IMD



Isolated very heavy rainfall over north Gujarat State and south Rajasthan on 23rd and over Kerala & Mahe and Odisha on 23rd & 24th August, 2022.

2.0 Flood Situation and Advisories

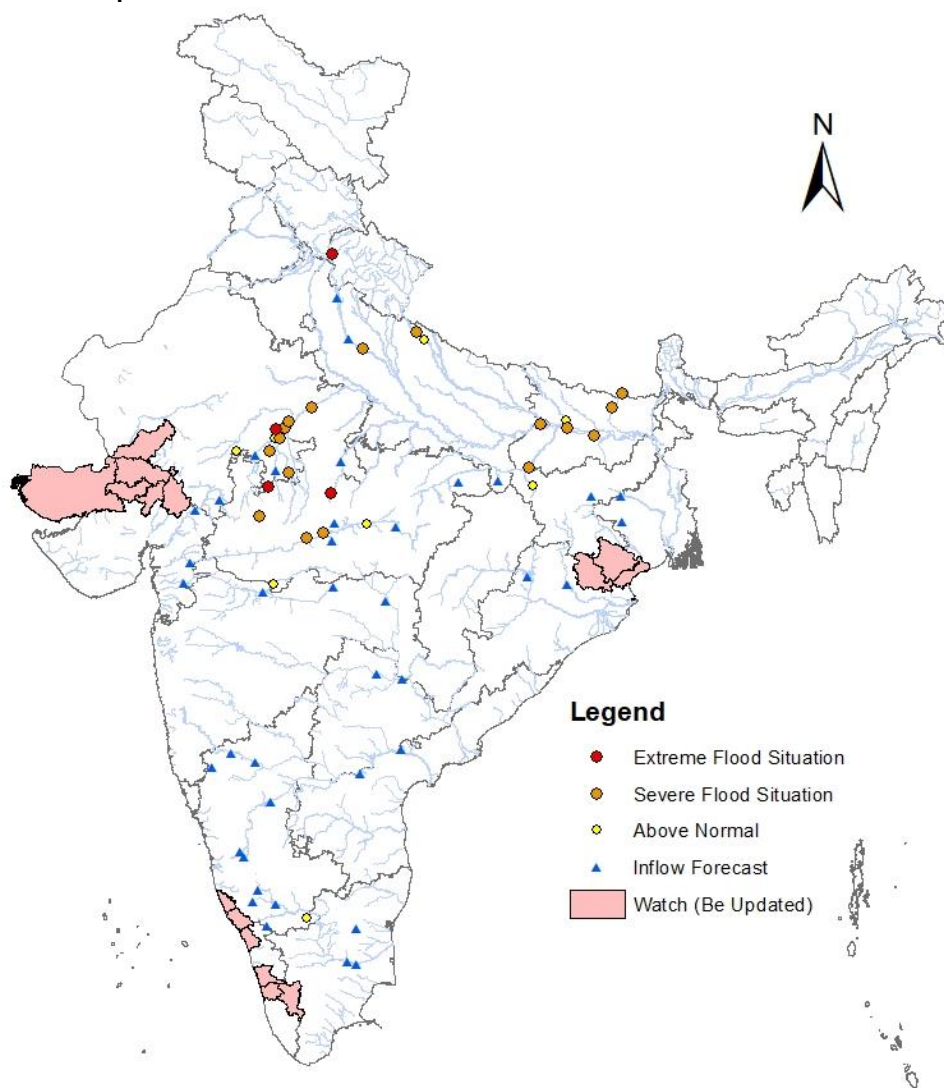
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 23rd August 2022, 11 stations (3 each in Bihar, Rajasthan & Uttar Pradesh, and 1 each in Madhya Pradesh & Odisha) are flowing in Severe Flood Situation, 18 stations (10 in Bihar, 5 in Uttar Pradesh, 1 each in Jharkhand, West Bengal & Odisha) are flowing in Above Normal Flood Situation). Inflow Forecast has been issued for 43 Barrage & Dams (10 in Karnataka, 7 in Madhya Pradesh, 4 each in Andhra Pradesh & Gujarat 3 each Jharkhand, Maharashtra, Telangana, Uttar Pradesh & Rajasthan and 1 in 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))	11
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	18
Total number of sites above Warning Level (A+B+C)		29
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)		43

Details are given at link: http://www.cwc.gov.in/sites/default/files/cfrcwcdfb23-08-2022_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

Rajasthan

Heavy to very heavy rainfall at isolated places very likely over southern parts of Rajasthan on 23rd August 2022 and heavy rainfall at isolated places is likely over west Rajasthan on 24th August 2022. High flows are expected mainly in Chambal, Mahi, Som, Banas & Sabarmati Basins in next 1 to 2 days. Alert for water level rise may be kept in river Banas in **Sawai Madhopur, Chittorgarh and Tonk** dists., river Chambal in **Bundi, Kota, Baran, Jhalawar** districts, river Mahi & Som in **Dungarpur, Banswada** districts, river Sabarmati in **Udaipur** district. The flood situation existing in state as per CWC network is as given below:

District	CWC Site	River	Flood Situation	Water level Trend
Bundi	Lakheri	Mej	Extreme	Rising
Kota	Barod	Kalsindh	Severe	Rising
Kota	Khatoli	Parwati	Severe	Rising
Kota	Kota City	Chambal	Severe	Rising
Jhalawar	Aklara	Parwan	Severe	Rising
Sawai Madhopur	Pali	Chambal	Severe	Rising
Karauli	Manderial	Chambal	Severe	Rising
Dholpur	Dholpur	Chambal	Severe	Rising

High inflow of rivers Chambal, Ken, Betwa, etc and their tributaries after confluence will contribute to rise in water level of Yamuna & Ganga and may lead to severe flooding situation (above danger level).

Madhya Pradesh

Though depression has crossed Madhya Pradesh but due to rainfall occurred in last few days and heavy rainfall with thunderstorms expected over West Madhya Pradesh on 23rd August, 2022 water level in Narmada, Betwa, Ken etc. is expected to rise that will lead to increased inflow in reservoirs on these rivers. High inflow of the rivers Betwa, Ken, Sone etc. after confluence with Yamuna will contribute to rise in water level. The dams in these catchments may be operated as per SOP and releases may be done after informing lower riparian areas.

The flood situation existing in state as per CWC network is as given below:

District	CWC Site	River	Flood Situation	Water level Trend
Vidisha	Basoda	Betwa	Extreme	Falling
Hoshangabad	Hoshangabad	Narmada	Severe	Steady
Ujjain	Ujjain	Shipra	Severe	Rising
Mandsaur	Mandsaur	Shivna	Severe	Falling

Gujarat

As the upper part of rivers such as Tapi, Narmada, Mahi & Sabarmati are expected to get very heavy rains on 23rd August 2022, alert for water level rise may be kept in Gujarat part of these rivers. Sardar Sarovar and Ukai dam may be operated as per SOP and releases may be done after informing lower riparian areas.

Odisha

Although the depression has passed through Odisha, but heavy to very heavy rainfall is expected on 23rd and 24th August 2022. Rivers in coastal parts of the state are flowing in severe to above normal flood situation at certain locations. The flood situation existing in state as per CWC network is as given below:

District	CWC Site	River	Flood Situation	Water level Trend
Baleshwar	Mathani Rd Bridge	Jalka (Subarnarekha basin)	Severe	Steady
Baleshwar	Rajghat	Subarnarekha	Above Normal	Falling

Uttar Pradesh and Bihar

Due to heavy rainfall in catchments of rivers in the states of Rajasthan and Madhya Pradesh over last few days, as explained above, the water levels in main Ganga river is expected to rise above danger level. Watch may be kept in the districts of UP such as Prayagraj, Varanasi, Banda, Ballia, Ghazipur, Jalaun and the districts of Bihar such as Patna, Khagaria, Bhagalpur, Buxar.

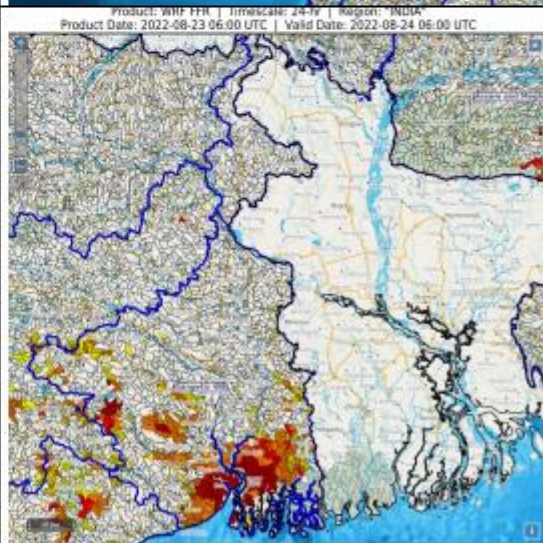
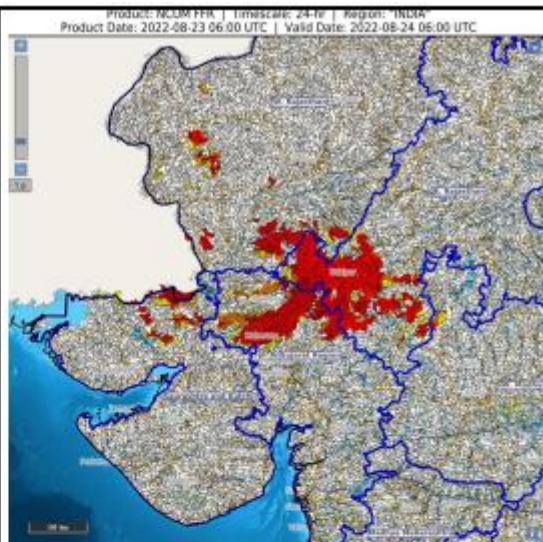
2.3. Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 24.08.2022:

Moderate Flash Flood Risk over southern part of West Rajasthan, East Rajasthan, northern part of Kutch and Gujarat Met Sub-divisions likely in next 24 hours.

Moderate Flash Flood Risk over Gangetic West Bengal Met Sub-division likely 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 persistent rainfall in next 24 hours.



3.0 Advisory Flood Forecast for next 5-days

The flood situation at Flood Forecasting Stations likely to be above warning level for next 5 days:

S.No.	Station	River	District	State	24-08-2022	25-08-2022	26-08-2022	27-08-2022	28-08-2022
1	ALLAHABAD	GANGA	Allahabad	Uttar Pradesh	N	AN	S	AN	N
2	AURAIYA	YAMUNA	Jalaun	Uttar Pradesh	S	S	AN	N	N
3	BALLIA	GANGA	Ballia	Uttar Pradesh	S	S	S	S	S
4	BANDA	KEN	Banda	Uttar Pradesh	S	N	N	N	N
5	BASUA	KOSI	Supaul	Bihar	S	S	S	S	S
6	BENIBAD	BAGMATI	Muzaffarpur	Bihar	AN	AN	AN	AN	S
7	BUXAR	GANGA	Buxar	Bihar	AN	AN	S	S	S
8	CHILLAGHAT	YAMUNA	Fatehpur	Uttar Pradesh	AN	S	S	N	N
9	DELHI_RLY_BRG	YAMUNA	North	NCT of Delhi	N	N	AN	S	S
10	GHAZIPUR	GANGA	Ghazipur	Uttar Pradesh	AN	AN	S	S	S
11	HAMIRPUR	YAMUNA	Kanpur Nagar	Uttar Pradesh	S	S	S	N	N
12	HATHIDAH	GANGA	Patna	Bihar	S	S	S	S	S
13	KACHHLABRIDGE	GANGA	Budaun	Uttar Pradesh	S	S	S	S	S
14	KAHALGAON	GANGA	Bhagalpur	Bihar	AN	AN	AN	AN	S
15	KALPI	YAMUNA	Jalaun	Uttar Pradesh	S	S	S	N	N
16	KURSELA	KOSI	Katihar	Bihar	S	S	S	S	S
17	MIRZAPUR	GANGA	Mirzapur	Uttar Pradesh	N	AN	S	S	AN
18	NAINI	YAMUNA	Allahabad	Uttar Pradesh	N	S	S	S	AN
19	PATNAGANDHIGHAT	GANGA	Patna	Bihar	S	AN	AN	S	S
20	PHAPHAMAU	GANGA	Allahabad	Uttar Pradesh	N	S	S	S	AN
21	SAHIBGANJ	GANGA	Sahibganj	Jharkhand	AN	AN	S	S	S
22	VARANASI	GANGA	Varanasi	Uttar Pradesh	N	AN	S	S	S
23	KOTA_CITY	CHAMBAL	kota	Rajasthan	S	S	S	S	S
24	DHOLPUR	CHAMBAL	Dholpur	Rajasthan	S	S	S	N	N
25	MANDERIAL	CHAMBAL	Karauli	Rajasthan	S	N	N	N	N
26	AKHUAPADA	BAITRANI	BHADRAK	Odisha	N	S	S	S	S
27	BHARUCH	NARMADA	Bharuch	Gujarat	S	S	AN	N	N
28	RAJGHAT	SUBARNAREKHA	Baleshwar	Odisha	S	S	S	S	S
29	KASHINAGAR	VAMSADHARA	Srikakulam	Andhra Pradesh	N	S	S	AN	AN
30	MATHANIRB	JALKA	Baleshwar	Odisha	S	S	S	S	S
31	ARARIA	PARMAN	Araria	Bihar	N	AN	AN	AN	S

32	AYODHYA	GHAGRA	Faizabad	Uttar Pradesh	AN	AN	AN	AN	N
33	BALTARA	KOSI	Khagaria	Bihar	AN	AN	AN	AN	AN
34	BHAGALPUR	GANGA	Bhagalpur	Bihar	AN	AN	AN	AN	AN
35	DHENGRAGHAT	MAHANANDA	Purnia	Bihar	N	N	N	AN	AN
36	DIGHAGHAT	GANGA	Patna	Bihar	AN	AN	AN	AN	AN
37	ELGINBRIDGE	GHAGRA	Bahraich	Uttar Pradesh	AN	AN	AN	AN	AN
38	ETAWAH	YAMUNA	Etawah	Uttar Pradesh	AN	AN	N	N	N
39	FATEHGARH	GANGA	Farrukhabad	Uttar Pradesh	AN	AN	AN	AN	AN
40	GARHMUKTESHWAR	GANGA	Jyotiba Phule Nagar	Uttar Pradesh	N	N	N	AN	AN
41	JHANJHARPUR	KAMLA	Madhubani	Bihar	N	AN	AN	AN	AN
42	KHADDA	GANDAK	Kushinagar	Uttar Pradesh	N	N	N	N	AN
43	KHAGARIA	BURHI GANDAK	Khagaria	Bihar	AN	AN	AN	AN	AN
44	MANER	SONE	Bhojpur	Bihar	AN	AN	AN	AN	AN
45	MOHANA	BETWA	Bulandshahr	Uttar Pradesh	AN	N	N	N	N
46	SHAHIJINA	BETWA	Hamirpur	Uttar Pradesh	N	AN	N	N	N
47	DUMARIAGHAT	GANDAK	Gopalganj	Bihar	AN	AN	AN	AN	AN
48	DHENG_BRIDGE	BAGMATI	Sitamarhi	Bihar	N	N	N	N	AN
49	RUNISAIDPUR	BAGMATI	Sitamarhi	Bihar	N	N	N	AN	AN
50	FARAKKA_BG	GANGA	Murshidabad	West Bengal	AN	AN	AN	AN	AN
51	BADATIGHAT	SUBANSARI	Lakhimpur	Assam	AN	N	N	N	N
52	BEKI_NH_CROSSING	BEKI	Barpeta	Assam	N	AN	AN	AN	AN
53	KHOWANG	BURIDEHING	Dibrugarh	Assam	AN	AN	AN	AN	N
54	DIBRUGARH	BHRAMPUTRA	Dhemaji	Assam	N	AN	AN	AN	AN
55	JIABHARALI_NT_X	JAIBHARALI	Sonitpur	Assam	N	N	N	N	AN
56	NEAMATIGHAT	BHRAMPUTRA	Jorhat	Assam	N	AN	AN	AN	AN
57	NUMALIGARH	DHANSARI	Golaghat	Assam	N	N	AN	AN	AN
58	SHIVSAGAR	DIKHOW	Shivsagar	Assam	N	N	AN	AN	N
59	NH_X_RANGANADI	RANGANADI	Lakhimpur	Assam	AN	AN	AN	AN	AN
60	MANDLA	NARMADA	Mandla	Madhya Pradesh	N	N	N	N	AN
61	HOSHANGABAD	NARMADA	Hoshangabad	Madhya Pradesh	AN	N	N	N	N
62	GUNUPUR	VAMSADHARA	Rayagada	Odisha	N	AN	N	N	N

Abbreviation: N: Normal Flood Situation, AN: Normal Flood Situation, S: Severe Flood Situation, E: Extreme Flood Situation

For more details, please visit <https://ffs.india-water.gov.in/> for flood forecast monitoring & short range flood forecast and <https://aff.india water.gov.in/> for medium range flood forecast.

Extreme Flood Situation: (Site (s) where the previous Highest Flood Level (HFL) is exceeded or equalled).

Severe Flood Situation: (Site (s) where water level is touching or exceeding the Danger Level but below Highest Flood Level (HFL)).

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

4.0 Storage Position in Dams where Inflow forecast is being issued by CWC as on 23rd August 2022

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	Srisaillam	Krishna/Lower Krishna/Krishna	AP	JogulambaGadwal(Telangana), Kurnool(AP)/ Nalgonda(Telangana), Guntoor (AP)					
3	Somasila	Pennar/Lower Pennar/Pennar	AP	Kadapa(AP)/Nellore(AP)					
4	Madduvalasa	Nagavalli/Nagavalli/EFR Mahanadi & Godavari	AP	Vizianagaram(AP)/Srikakulam(AP)					
5	Musi	Musi/Lower Krishna/ Krishna	Tel	Nalgonda					
6	Sriramasagar	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah), Nirmal(Telangana)/Metpally, Mancherial(Telangana)					
7	SripadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/JaishankarBhupalpally					
8	Singur	Manjira/Manjira/Godavari	Tel	Bidar(Kar)/Sangareddy(Telangana)					
9	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
10	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/JogalambaGadwal(Telangana)					
11	Ukai	Tapi/Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
12	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
13	Harangi	Cauvery/Upper Cauvery/Cauvery	Kar	Kodagu/Mandya					
14	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
15	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)					
16	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
17	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Ker)/Mysuru(Kar)					
18	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/Shimoga					
19	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
20	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
21	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
22	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Maharashtra)/ Bagalkote(Karnataka)					
23	Idukki	Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Theni (Tamil Nadu), Ernakulam					
24	Edamalayar	Edamalayar/Middle Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Coimbatore (Tamil Nadu)					
25	Koyna	Koyna/Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
26	Warana	Warna river/Upper Krishna/Krishna	Mah	Sangli,Kolhapur					
27	Veer	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
28	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
29	Yeldari	Purna/Purna/Godavari	Mah	Hingoli, Parbhani/Nanded					
30	Upper Wardha	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
31	Issapur	Kayadhu/Penganga/Godavari	Mah	Hingoli, Yavatmal					
32	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
33	Jaikwadi	Godavari/Upper Godavari/Godavari	Mah	Aurangabad, Ahmadnagar/Bid, Jalna					
34	Mula	Mula/Upper Godavari/Godavari	Mah	Ahmadnagar					
35	Salandi	Salandi/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Mayurbhanj,Kendujhar/Bhadrak					
36	Upper Indravathi	Indravati/Indravati/Godavari	Odisha	Kalahandi,Nabarangpur, Koraput/Norangpur(Odisha), Bastra(Chsgrh)					
37	Bango	Hasdeo/Upper Mahanadi/Mahanadi	Chhattis	Gurguja/Korea, Korba					
38	Ravi Shankar	Mahanadhi/Upper Mahanadi/Mahanadi	Chhatt	Kanker/Gariaband					
39	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri(TN), Coimbatore (TN)/ Erode (TN)					

40	Mettur	Cauvery/Middle Cauvery/Cauvery	TN	Dharmapuri, Salem/Erode, Namakkal					
41	Vaigai	Vaigai/Upper Vaigai/East flowing rivers South of Cauvery Basin	TN	Theni/Madurai					
42	Sathanur Dam	Ponnaiar/Middle South Pennar/East flowing rivers between Pennar and Cauvery Basin	TN	Dharmapuri, Tiruvannamalai/Villupuram, Cuddalore					
43	SomKamlaAmba	Som/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
44	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur, Kota, Bundi(Raj)					
45	Gudha	Mejchambal/Upper Chambal/Ganga	Raj	Bhilwara/Bundi					
46	Parwati	Parbati/ Kalisindh/Upper Chambal	Raj	Baran (Raj)/Baran (Raj), Kota (Raj), Sheopur (MP)					
47	MahiBajajsagar	Mahi/Upper Mahi/Mahi Basin	Raj	Ratlam(MP)/Banswara, Pratapgarh,Dungapur (Raj)					
48	Gambhiri	Gambhiri/Upper Chambal/Ganga	Raj	Chittorgarh					
49	Gandhisagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					
50	Tawa	Tawa/Middle Narmada/Narmada	MP	Betul,Hoshnabad/Sehore					
51	Rajghat	Betwa/Betwa/Ganga	MP	Ashoknagar(MP), Lalitpur(UP)/Shivpuri, Lalitpur(UP)					
52	Barna	Barna/Middle Narmada/Narmada	MP	Raisen/Hoshangabad,Narsinghpur					
53	Indira Sagar	Narmada/Narmada b/w Hosangabad to SSP/Narmada	MP	Harda, Dewas, Khandwa/Khargone					
54	Upper Wainganga	Wainganga/Wainganga/Godavari	MP	Seoni/Balaghat					
55	Bargi	Narmada/Upper Narmada/Narmada	MP	Mandla, Seoni/Jabalpur, Narsimhapur					
56	Bansagar	Sone/Sone/Ganga	MP	Katni, Umaria, Shahdol, Satna/ Rewa, Sidhi					
57	SardarSarovar	Narmada/Narmada b/w Hosangabad to SSP/Narmada	Guj	Narmada(Guj), Nadurbar(MP)/Narmada, Vadodra, Bharuch (Guj)					
58	Kadana	Mahi/Middle Mahi/Mahi Basin	Guj	Banswara (Raj)/Mahisagar,Panchmahals(Guj)					
59	Dharoi	Sabarmati /Middle Sabarmati/Sabarmati Basin	Guj	Sabarkantha/Mehsana (Guj)					
60	Dantiwada	Banas/Banas A/West Flowing Rivers of Kutch and Saurashtra including Luni	Guj	Sirohi (Raj), Banaskanta(Guj)/Patan(Guj)					
61	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.