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Ministry of Earth Sciences / पृथ्वी विज्ञान मंत्रालय
India Meteorological Department / भारत मौसम विज्ञान विभाग
Regional Meteorological Centre Guwahati / क्षेत्रीय मौसम विज्ञान केंद्र गुवाहाटी
Meteorological Centre Itanagar / मौसम विज्ञान केंद्र ईटानगर
Banderdewa, Arunachal Pradesh – 791123 / बंदरदेवा, अरुणाचल प्रदेश - 791123

Special Weather Bulletin

Date: 21.02.2024

Sub: Increase in the Rainfall Activity over Arunachal Pradesh during 21-23 February 2024.

A cyclonic circulation lies over northeast Assam and neighborhood at 1.5 km above mean sea level. The trough in westerlies roughly along Long 93 °E to the north Lat 22 °N at 3.1 km. Moisture incursion is very likely to occur due to Strong low-level Southerly / South-westerly winds from the Bay of Bengal to Northeast India during 21-23 February 2024. Under its influence fairly-widespread to widespread rainfall activity with **isolated heavy rainfall/thunderstorm lightning** is very likely to occur over ARUNACHAL PRADESH region during the 21-23 February 2024.

Chief amount of Rainfall received (>=7 cm) in the last 24 hours

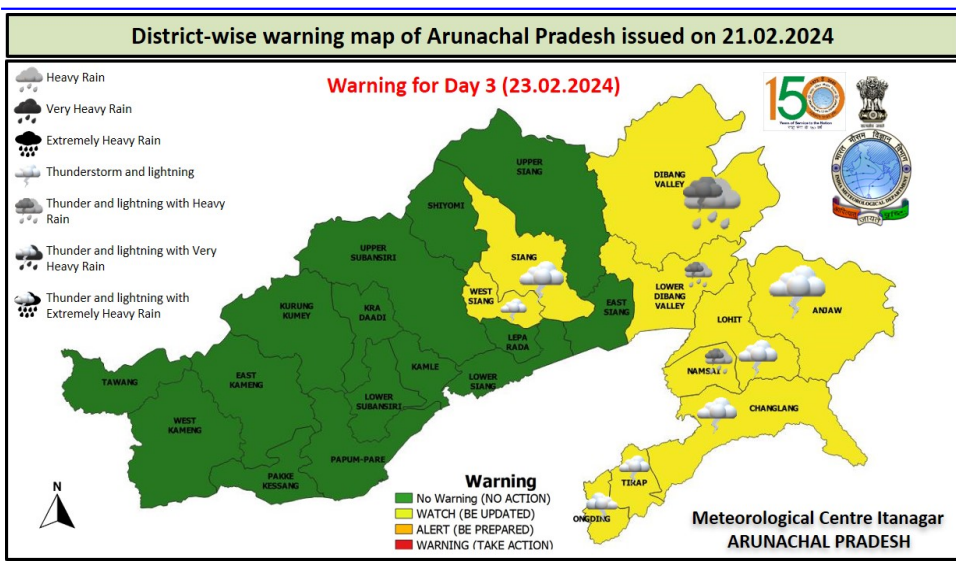
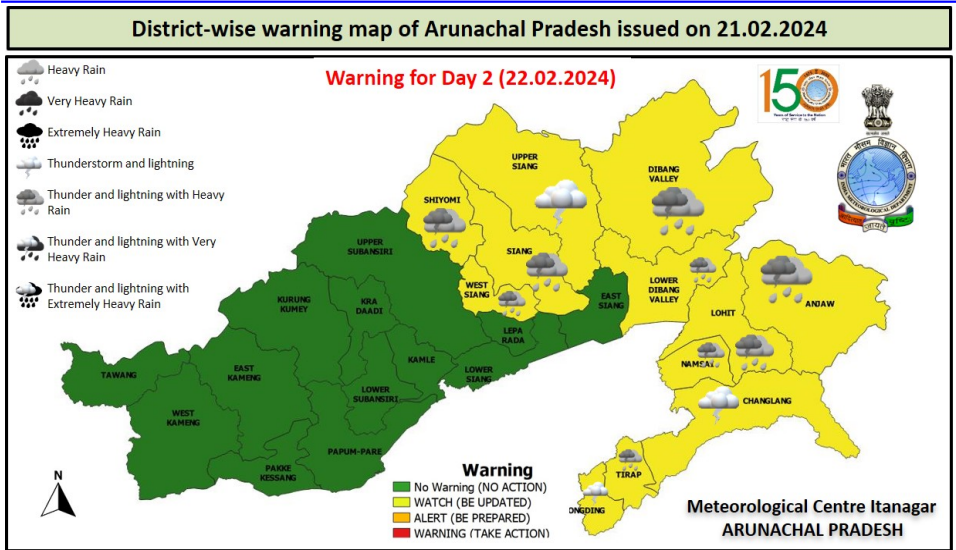
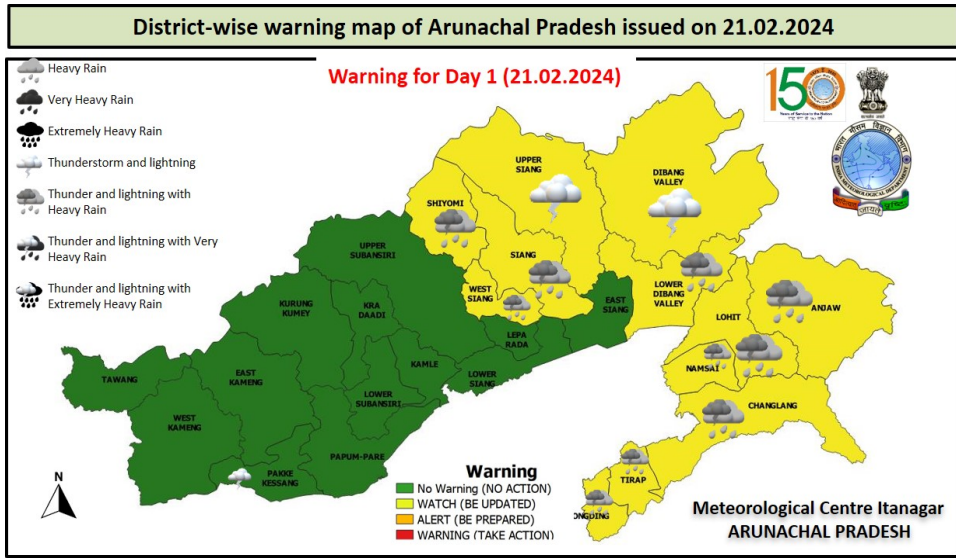
ARUNACHAL PRADESH: NIL

Thunderstorm/Heavy Rainfall Warnings for Arunachal Pradesh for the next five days: -

DATE	Forecast / Warning for ARUNACHAL PRADESH**
21.02.2024	Light to moderate rainfall at most places with isolated heavy rainfall. Thunderstorm/ Lightning at isolated Places.
22.02.2024	Light to moderate rainfall at most places with isolated heavy rainfall. Thunderstorm/ Lightning at isolated Places.
23.02.2024	Light to moderate rainfall at many places with isolated heavy rainfall. Thunderstorm/ Lightning at isolated Places.
24.02.2024	Light to moderate rain is very likely to occur at few places. No Warning.
25.02.2024	Light to moderate rain is very likely to occur at few places. No Warning.

**Note: Forecast and warnings are valid till 0830 hrs IST of the next day
https://mausam.imd.gov.in/itanagar/mcdata/AP_warning.pdf Weather Warning at district level from day-1 to day-5 forecast.

Warning Maps:



Probable Impacts:

- ✓ Visibility may become poor due to intense spell of rainfall leading to traffic congestion.
- ✓ Temporary Disruption of traffic due to water logging in roads/ uprooting of trees leading to increased travel time.
- ✓ Water logging / flooding in the low-lying areas.
- ✓ Landslides/mud slide/land slip very likely.
- ✓ Possibility of flash floods due to intense spell of rainfall.
- ✓ Possibility of damages to vulnerable structures due to Heavy rainfall/gusty winds/landslides.
- ✓ Damage to power and communication lines due to breaking of branches.
- ✓ Damage to standing crops including agricultural and horticultural crops due to heavy rain and squally winds.
- ✓ Vulnerable structures like hoardings, tents and display boards may be damaged due to squally winds.
- ✓ 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 traffic advisories issued, if any.
- Avoid going to areas that face water logging problems/river front.
- Avoid staying in vulnerable structure/ landslide prone areas.
- Provide proper drainage in the cropped field if heavy rainfall is expected.
- Propping of the vegetable pandal’s recommended.
- Provide mulch at the base of the crop to prevent soil and root damage.
- Postpone sowing of seeds; 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.

*Duty Meteorological Officer
For Head, MC Itanagar,
Arunachal Pradesh*

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, **Very Heavy Rain:** 115.6-204.4 mm/day, **Extremely Heavy Rain:** >204.5mm/day **Spatial Distribution:** isolated (≤25% of stations gets rain), scattered or at a few places (26 to 50% of stations gets rain), at many places or fairly widespread (51–75% of stations gets rain) and at most places or widespread (>75% of stations gets rain)

For Detailed weather forecasts & warnings, kindly visit MC Itanagar website (<https://mausam.imd.gov.in/itanagar/>)

Phone: 0360-2266190; Fax: 0361-2840238; e-mail: mcitanagar@yahoo.com; mcitanagar@gmail.com

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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

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