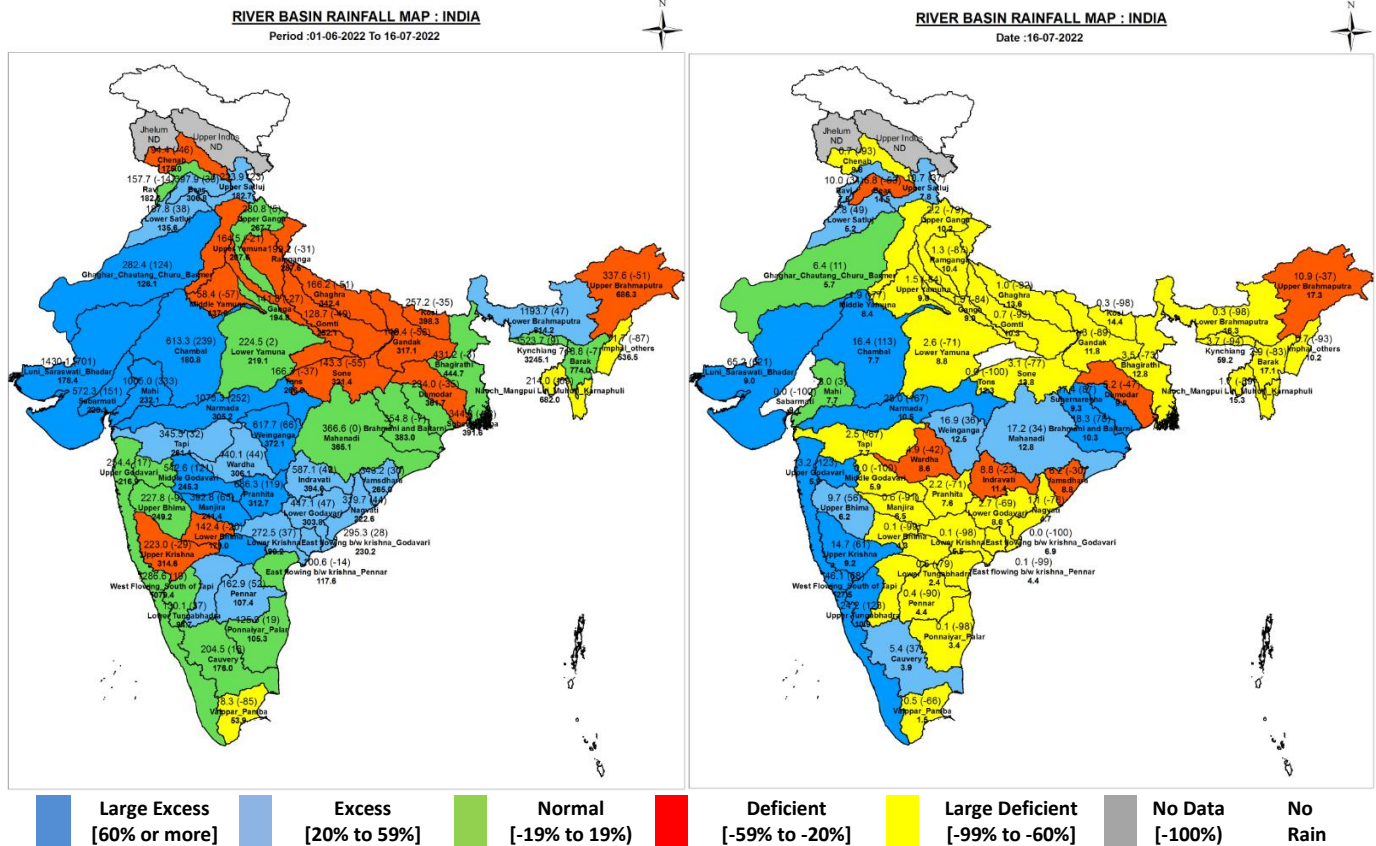




Central Water Commission
Daily Flood Situation Report cum Advisories
16-07-2022

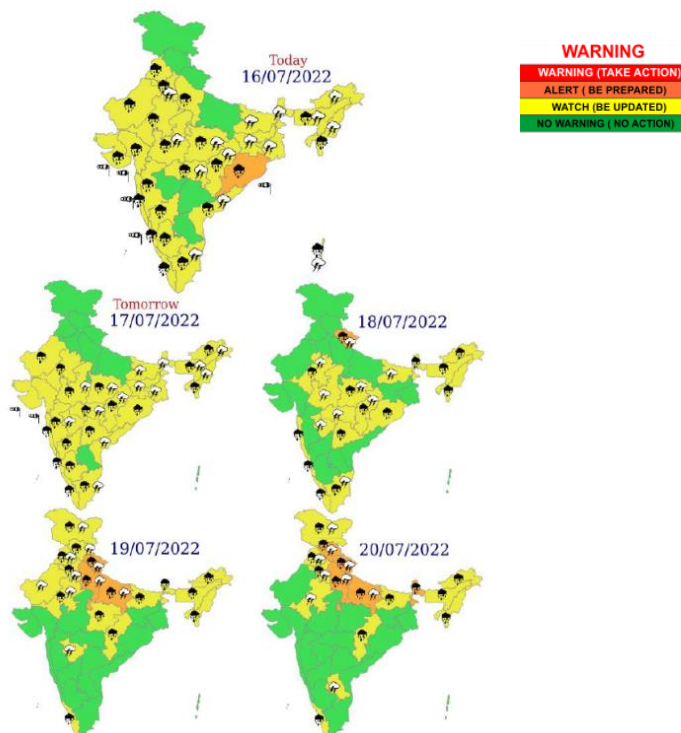
1.0 Rainfall Situation

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 16th July 2022 (Midday) by IMD



- Isolated very heavy rainfall over Odisha on 16th; Himachal Pradesh on 20th and over Uttar Pradesh on 19th & 20th July, 2022 and extremely heavy rainfall over Uttarakhand on 19th & 20th July, 2022.

2.0 Flood Situation and Advisories

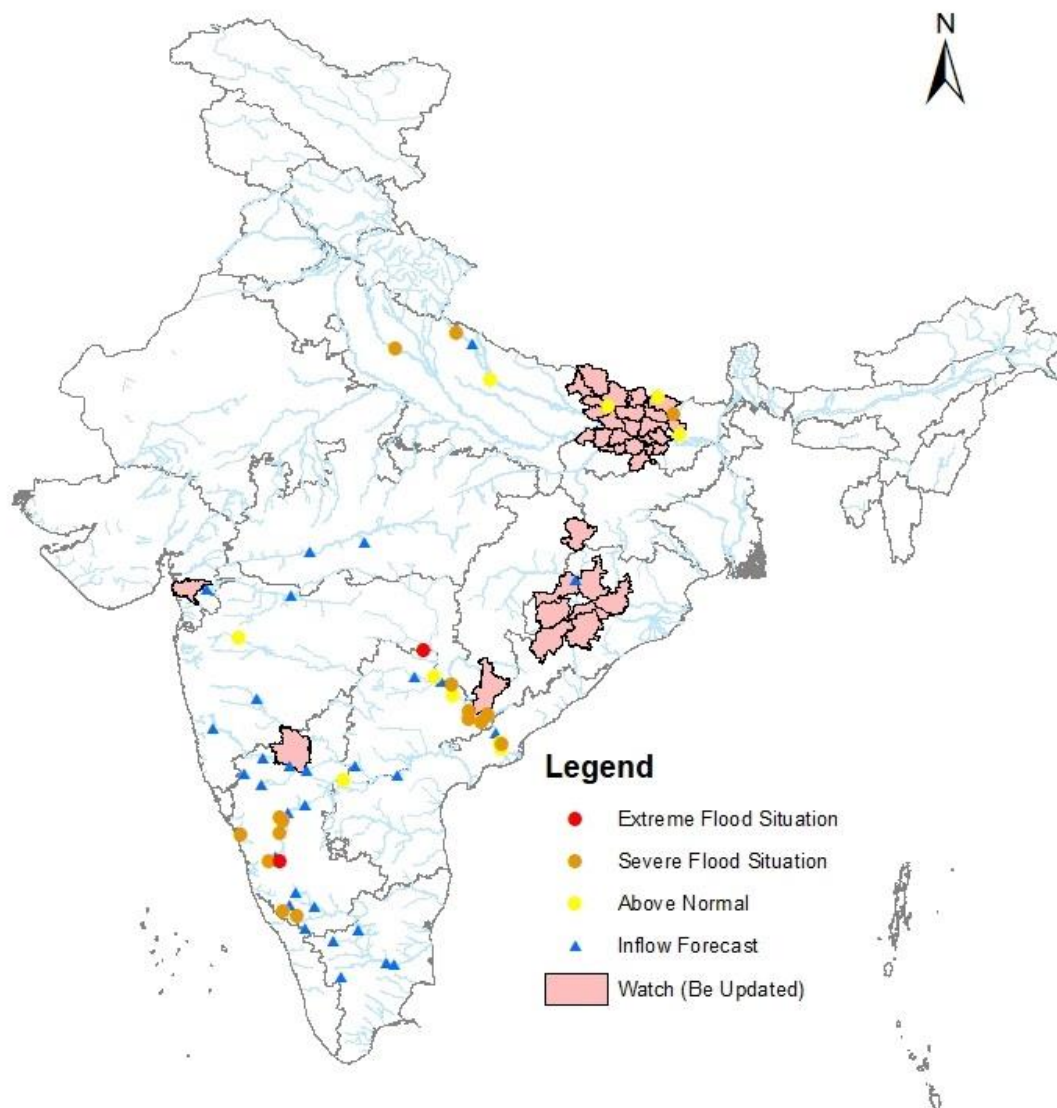
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 16th July 2022, 1 station (1 in Telangana) is flowing in Extreme Flood Situation, 7 stations (3 in Andhra Pradesh, 2 in Telangana & 1 each in Bihar & Uttar Pradesh) are flowing in Severe Flood Situation, 10 stations (3 each in Andhra Pradesh & Bihar, 2 in Telangana and 1 each in Maharashtra & Uttar Pradesh) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 33 Barrages & Dams (13 in Karnataka, 5 in Tamil Nadu, 4 in Telangana, 3 each in Andhra Pradesh & Maharashtra, 2 in Madhya Pradesh and 1 each in Gujarat, Odisha & Uttar Pradesh).

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))	7
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	10
Total number of sites above Warning Level (A+B+C)		18
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)		33

Details are given at link: http://www.cwc.gov.in/sites/default/files/cfcrwcdfb16-07-2022_5.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

Andhra Pradesh

Flood wave in Godavari basin that rose in Maharashtra and Telegana regions are travelling downstream, hence, water level is still in rising trend and **East Godavari and Alluri Sitharama Raju** districts are having **huge flood situation** in Godavari and its tributaries such as Wardha, Sabari and will continue for next 2 to 3 days. Flood situation as per CWC network is included in below given table.

River/Basin	District	Flood Situation
Godavari	Alluri Sitharama Raju	Severe
Sabari/Godavari	Alluri Sitharama Raju	Severe
Godavari	East Godavari	Severe
Tungabhadra/Krishna	Kurnool	Severe
Gowthami/Godavari	Konaseema	Severe

Telangana

Even though the rainfall has reduced considerably, lower Godavari region are still in flood situation as per CWC network. The water level trend is found to be in decreasing trend. Lakshmi Barrage (100% filled), PVN Roa Kanthampally project (100%), Sriramsagar (80.16%), Sripada Yellampalli (78.2%), Singur (74.31%) are having high storage hence it is requested to regulate the dam as per SOP and any release of water may be done after informing lower riparian areas. **Discharges from Laxmi Barrage is about 37,682 cumec**, hence, high alert may be maintained in downstream areas. Flood situation as per CWC network is included in below given table.

River	District	Flood Situation
Wardha	Kumaram Bheem	Extreme
Godavari	Bhupalpally	Severe
Godavari	Mulugu Bhadradi	Severe

Maharashtra

Due to continuous rainfall scenario over coastal Maharashtra and in basins of Godavari and Krishna for past 2 weeks surface flow has increased over the region hence more alert has to be kept in said regions for few days. However, due to reduced rainfall now, water levels are in receding trend. River Panchganga is flowing in above normal flood situation with steady trends in Kolhapur district at Terwad.

Dams > 70% Storage

Project	District	Project	District
Lower Dudhana	Parbhani	Kalisarer	Gondiya
Lower Wardha	Amravathi	Isapur	Yavatmal
Lower Maner	Nanded		
Lower Chondhe, Bhatsa	Thane	Kamthi Khairy	Nagpur
Bawanthadi	Bhandara	Nilwande-2, Bhandardara	Ahmednagar
Tillari	Sindhudurg	Waghad, Bhavali, Ozarkhed, Tisgaon, Mukane, Bham, Girna, Pune gaon	Nashik
Asolamendha	Chandrapur	Yedgaon, Khadakwasla, Bhama askhed, Gunjawani, Chaskaman	Pune
Dina	Gadchiroli	Veer, Talari	Satara

It is requested to regulate the project as per SOP and any release of water may be done after informing lower riparian areas.

Gujarat

Due to continuous rainfall scenario over south Gujarat and in coastal districts of Saurashtra for past 2 weeks surface flow has increased over the region hence more alert has to be kept in said regions for few days. However, due to reduced rainfall water level are in receding trend. Projects such as Kelia, Jhuj (Navsari dist.), Chopadvav (Narmada dist.), Dholi (Bharuch dist.), Ukai (Tapi dist.) are having storage in range 70 to 100% hence, it is requested to regulate the dam as per SOP and any release of water may be done after informing lower riparian areas.

Karnataka

Due to continuous rainfall scenario over coastal Karnataka and in basin of Krishna for past 2 weeks surface flow has increased over the region hence more alert has to be kept in said regions for few days. Projects such as **Hemavathi, KRS, Kabini, Bhadra, Upper Tunga** are expected to receive increased inflows of greater than 500 cumec for next 2 days, hence, it is requested to regulate the dam as per SOP and any release of water may be done after informing lower riparian areas. Flood situation as per CWC network is as follows.

River/Basin	District	Flood Situation
Bhadra/Krishna	Chikmangalur	Extreme
Kumudavati/Tungabhadra/Krishna	Haveri	Severe
Varadha/Tungabhadra/Krishna	Haveri	Severe
Tungabhadra/Krishna	Haveri, Shimoga	Severe
Aghanashini/West Flowing river from Tadri to Kanyakumari	Uttara Kannada	Severe
Cauvery/Cauvery	Chamarajanagar	Severe
Swarna/ West Flowing river from Tadri to Kanyakumari	Udupi	Above Normal
Netravathi/ West Flowing river from Tadri to Kanyakumari	Dakshin Kannada	Above Normal
Harangi/Cauvery	Kodagu	Above Normal

Kerala

Dams such as Idamalayar (60.3%, Ernakulam Dist.), Banasurasagar (68.03%, Wyanad dist.), Ponmudi (96.3%, Idukki), Kuttiyadi (95.5%, Kozhikode), Poringalkuthu (69.7%, Thirssur), Kallarkutty (99.2%, Idukki), Lower Periyar (100%, Idukki) are having high storage, it is requested to regulate the dam as per SOP and any release of water may be done after informing lower riparian areas. Flood situation as per CWC network is included in below given table.

River/Basin	District	Flood Situation
Kuttyyadi/ West Flowing river from Tadri to Kanyakumari	Kozhikode	Above Normal
Bhavani/Cauvery	Palakkad	Above Normal
Gayathri/ West Flowing river from Tadri to Kanyakumari	Thrissur	Above Normal
Karamana/ West Flowing river from Tadri to Kanyakumari	Tiruvananthapuram	Above Normal

3.0 FLOOD SITUATION SUMMARY

S.No.	Station	River	District	State	17-07-2022	18-07-2022	19-07-2022	20-07-2022	21-07-2022
1	PAONTA	UPPER YAMUNA	Sirmaur	Himachal Pradesh	N	N	N	N	E
2	BHADRACHALAM	GODAVARI	BHADRADRI KOTHAGUDEM	TELANGANA	S	AN	N	N	N
3	DUMMUGUDEM	GODAVARI	BHADRADRI KOTHAGUDEM	TELANGANA	S	AN	N	N	N
4	JAGDALPUR	INDRAVATHI	BASTAR	CHHATTISGARH	AN	S	AN	AN	S
5	KALESWARAM	GODAVARI	BHUPALPALLY	TELANGANA	S	S	AN	AN	AN
6	KUNAVARAM	GODAVARI	EAST GODAVARI	ANDHRA PRADESH	S	AN	N	N	N
7	BASUA	KOSI	Supaul	Bihar	S	S	S	S	S
8	BENIBAD	BAGMATI	Muzaffarpur	Bihar	N	N	AN	S	S
9	ELGINBRIDGE	GHAGRA	Bahraich	Uttar Pradesh	AN	AN	AN	AN	S
10	HARIDWAR	GANGA	Hardwar	Uttarakhand	N	N	AN	S	S
11	KHADDA	GANDAK	Kushinagar	Uttar Pradesh	N	N	N	AN	S
12	RISHIKESH	GANGA	Dehradun	Uttarakhand	N	N	N	S	S
13	SRINAGAR	ALAKNANDA	Garhwal	Uttarakhand	AN	AN	AN	S	S
14	DUMARIAGHAT	GANDAK	Gopalganj	Bihar	AN	AN	AN	AN	S
15	RUNISAIDPUR	BAGMATI	Sitamarhi	Bihar	N	N	AN	S	S
16	BEKI NH CROSSING	BEKI	Barpeta	Assam	N	N	AN	AN	S
17	DHARAMTUL	KOPLI	Marigaon	Assam	N	N	AN	AN	S
18	NUMALIGARH	DHANSARI	Golaghat	Assam	N	S	S	S	S
19	NH_X_RANGANADI	RANGANADI	Lakhimpur	Assam	N	N	N	AN	S
20	AKHUAPADA	BAITRANI	Jajapur	Odisha	S	S	S	S	S
21	ARARIA	PARMAN	Araria	Bihar	N	N	N	AN	S
22	BAMNI (BALHARSHA)	WARDHA	CHANDRAPUR	MAHARASHTRA	AN	N	N	N	N
23	ETURUNAGARAM	GODAVARI	MULUGU	TELANGANA	AN	AN	AN	N	N
24	KOPERGAON	GODAVARI	AHMEDNAGAR	MAHARASHTRA	AN	N	N	N	N
25	PAUNI	WAINGANGA	BHANDARA	MAHARASHTRA	AN	AN	N	N	N
26	CHINTURU	SABARI	EAST GODAVARI	ANDHRA PRADESH	AN	N	N	N	N
27	BALRAMPUR	RAPTI	Balrampur	Uttar Pradesh	N	N	N	N	AN
28	BALTARA	KOSI	Khagaria	Bihar	AN	AN	AN	AN	AN
29	DHENGRAGHAT	MAHANANDA	Purnia	Bihar	N	N	AN	AN	AN
30	GARHMUKTESHWAR	GANGA	Jyotiba Phule Nagar	Uttar Pradesh	N	N	N	N	AN
31	JHANJHARPUR	KAMLA	Madhubani	Bihar	N	N	N	AN	AN
32	JHAWA	MAHANANDA	Katihar	Bihar	N	N	N	N	AN
33	KACHHLABRIDGE	GANGA	Budaun	Uttar Pradesh	AN	AN	AN	AN	AN

34	DHENG_BRIDGE	BAGMATI	Sitamarhi	Bihar	N	N	AN	AN	AN
35	JAINAGAR	KAMLA	Madhubani	Bihar	AN	AN	AN	AN	AN
36	KAKARDHARI	RAPTI	Shrawasti	Uttar Pradesh	N	N	N	AN	AN
37	MORADABAD	RAMGANGA	Moradabad	Uttar Pradesh	N	N	N	N	AN
38	BADATIGHAT	SUBANSARI	Lakhimpur	Assam	N	N	N	AN	AN
39	KHOWANG	BURIDEHING	Dibrugarh	Assam	N	N	AN	AN	AN
40	GOALPARA	BHRAMPUTRA	Goalpara	Assam	N	N	N	N	AN
41	GOLAGHAT	DHANSARI	Golaghat	Assam	N	N	AN	AN	AN
42	JIABHARALI_NT_X	JAIBHARALI	Sonitpur	Assam	N	N	N	AN	AN
43	NEAMATIGHAT	BHRAMPUTRA	Jorhat	Assam	N	N	N	AN	AN
44	SHIVSAGAR	DIKHOW	Shivsagar	Assam	N	N	AN	AN	AN
45	PUTHIMARI_NH_X	PUTHIMARI	Kamrup	Assam	N	N	N	AN	AN
46	ANNA_PURNA_GHAT	BARAK	Cachar	Assam	N	N	AN	AN	AN
47	KARIMGANJ	BARAK	Karimganj	Assam	N	N	N	AN	AN
48	ANANDPUR	BAITRANI	Kendujhar	Odisha	N	N	N	N	AN
49	KASHINAGAR	VAMSADHARA	Srikakulam	Andhra Pradesh	AN	AN	AN	AN	AN
50	DOMOHANI	TEESTA	Jalpaiguri	West Bengal	N	N	N	N	AN
51	GOLOKGANJ	SANKOSH	DHUBRI	Assam	N	N	N	N	AN

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

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 16th July 2022

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	Storage above 85% 				
					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	Somasila	Pennar/Lower Pennar/Pennar	AP	Kadapa(AP)/Nellore(AP)					
3	Musi	Musi/Lower Krishna/ Krishna	Tel	Nalgonda					
4	Sriramasagar	Godavari/Middle Godavari/Godavari	Tel	Nanded (Mah), Nirmal(Telangana)/Metpally, Mancherial(Telangana)					
5	SripadaYellampally	Godavari/Middle Godavari/Godavari	Tel	Mancherial/JaishankarBhupalpally					
6	Singur	Manjira/Manjira/Godavari	Tel	Bidar(Kar)/Sangareddy(Telangana)					
7	Nizamsagar	Manjira/Manjira/Godavari	Tel	Medak/Kamareddy					
8	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/Jogalamba Gadwal(Telangana)					
9	Ukai	Tapi/Tapi/Tapi	Guj	Nadurbar(Mah), Tapi(Guj)/ Surat (Guj)					
10	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
11	Harangi	Cauvery/Upper Cauvery/Cauvery	Kar	Kodagu/Mandya					
12	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
13	Karanja	Karanja/Manjira/Godavari	Kar	Bidar (Kar), Vikarabad(Telangana)/Bidar(Kar)					
14	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
15	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Ker)/Mysuru(Kar)					
16	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagalur/Shimoga					
17	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
18	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Maharashtra)/ Bagalkote(Karnataka)					
19	Warana	Warna river/Upper Krishna/Krishna	Mah	Sangli,Kolhapur					
20	Veer	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
21	Ujjani Dam	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
22	Yeldari	Purna/Purna/Godavari	Mah	Hingoli, Parbhani/Nanded					
23	Upper Wardha Project	Wardha/Wardha/Godavari	Mah	Wardha, Amravati					
24	Issapur	Kayadhu/Penganga/Godavari	Mah	Hingoli, Yavatmal					
25	Totladoh	Pench/Wainganga/Godavari	Mah	Chindwara(MP)/Nagpur(Mah)					
26	Jaikwadi	Godavari/Upper Godavari/Godavari	Mah	Aurangabad, Ahmadnagar/Bid, Jalna					
27	Salandi	Salandi/Brahmani and Baitarni/Brahmani and Baitarni	Odisha	Mayurbhanj,Kendujhar/Bhadrak					
28	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri(TN), Coimbatore (TN)/ Erode (TN)					
29	Mettur	Cauvery/Middle Cauvery/Cauvery	TN	Dharmapuri, Salem/Erode, Namakkal					
30	SomKamlaAmba	Som/Mahi B/Mahi	Raj	Udaipur/Dungarpur					
31	RanaPratapSagar	Chambal/Upper Chambal/Ganga	Raj	Neemuch(MP)/Dholpur, Kota, Bundi(Raj)					
32	Gudha	Mejchambal/Upper Chambal/Ganga	Raj	Bhilwara/Bundi					
33	Gandhisagar	Chambal/Upper Chambal/Ganga	MP	Mandsaur,Neemuch(MP)/Dholpur(Raj)					

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.