



Govt. of India / भारतसरकार
 Ministry of Earth Sciences / पृथ्वीविज्ञानमंत्रालय
 India Meteorological Department / भारतमौसमविज्ञानविभाग
 Regional Meteorological Centre / क्षेत्रीयमौसमकेंद्र
 Guwahati – 781 015/ गुवाहाटी- ७८१०१५



Special Weather Bulletin

Date: 29.06.2024
 Time of issue: 1430 IST

Sub: Continuation of Enhanced Rainfall Activity over Assam during 29th June – 03rd July, 2024

Current Meteorological Conditions:

- The cyclonic circulation over northeast Assam & neighbourhood persists and now seen at 0.9 km above mean sea level.
- The Low Pressure Area over Northwest Bay of Bengal off north Odisha coast now lies over Northwest Bay of Bengal adjoining north Odisha-Gangetic West Bengal coasts with the associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height.

Under the influence of the above synoptic conditions and moisture incursion from the Bay of Bengal to Northeastern Region of India due to strong Southerly /South-Westerly winds in the lower levels, widespread rainfall accompanied with heavy to very heavy rainfall very likely over Assam during 29th -3rd July, 2024.

Chief amount of Rainfall 7cm or more during last 24 Hrs

Melabazar/matunga (dist Nalbari) 11, Dholla Bazar (dist Tinsukia) 10, Jiagaon (dist Tinsukia) 10, Jonai Arg (dist Dhemaji) 9, Panbari (dist Chirang) 8, Dhemaji (dist Dhemaji) 8, Margherita (dist Tinsukia) 7, Beki Mathungari (dist Barpeta) 7, Nahar Katia (dist Dibrugarh) 7, Drf (dist Baksa) 7, Khowang (dist Dibrugarh) 7, Udaipur (dist Tinsukia) 7

- District Wise Warnings for Assam for 29th June – 3rd July,2024:-

Date	Forecast / Warning for Assam
29.06.2024	Moderate rainfall is very likely to occur at most places with isolated heavy to very heavy rain over Dhubri , Kokrajhar, Bongaigaon, Karbi Anglong, Dibrugarh, Tinsukia districts
	Light to moderate rainfall is very likely to occur at most places and thunderstorm with lightning and isolated heavy rain is very likely to occur over South Salmara-Mankachar, Goalpara, Chirang, Baksa, Barpeta, Kamrup(M), kamrup(R), Darrang, Morigaon, Nagaon, Sonitpur, Biswanath , Lakhimpur, Dhemaji, Jorhat,Majuli, Sibsagar, Charaideo, Dima Hasao, Cachar, Karimganj districts.
30.06.2024	Moderate rainfall is very likely to occur at most places with isolated heavy to very heavy rain over Golaghat, Majuli, Tinsukia districts.
	Light to moderate rainfall is very likely to occur at most places and thunderstorm with lightning and isolated heavy rain is very likely to occur over Barpeta, Kamrup(R), West Karbi Anglong, Karbi Anglong, Lakhimpur, Dhemaji, Charaideo, Dibrugarh, Dima Hasao, Cachar, Hailakandi , Karimganj districts.
01.07.2024	Moderate rainfall is very likely to occur at most places with isolated heavy to very heavy rain over Karbi Anglong , Dima Hasao districts
	Light to moderate rainfall is very likely to occur at most places and thunderstorm with lightning and isolated heavy rain is very likely to occur over Dhubri , Kokrajhar, Baksa, Bongaigaon, Nalbari, Udalguri, West Karbi Anglong, Golaghat, Jorhat, Cachar, Karimganj districts
02.07.2024	Moderate rainfall is very likely to occur at most places with isolated heavy to very heavy rain over Dhubri, Goalpara, Kokrajhar, Bongaigaon, Kamrup(R) districts
	Light to moderate rainfall is very likely to occur at most places and thunderstorm with lightning and isolated heavy rain is very likely to occur over South Salmara-Mankachar, Chirang, Barpeta, Kamrup(M), Nagaon, Golaghat, Jorhat, Majuli, Sibsagar districts.
03.07.2024	Moderate rainfall is very likely to occur at most places with isolated heavy to very heavy rain over Kokrajhar, Dima Hasao districts
	Light to moderate rainfall is very likely to occur at most places and thunderstorm with lightning and isolated heavy rain is very likely to occur over Kamrup(R), Kamrup(M), Golaghat, Karbi Anglong, Jorhat, Majuli, Cachar, Hailakandi , Karimganj districts

**Note: Forecast and warnings are valid till 0830 hrs IST of the next day

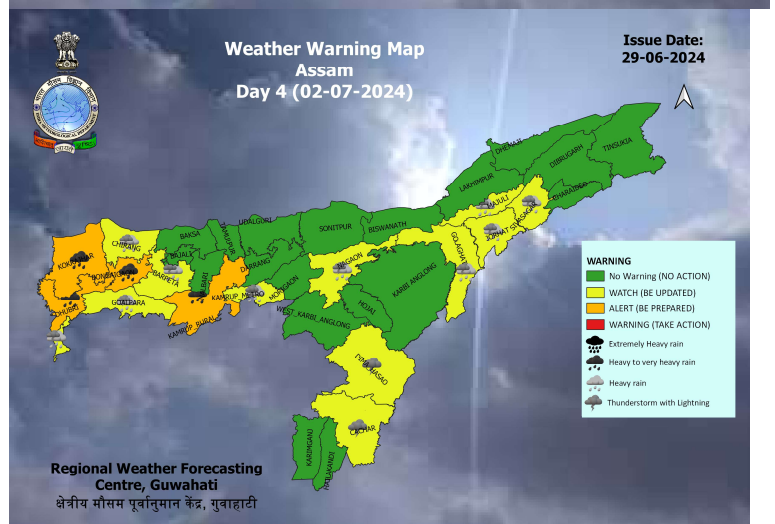
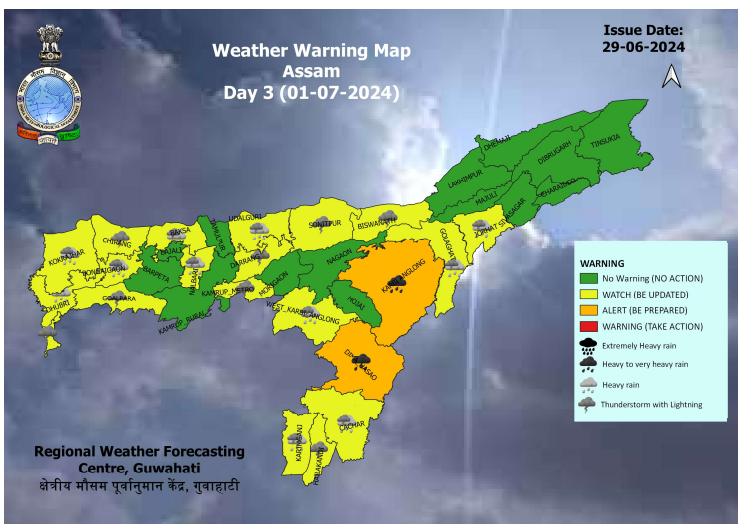
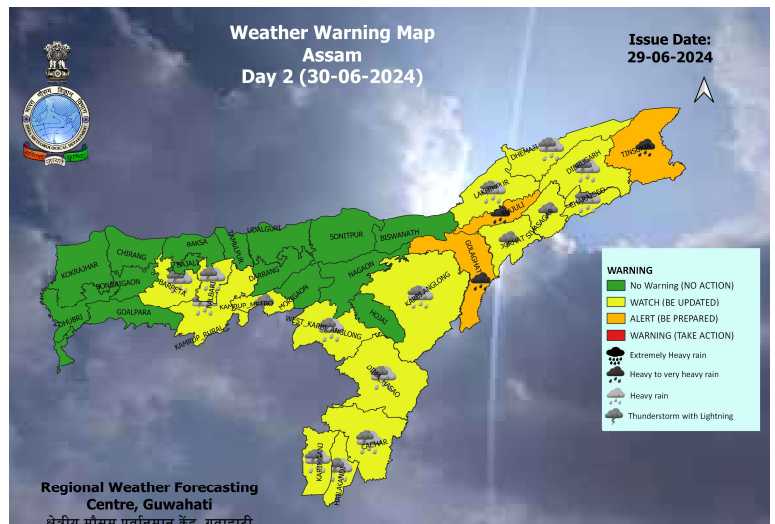
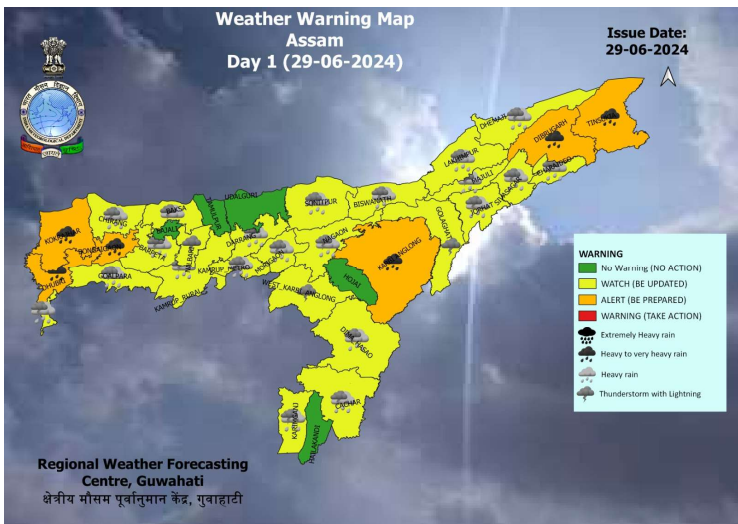
Probable Impacts

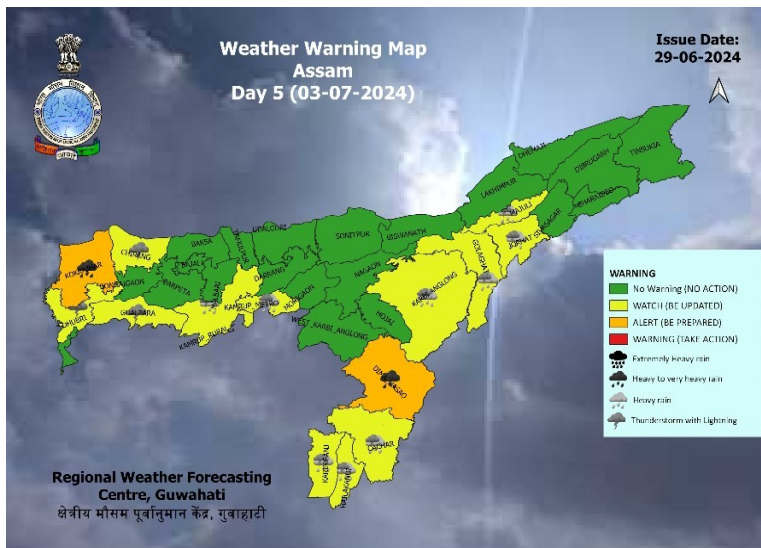
- ✓ Visibility may become poor due to intense spell of rainfall.
- ✓ Temporary disruption of traffic due to water logging in roads/ uprooting of trees.
- ✓ Damage to kutchra roads
- ✓ Possibility of damages to vulnerable structures due to heavy to very heavy rain
- ✓ Water logging in low lying areas.
- ✓ Landslides/land slip in some locations likely.
- ✓ Heavy rainfall may damage the standing crops and vegetables in the maturity stage.
- ✓ Lightning may injure people and cattle at open place.
- ✓ Dispersion of soil from the field and hence seed displacement and poor germination of seeds.

Actions suggested

- Follow any traffic advisories.
- Avoid going to areas that face water logging problem often.
- Avoid staying in landslide prone areas.
- Take shelter during thunderstorm/lightning activities.
- Provide mulch at the base of the crop to prevent soil and root damage.
- Avoid working in the fields during thunderstorm/lightning period.
- Postpone sowing of rice, jute, maize and vegetables; if already sown, avoid water stagnation in the field and cover the seeded area with natural mulching materials like straw, farm residues etc.
- Be updated.

Districtwise Warnings for Assam (29th June – 03rd July, 2024)





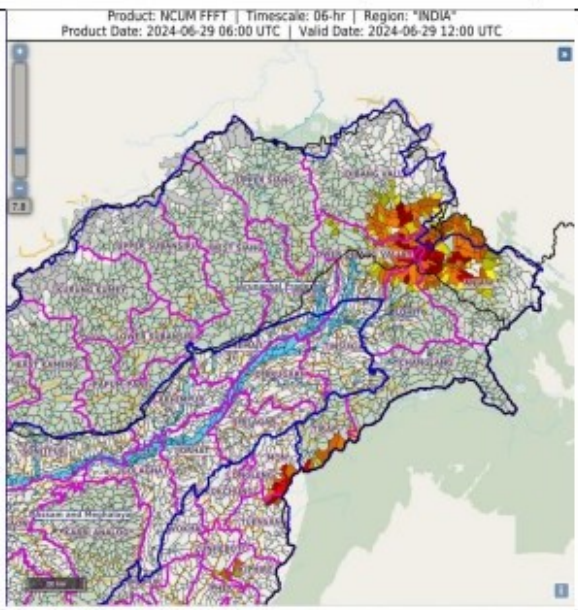
GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
Flood Meteorological Office
Regional Meteorological Centre, Guwahati

Forecast Flash Flood Threat (FFFT) till 1730 IST of 29-06-2024 :

Low to Moderate flash flood threat likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours.

Arunachal Pradesh - Dibang Valley, Lohit, Lower Dibang Valley, Tirap and Anjaw districts.
NMMT - Mon and Tuensang districts.

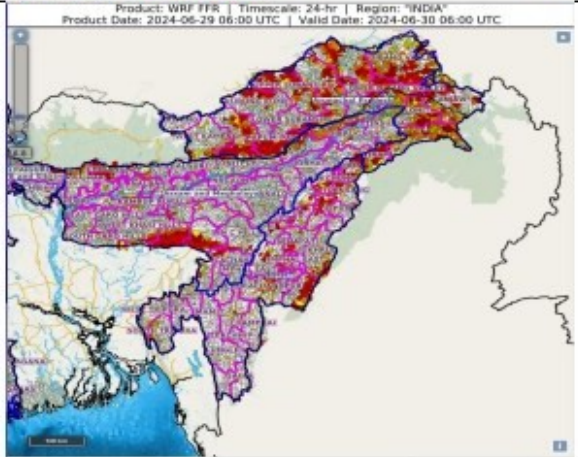
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 6 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 30-06-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Arunachal Pradesh** and adjoining **NMMT** 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.



Legends:

Green: No warning **Yellow:** Be updated **Orange:** Be prepared **Red:** Take action

Probability of Occurrence (%): Unlikely:<25%; Likely:25-50%; Very Likely:50-75%; Most Likely:> 75%.

Heavy Rain: 64.5-115.5 mm/day, **Spatial Distribution:** isolated rain ($\leq 25\%$ of stations gets rain), scattered or at a few places rain (26 to 50% of stations gets rain), at many places or fairly widespread rain (51–75% of stations gets rain) and at most places or widespread rain ($> 75\%$ of stations gets rain)

For Detailed weather forecasts& warnings, kindly visit RMC Guwahati website

(<https://mausam.imd.gov.in/guwahati>)

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Kindly download and use "Mausam" App for location specific forecast and warning "Meghdoot" App for Agromet advisory and "Damini" App for Lightning warning