



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: 27.06.2024

Sub: Very Intense Rain Spell over Itanagar and Mebo stations, Arunachal Pradesh.

1. The Cyclonic Circulation over East Assam between 1.5 and 3.1 km above mean sea level. Another cyclonic circulation over north Bangladesh and neighborhood at 0.9 km above mean sea level.
2. 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 this period. Under its influence widespread rainfall activity with **isolated heavy rainfall and thunderstorm lightning** is very likely to occur over PAPUM PARE district on 27.06.2024.

ITANAGAR (dist Papum Pare) and MEBO (dist East Siang) rainfall:

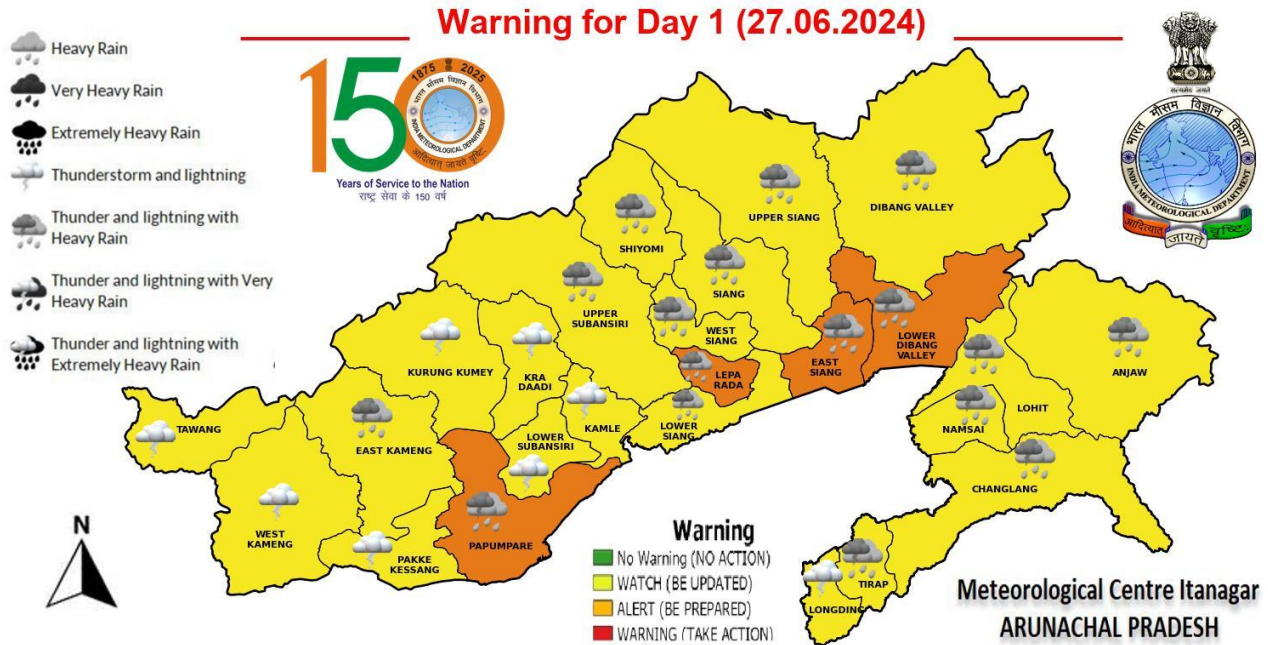
1. Itanagar (dist Papum-Pare) received total rainfall of 52.0 mm till 12:30 IST hours.
2. Mebo (dist East-Siang) received total rainfall of 62.0 mm till 12:30 IST hours.

Rainfall spell category

Category	Range of daily rainfall of a station
Light spell	1 cm/hour
Moderate spell	1-2 cm/hour
Intense spell	2-3 cm/hour
Very Intense spell	3-5 cm/hour
Extremely Intense spell	5-10 cm/hour
Cloud Burst(CB)	> 10 cm/hour

DAY-1 WARNING MAP

District-wise warning map of Arunachal Pradesh issued on 27.06.2024



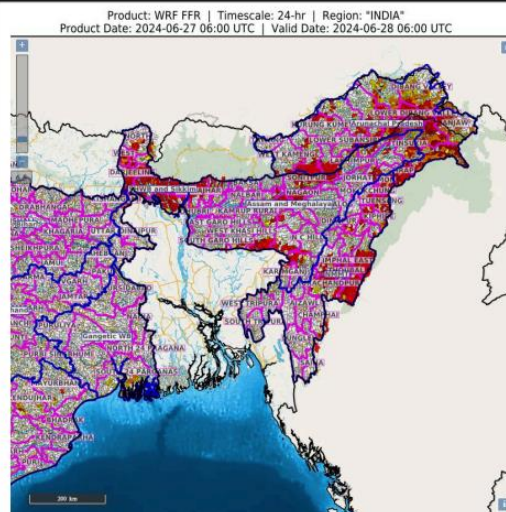
**Note: Forecast and warnings are valid till 0830 hrs IST of the next day

https://mausam.imd.gov.in/itanagar/mcdata/AP_warning.pdf Weather Warning at district level from day-1 to day-5 forecast.

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 28-06-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of Arunachal Pradesh, Assam & Meghalaya, 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.



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.

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 ($\leq 25\%$ 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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