



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

Special Weather Bulletin

Date: 12.07.2023

SUBJECT: Heavy to Very Heavy with Extremely Heavy rainfall activity over ARUNACHAL PRADESH for the next 48-hours

The Monsoon Trough at mean sea level now passes through Bikaner, Gwalior, Sidhi, Gaya, Balurghat and thence northeastwards to Arunachal Pradesh. Moisture incursion due to strong low-level Southerly/ Southwesterly winds from the Bay of Bengal to Northeast India is very likely during the next 3-days. Under its influence widespread rainfall activity with **heavy to very heavy rainfall with extremely rainfall and thunderstorm with lightning** is very likely to occur over ARUNACHAL PRADESH region during the next 48-hours.

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

ARUNACHAL PRADESH: MO PASSIGHAT 11, ROING 12; TUTING 7; TEZU 10; HAYLANG CIRCLE 9; PASSIGHAT CWC 12;

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

DATE	Forecast / Warning for ARUNACHAL PRADESH
12.07.2023	Heavy to Very Heavy with extremely heavy rain is very likely to occur at isolated places over Arunachal Pradesh. Thunderstorm with lightning is very likely to occur at isolated places.
13.07.2023	Heavy to Very Heavy with extremely heavy rain is very likely to occur at isolated places over Arunachal Pradesh. Thunderstorm with lightning is very likely to occur at isolated places.
14.07.2023	Heavy to Very Heavy rain is very likely to occur at isolated places over Arunachal Pradesh.
15.07.2023	Heavy rain is very likely to occur at isolated places over Arunachal Pradesh.
16.07.2023	Heavy rain is very likely to occur at isolated places over Arunachal Pradesh.

**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.

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*

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/>)

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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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