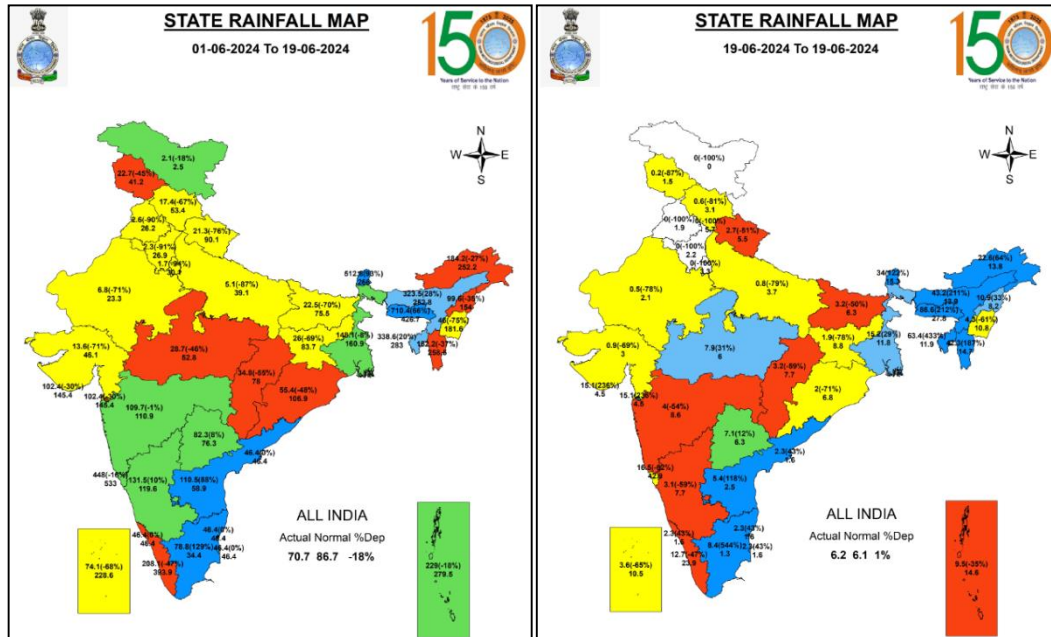




Central Water Commission
Daily Flood Situation Report cum Advisories
19-06-2024

1.0 Rainfall Situation

1.1 District wise departure from normal of cumulative and daily rainfall



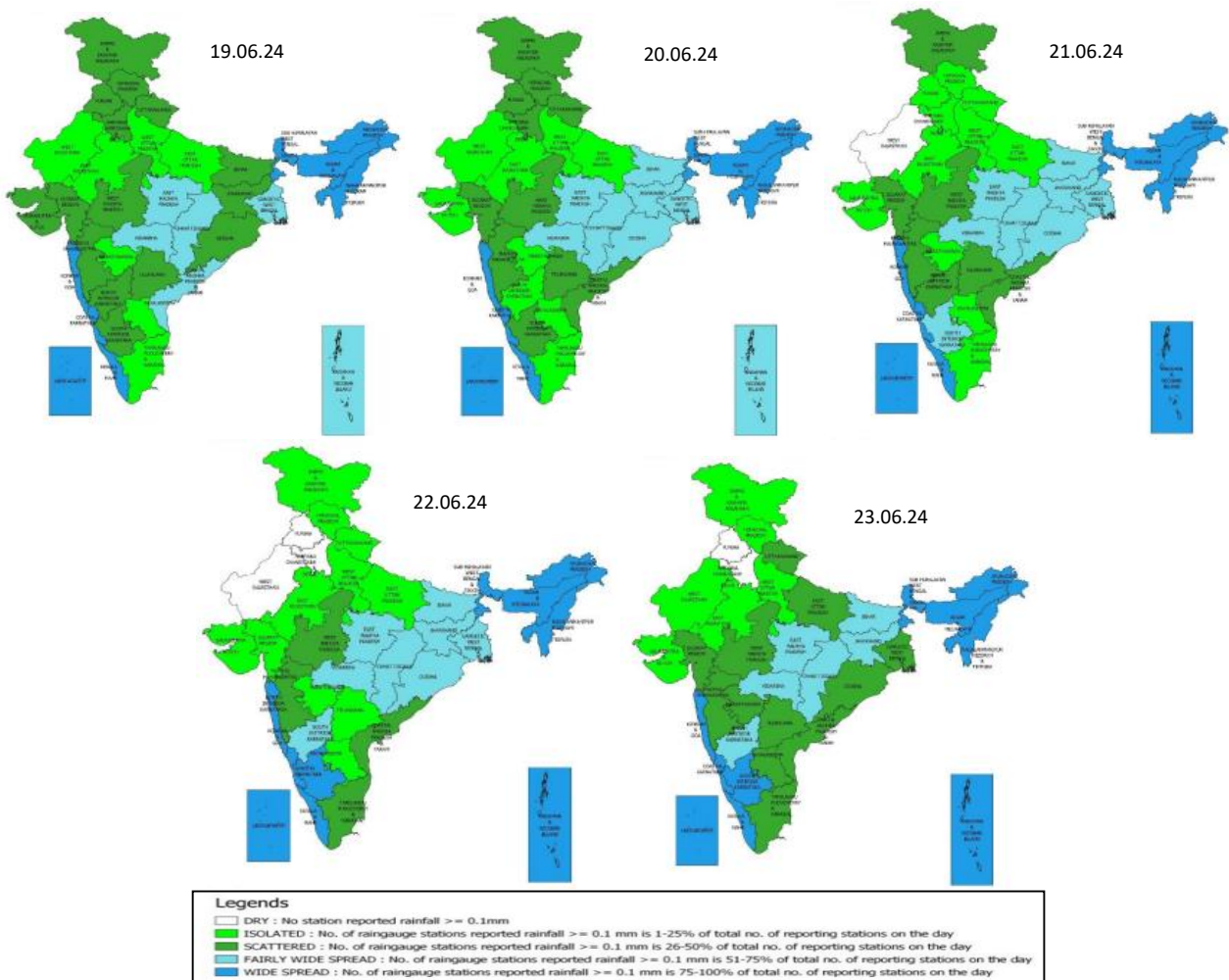
Legend

Large Excess [60% or more] Excess [20% to 59%] Normal [-19% to 19%] Deficient [-59% to -20%] Large Deficient [-99% to -60%] No Rain [-100%] No Data

NOTES :

- Rainfall figures are based on operation data.
- Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
- Percentage Departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 19th June 2024 (Midday) by IMD



2.0 Flood Situation and Advisories

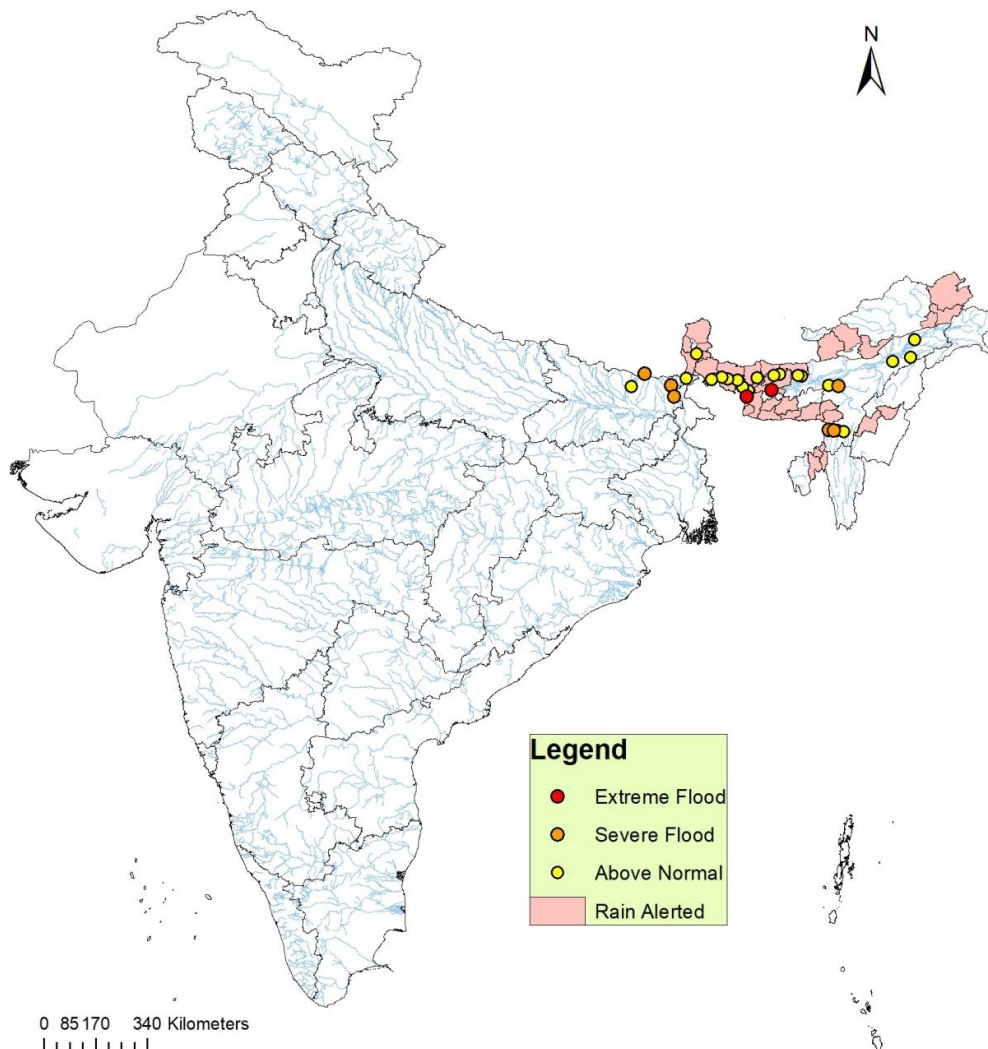
2.1 Summary of Flood Situation as per CWC Flood Forecasting Network

On 19th June 2024, 2 stations in Assam are flowing in Extreme Flood Situation, 4 Stations (3 in Assam and 1 in Bihar) are flowing in Severe Flood Situation, 19 stations (12 in Assam, 4 in West Bengal, 2 in Bihar and 1 in Sikkim) are flowing in Above Normal Flood Situation.

PART - I: LEVEL FORECAST		(Total Sites - 200)		
S.No.	Flood Situations	State-wise Flood Situation	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))	Assam(3), Bihar(1)	4	
C	Above Normal Flood Situation: (Site (s) where water level is touching or exceeding the Warning Level but below Danger Level)	Assam(12), Bihar(2), Sikkim(1), West Bengal(4)	19	
Total number of sites above Warning Level (A+B+C)			23	
PART - II: INFLOW FORECAST		(Total Sites - 138)		
Number of sites for which inflow forecasts issued: (Where Inflows are equal or exceed the specified Threshold Limit for a particular reservoir / barrage)			0	

Details are given at link: https://cwc.gov.in/sites/default/files/cfcrwcdfb19.06.2024_5.pdf

Flood Situation Map



2.2 CWC Advisories

Main Synoptic Situation: A cyclonic circulation lies over northeast Bangladesh and a trough in lower tropospheric westerlies runs roughly along Long. 88°E to the north of Lat. 22°N in lower tropospheric levels. Strong southwesterly/southerly winds are prevailing from Bay of Bengal to northeast India in lower tropospheric levels. Under their influence:

- Isolated **heavy to very heavy rainfall very likely over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura during next 5 days with isolated extremely heavy rainfall over Assam & Meghalaya and Sub-Himalayan West Bengal on 19th June, 2024.**

Assam

Because of the persistence of cyclonic circulation over Assam and neighbourhood from past many days, the said area is continuously receiving very heavy to extremely heavy rains at isolated phases. Alert for water level rise may be kept in rivers Aie, Champamati, Manas, Gaurang, Burisuti, Beki, Manas, and other small rivers in districts **South Salmara Mancachar, Kokrajhar, Dhuri, Chirang, Bongaigaon, Baksa, Barpeta and Goalpara** for next 24 hrs. Flood like situation existing in some of the said rivers are expected to continue as the very heavy rainfalls are prevailing over the region. Water level rise and flood like situations are likely to continue in Barak and its tributaries (Cachar, Karimganj, Hilakandi dists.) for next 24 hrs. Alert for water level rise may be kept in rivers such as Desang, Dikhow, Buridihing, Kopili, Lohit, Dibru, Jiabharali and their tributaries for next 2 days.

Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Krishnai	Krishnai	Goalpara	Extreme	Rising
Kakripara	Jinjirum	South Salmara-Mankachar	Extreme	Falling
Karimganj	Kushiyara	Karimganj	Severe	Rising
Kampur	Kopili	Nagaon	Severe	Rising
Badarpurghat	Barak	Karimganj	Severe	Rising
Annapurna ghat	Barak	Cachar	Above Normal	Rising
Dharamtul	Kopili	Morigaon	Above Normal	Rising
Dibrugarh	Brahmaputra	Dibrugarh	Above Normal	Rising
Dhubri	Brahmaputra	Dhubri	Above Normal	Rising
Beki Rd Bridge	Beki	Barpeta	Above Normal	Rising
Kokrajhar	Gurang	Kokrajhar	Above Normal	Rising
Manas NH Crossing	Manas	Bongaigaon	Above Normal	Rising
Neamatighat	Brahmaputra	Jorhat	Above Normal	Rising
Matizuri	Katahal	Hailakandi	Above Normal	Rising
Pagladiya NT Rd Crossing	Pagladiya	Nalbari	Above Normal	Rising
Puthimari NH Rd xing	Puthimari	Kamrup	Above Normal	Rising
Golokganj	Sankosh	Dhubri	Above Normal	Steady

West Bengal & Sikkim

In West Bengal, water level rise is expected in rivers Balason, Mahananda, Teesta, Jaldhaka, Torsa, Sankosh and Raidak-1 in districts **Darjeeling, Jalpaiguri, Alipurduar and Coochbehar** for next 2 days, the flood situation in rivers is expected to continue for next 2 days. In Sikkim Alert for water level rise may be kept in rivers Lachung Chu, Lachen Chu, Rani Khola, Teesta and Rangit for next 2 days.

Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Melli	Teesta	Namchi (Sikkim)	Above Normal	Rising
Ghugumari	Torsa	Cooch Behar (WB)	Above Normal	Rising
Tufanganj	Raidak -I	Cooch Behar (WB)	Above Normal	Steady
Jaldhaka NH 31	Jaldhaka	Jalpaiguri (WB)	Above Normal	Falling
Mekhliganj	Teesta	Cooch Behar (WB)	Above Normal	Falling

Bihar

Flood wave raised in upper reaches of Mahananda river is flowing downstream. Water levels in Mahananda river is expected to rise for next 24 hrs.

Current flood situation in the state as per CWC network is as follows:

CWC Site	River	District	Flood Type	Trend in Water Level
Birpur	Kosi	Supaul	Severe	Steady
Chargharia	Mahananda	Kishanganj	Severe	Rising
Dhengraghat	Mahananda	Purnia	Severe	Rising
Basua	Kosi	Supaul	Above Normal	Rising
Taibpur	Mahananda	Kishanganj	Above Normal	Rising

2.3 Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 20-06-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Arunachal Pradesh, Assam & Meghalaya, NMMT and SHWB & Sikkim 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.

Product: GFS FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2024-06-19 06:00 UTC | Valid Date: 2024-06-20 06:00 UTC

3.0 Advisory Flood Forecast for next 7-days in Table form

The flood situational Flood Forecasting Stations likely to be above warning level for next 7 days

S.No.	Station	River	District	State	20-06-2024	21-06-2024	22-06-2024	23-06-2024	24-06-2024	25-06-2024	26-06-2024
1	Kampur	Kopili	Nagaon	Assam	E	E	E	S	S	AN	AN
2	Annapurna ghat	Barak	Cachar	Assam	AN	S	S	S	S	S	S
3	Badarpur ghat	Barak	Karimganj	Assam	S	S	S	S	S	S	S
4	Karimganj	Kushiyara	Karimganj	Assam	S	S	S	S	S	S	S
5	Dharamtul	Kopili	Marigaon	Assam	S	S	S	S	S	AN	AN
6	Nanglamoraghat	Desang	Sivsagar	Assam	AN	S	S	AN	AN	AN	AN
7	Dhubri	Brahmaputra	Dhubri	Assam	AN	AN	S	S	S	AN	AN
8	Baltara	Kosi	Khagaria	Bihar	S	S	S	S	S	S	S
9	Basua	Kosi	Supaul	Bihar	AN	AN	S	S	S	AN	AN
10	Dibrugarh	Brahmaputra	Dibrugarh	Assam	AN	AN	AN	AN	AN	AN	AN
11	Neamatighat	Brahmaputra	Jorhat	Assam	AN	AN	AN	AN	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 19th June 2024

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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Sl.No	Reservoir/Dams	River/Sub-Basin /Basin	State	US/DSDistrict	Rainfall situation				
					Day1	Day2	Day3	Day4	Day 5
1.	Thottapalli Reservoir	Nagavali/Nagavali&Others/ERF(Mahanadi to Pennar)	Andhra Pradesh	Vizianagaram					
2.	Sunkesula Barrage	Tungabhadra/Lower Tungabhadra/Krishna	Andhra Pradesh	Kurnool					
3.	Singatalur Barrage	Tungabhadra/Upper Tungabhadra/Krishna	Karnataka	Gadag/LKD Hyderabad					
4.	NMD Weir	Godavari/Upper Godavari/Godavari	Maharashtra	Nasik/Ahmadnagar					
5.	Rana Pratap Sagar	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota,Bundi(Raj)					
6.	Kota Barrage	Chambal/Upper Chambal/Ganga	Rajasthan	Neemuch(MP)/Dholpur,Kota,Bundi(Raj)					
7.	Ichari Dam	Tons/Upper Yamuna/Ganga	Uttarakhand	Dehradun/Nahan(HP)					

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