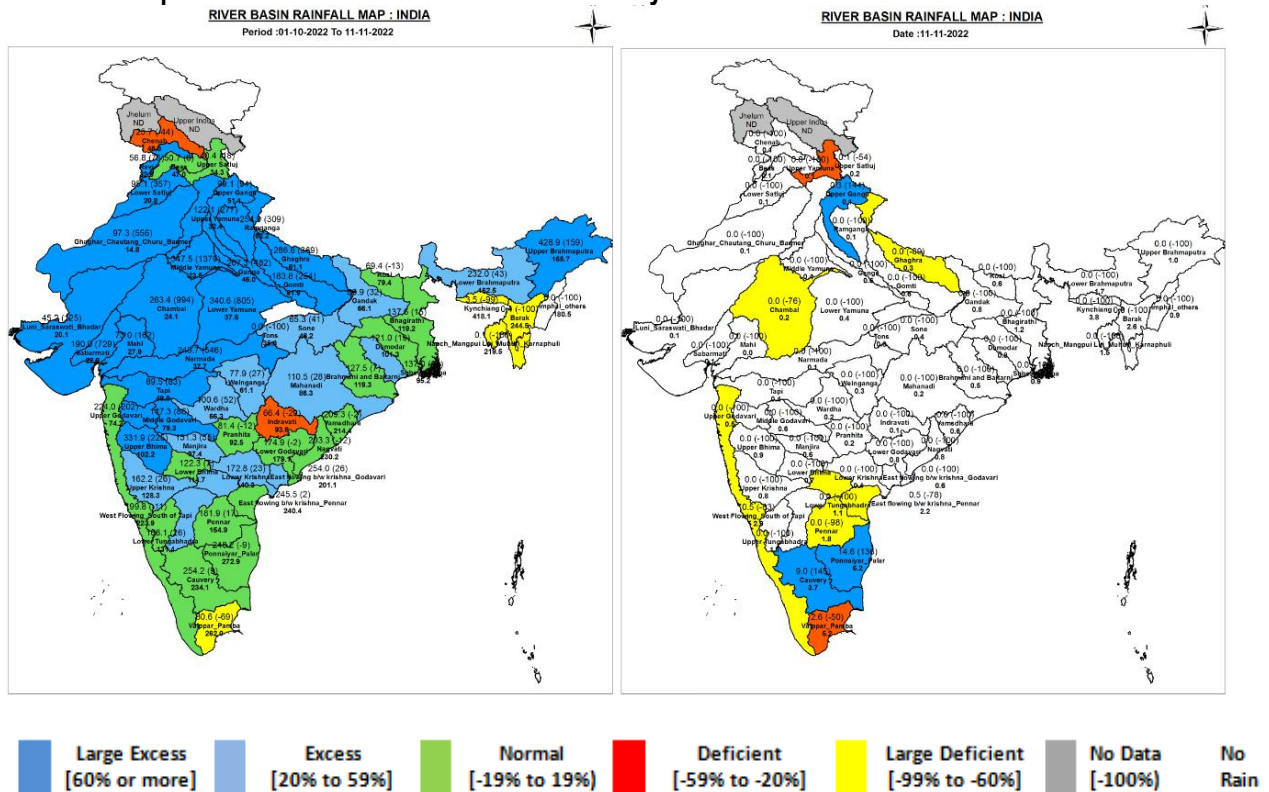




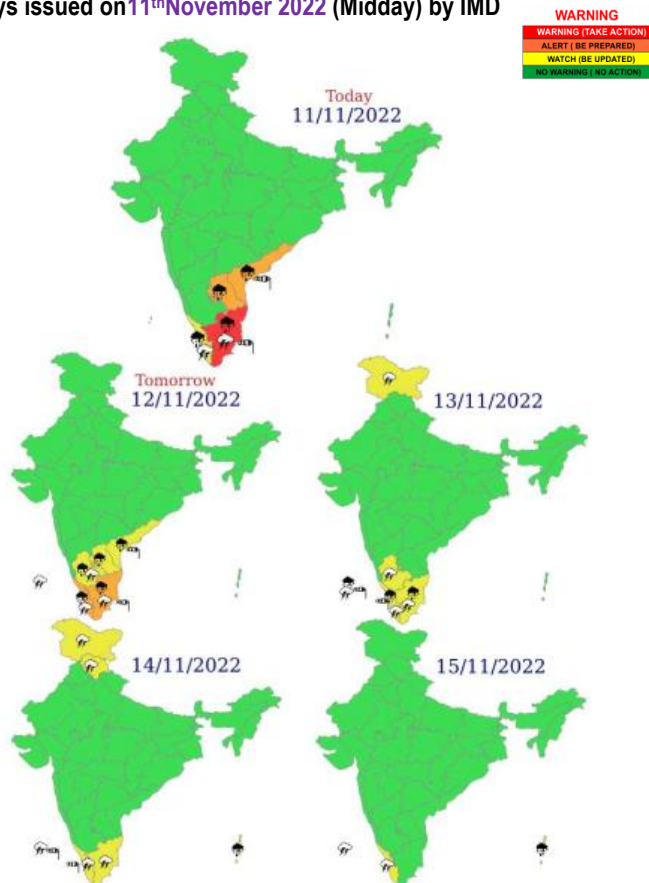
Central Water Commission
Special Flood Advisory for Tamilnadu & Kerala
11-11-2022

1.0 Rainfall Situation

1.1 Basin wise departure from normal of cumulative and daily rainfall



1.2 Rainfall forecast for next 5 days issued on 11th November 2022 (Midday) by IMD



- Extremely heavy/very heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal on 11th & 12th and over Coastal Andhra Pradesh & Yanam and Rayalaseema on 11th November, 2022.

2.0 Flood Situation and Advisories

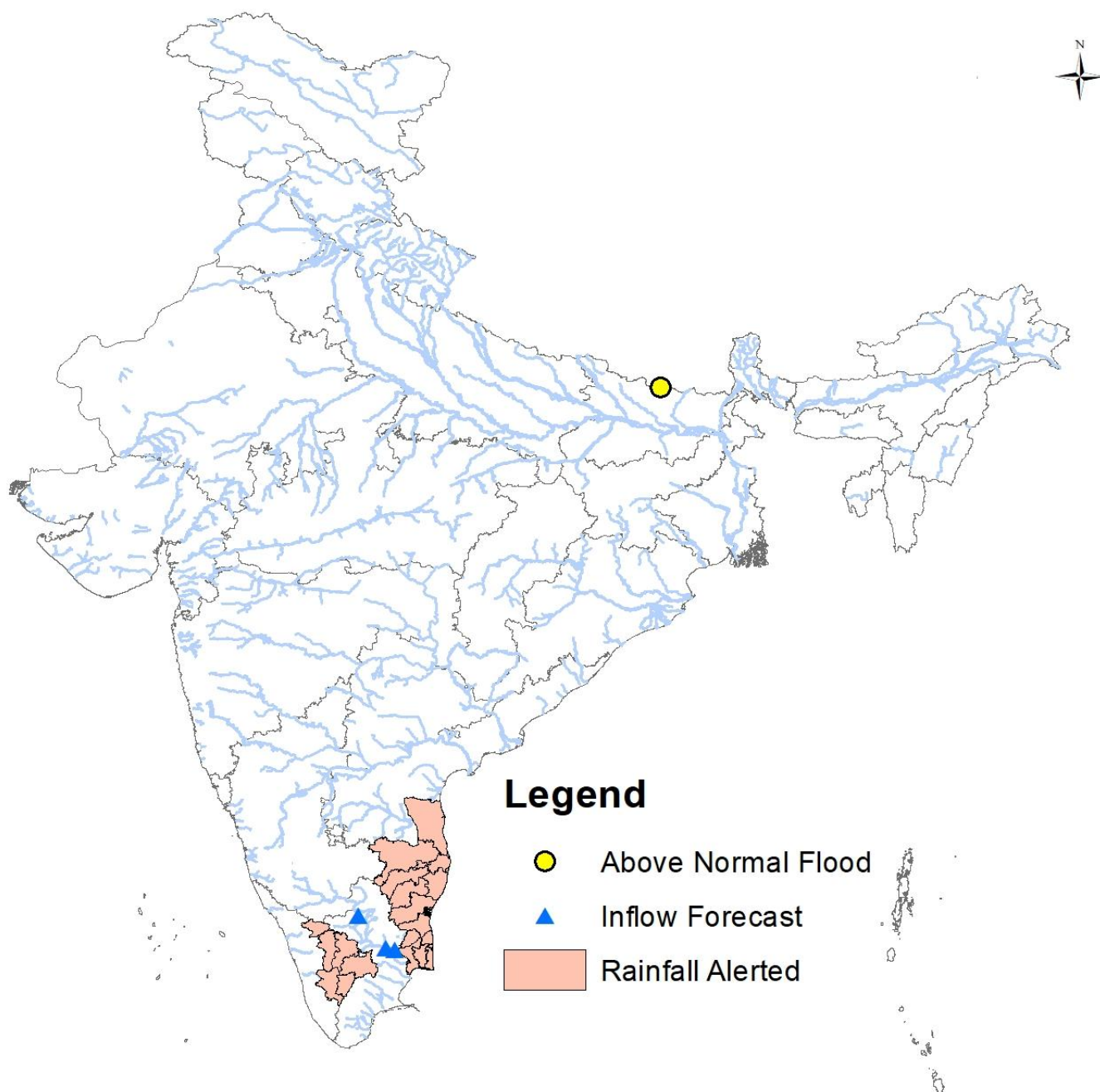
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 11th November 2022, 1 station in Bihar is flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 3 Barrages & Dams in Tamil Nadu

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))	0
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	1
Total number of sites above Warning Level (A+B+C)		1
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)		3

Details are given at link: http://cwc.gov.in/sites/default/files/cfcrwcdfb11-11-2022_3.pdf

2.1.1 Flood Situation Map



2.2 CWC Advisories

Tamilnadu, Karaikal and Puducherry

IMD has predicted extremely heavy to very heavy rainfall in Tamilnadu, Karaikal and Puducherry till 13.11.2022 (as per today's forecast). In north Tamilnadu region, water level rise is expected in rivers such as Gummudi Poondi, Araniar, Kosasthalaiyar, Coovum, Adyar, Kovalam and Varahanadhi, in districts **Thiruvallur, Chennai, Ranipettai, Kancheepuram, Vellur, Thirupattar, Thiruvanamalai and Chengalpattu**. Rivers such as Paravanar, Vaippar and lower reaches of Ponnaiyar are expected to get increased flow in **Thiruvanamalai, Cuddalore, Villupuram** districts. Keep watch for water level rise in rivers Cauvery, upper reaches of Vaigai, Gundar, Pandipuzha, Parambikulam, Aliyar in districts **Nilgris, Coimbatore, Thiruppur, Dindigul, Theni and Madhurai**. Lower reaches of Cauvery and its tributaries and other small rivers in districts **Nagapattinam, Mailaduthurai, Thiruvarur, Ariyalur, Thanjavur; Puducherry and Karaikal** are also expected to experience water levels rise and flood like situations hence all precautions may be taken. All the major medium dams may be operated as per SOP and releases may be done after informing lower riparian areas. Storage position of some of the major dams of the state are as given below:

Name	District	% Filled
Chembarampakkam	Thiruvallur	70.54
Gomukhi Dam	Kallakurchi	80.99
Poondi Dam	Thiruvallur	32.96
Sathanar Dam	Thiruvanamalai	91.67
Willington Dam	Cuddalore	48.88
Somasila Dam	Nellore (Andhra Pradesh)	89.77
Mettur	Salem	100.00
Bhavanisagar	Erode	98.46
Vaigai	Theni	94.25
Aliyar	Coimbatore	95.39
Sholayar	Coimbatore	98.31

Kerala

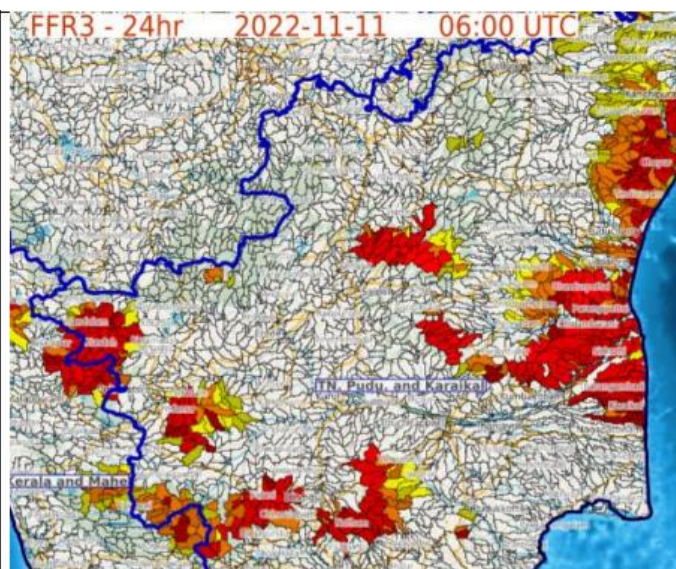
IMD has predicted very heavy rains in **Idukki** district and also predicted extremely to very heavy rains in **Nilgris and Coimbatore** (Tamilnadu) hence keep alert for water level rise in river Periyar, Chalakudy and its tributaries. Increased inflows are expected into Idukki, Idamalayar, Poringalkuthu dams.

2.3Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 12-11-2022

Moderate to high flash flood risk likely over few watersheds & neighbourhoods of **Coastal & North Interior Tamil Nadu, Pudu & Karaikal adjoining Kerala** Met Sub-divisions during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence 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	12-11-2022	13-11-2022	14-11-2022	15-11-2022	16-11-2022
1	NELLORE	PENNAR	Sri Potti Sriramulu Nellore	Andhra Pradesh	AN	AN	AN	S	S
2	JAINAGAR	KAMLA	Madhubani	Bihar	AN	AN	AN	AN	AN
3	MUSIRI	CAUVERY	Tiruchirappalli	Tamil Nadu	N	N	AN	AN	AN

Abbreviation: **N:** Normal Flood Situation, **AN:** Above 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 11th November 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	Somasila	Pennar/Lower Pennar/Pennar	AP	Kadapa(AP)/Nellore(AP)					
2	PD Jurala	Krishna/Middle Krishna/Krishna	Tel	Raichur (Kar)/JogalambaGadwal(Telangana)					
3	Narayanpur	Krishna/Upper Krishna/Krishna	Kar	Bagalkot, Vijayapura/ Raichur, Yaadgir					
4	Harangi	Cauvery/Upper Cauvery/Cauvery	Kar	Kodagu/Mandya					
5	Hemavathy	Hemavathy/ Hemavathy/Cauvery	Kar	Hassan, Kodagu/Mandya, Mysore					
6	Tungabhadra	Tungabhadra/Middle Tungabhadra/Krishna	Kar	Gadag/Bellary, Koppal, Raichur					
7	Kabini	Kabini/Kabini/Cauvery	Kar	Wayanad (Ker)/Mysuru(Kar)					
8	Bhadra	Bhadra/UpperTungabhadra/Krishna	Kar	Chikmagaluru/Shimoga					
9	KRS	Cauvery/Middle Cauvery/Cauvery	Kar	Mandya, Mysore					
10	Malaprabha	Malaprabha/Malaprabha/Krishna	Kar	Belgaum					
11	Hidkal	Ghataprabha/Ghataprabha/Krishna	Kar	Kolhapur (Mah)/ Belgaum (Kar)					
12	Almatti	Krishna/Upper Krishna/Krishna	Kar	Kolhapur(Maharashtra)/ Bagalkote(Karnataka)					
13	Upper Tunga	Tunga/Upper Tungabhadra/Krishna	Kar	Shimoga					
14	Hipparagi Dam	Krishna/Middle Krishna/Krishna	Kar	Bagalkot					
15	Singatalur Dam	Krishna/Middle Tungabhadra/Krishna	Kar	Gadag					
16	Idukki	Periyar/Upper Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Theni (Tamil Nadu), Ernakulam					
17	Edamalayar	Edamalayar/Middle Periyar/West flowing rivers from Tadri to Kanyakumari	Kerala	Coimbatore (Tamil Nadu)					
18	Koyna	Koyna/Upper Krishna/Krishna	Mah	Satara/Kolhapur, Sangli					
19	Warana	Warna river/Upper Krishna/Krishna	Mah	Sangli,Kolhapur					
20	Veer	Nira/Upper Bhima/Krishna	Mah	Pune, Satara					
21	Ujjani	Bhima/Upper Bhima/Krishna	Mah	Pune, Solapur					
22	Bhavanisagar	Bhavani/Middle Cauvery/Cauvery	TN	Palakad (Kerala), Nilgiri(TN), Coimbatore (TN)/ Erode (TN)					
23	Mettur	Cauvery/Middle Cauvery/Cauvery	TN	Dharmapuri, Salem/Erode, Namakkal					
24	Vaigai	Vaigai/Upper Vaigai/East flowing rivers South of Cauvery Basin	TN	Theni/Madurai					
25	Sathanur Dam	Ponnaiar/Middle South Pennar/East flowing rivers between Pennar and Cauvery Basin	TN	Dharmapuri, Tiruvannamalai/Villupuram, Cuddalore					
26	Kodaganar Dam	Kodaganar/Lower Cauvery/Cauvery	TN	Dindigul					
27	Gomukhi Dam	Vellar/Vellar/EFR (Pennar to Kanyakumari)	TN	Villupuram					
28	Chembarampakkam	Adyar/Korttalaiyar/EFR Pennar to Kanyakumari)	TN	Tiruvallur					

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.