



**India Meteorological Department
(Ministry of Earth Sciences)**

NATIONAL BULLETIN NO. 30 (BOB/01/2024)

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Sub: Depression (remnant of Cyclonic Storm "Remal") over northeast Bangladesh and adjoining Meghalaya

The **Depression (remnant of Cyclonic Storm "Remal")** over east Bangladesh moved nearly northeastwards with a speed of 16 kmph during past 06 hours and lay centered at 1130 hours IST of today, the 28th May, 2024 over northeast Bangladesh and adjoining Meghalaya, near latitude 25.1°N and longitude 91.8°E, about 90 km north of Srimangal (Bangladesh), 20 km south-southeast of Cherrapunji, 150 km north-northeast of Agartala, 50 km south of Shillong, 110 km west-northwest of Silchar (Assam) and 120 km west of Haflong.

The system is likely to move nearly northeastwards, and weaken into a Well Marked Low Pressure Area over Eastern Assam and neighbourhood by evening of today, the 28th May, 2024.

Warnings (Graphics Attached):

Heavy Rainfall Warning:

Northeastern States: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places is very likely over Eastern Assam, Meghalaya, Mizoram & Tripura and at isolated places over Arunachal Pradesh, Nagaland, Manipur on 28th May. Isolated **extremely heavy rainfall** (≥ 20 cm) is also likely over south Assam, Meghalaya & Tripura on 28th May.

Wind Warning:

Northeastern States: Squally wind speed reaching **40-50 kmph gusting to 60 kmph** is likely over Eastern Assam and Meghalaya, Mizoram, Tripura and **35-45 kmph gusting to 55 kmph** is likely over Nagaland, Manipur and remaining parts of Assam till evening of 28th May.

Damage Expected over Northeastern States (Assam, Meghalaya, Arunachal Pradesh, Manipur, Tripura, Mizoram) on 28th May

- Damage to vulnerable and thatched huts
- Unattended metal sheets may fly.
- Damage to banana & papaya trees
- Damage to Kutcha and minor damage to Pucca roads due to heavy rain.
- Damage to paddy crops, horticultural crops and orchards.
- Inundation of low-lying areas, localized flooding and landslides & mudslides.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic due to water logging, landslides/mudslides, landslips/mudslips , landsinks/mudsinks and squally winds

Action Suggested for Damage Expected over Northeastern States (south Assam, Meghalaya, Arunachal Pradesh, Manipur, Tripura, Mizoram) on 28th May:

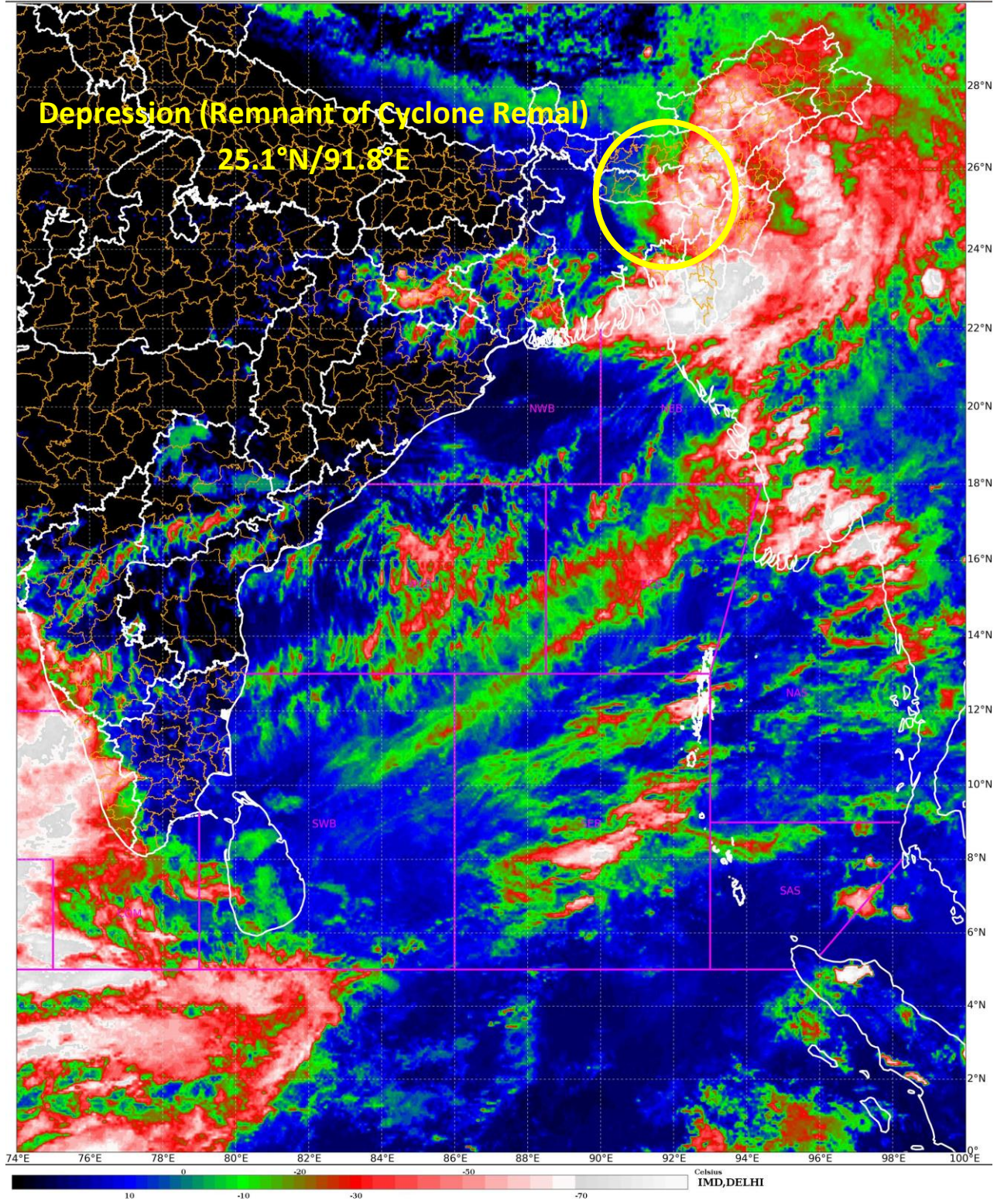
- People in vulnerable areas to move to safer places.
- People in affected areas to remain indoors.
- Avoid going to areas that face the water logging and landslide/mudslide problems often.

The system is under continuous surveillance and the next message will be issued at 2030 hours IST of 28th May, 2024.

(Shashi Kant)

Scientist D, Cyclone Warning Division, New Delhi

*Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWC Visakhapatnam/MO
Port Blair/RMC Guwahati*





FORECAST TRACK IN ASSOCIATION WITH DEPRESSION (REMANANT OF SEVERE CYCLONIC STORM 'REMAL') OVER NORTHEAST BANGLADESH AND ADJOINING MEGHALAYA BASED ON 0600 UTC (1130 IST) OF 28TH MAY 2024.



DATE/TIME IN UTC
IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● LESS THAN 34 KT

○ 34-47 KT

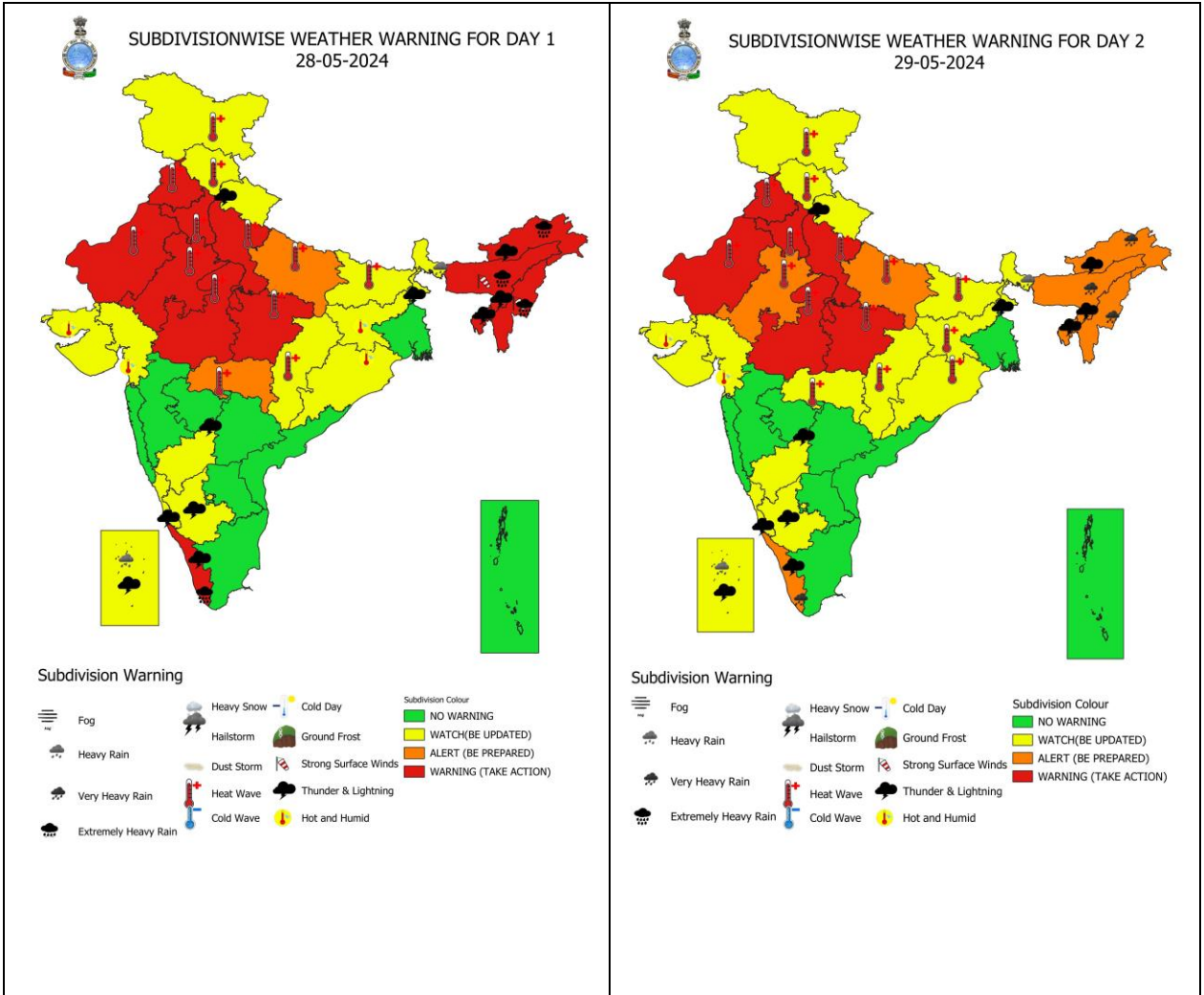
○ ≥ 48 KT

— OBSERVED TRACK

— FORECAST TRACK

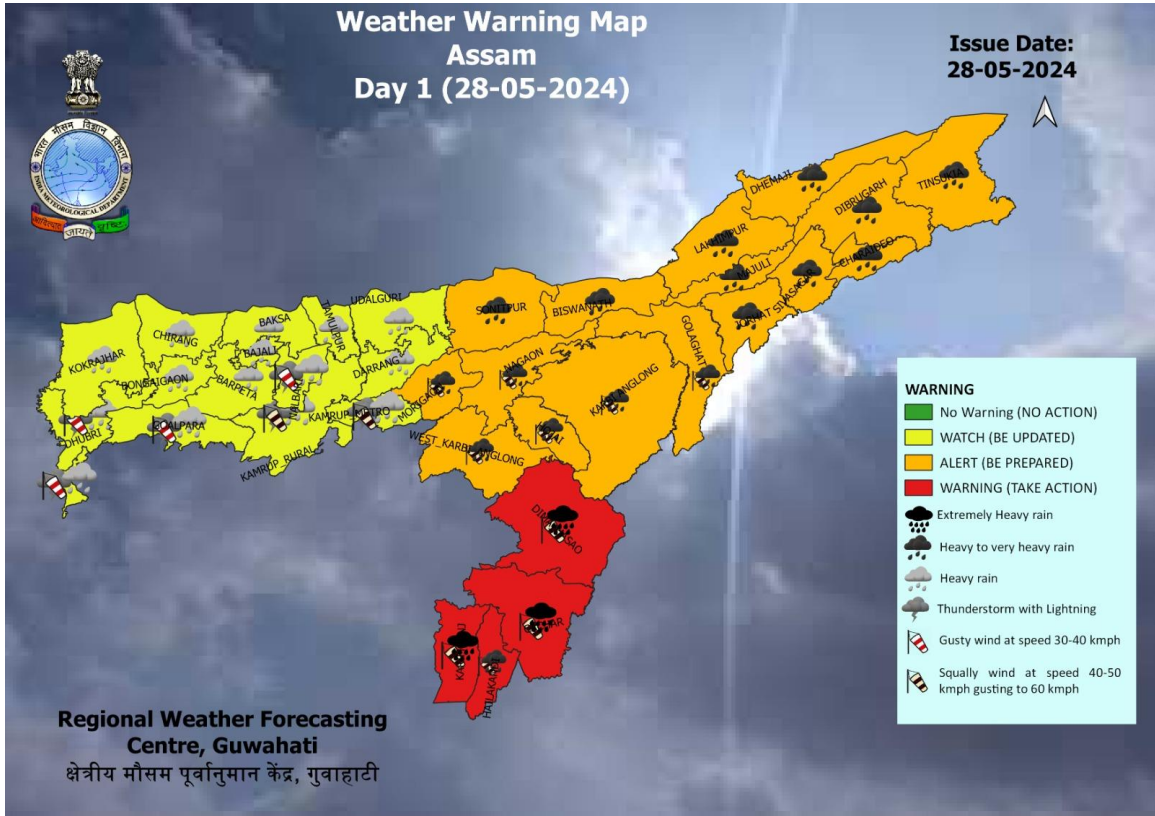
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All India Weather Warning Graphics

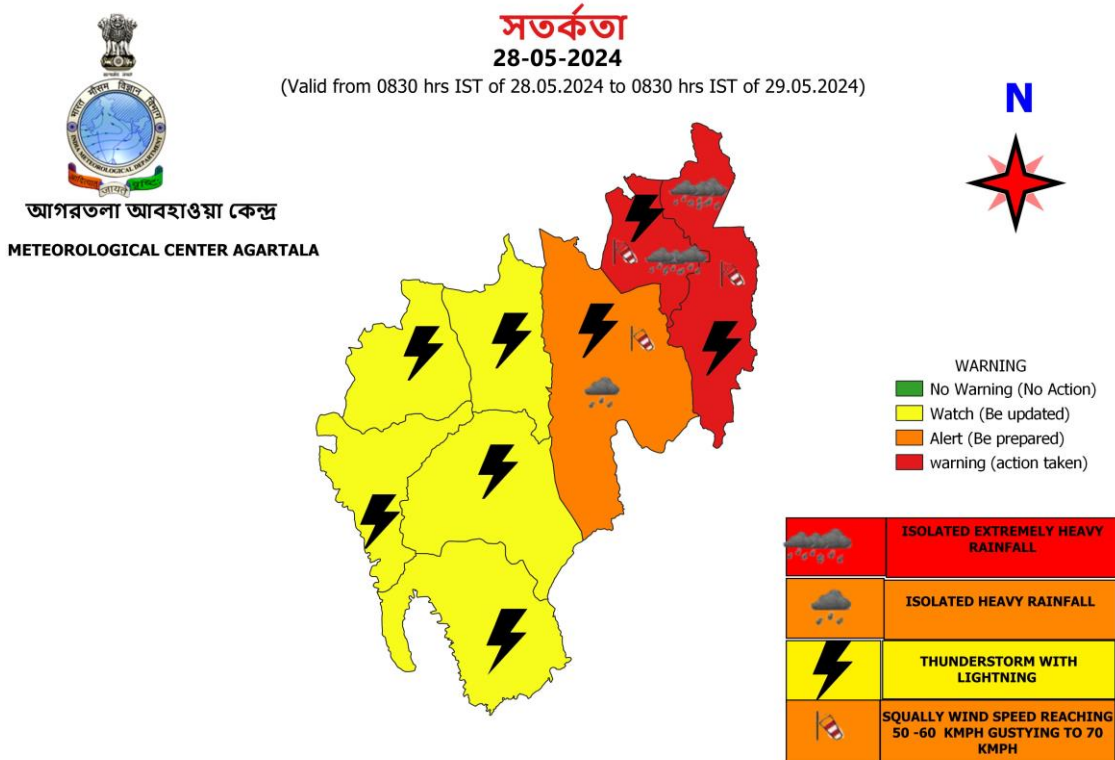


Warning Graphics of North-eastern States of India

Assam



TRIPURA



MEGHALAYA



भारत सरकार/ Government of India
 पृथ्वी विज्ञान मंत्रालय/ Ministry of Earth Sciences
 भारत मौसम विज्ञान विभाग/ India Meteorological Department
 मौसम विज्ञान केन्द्र/ Meteorological Centre
 शिलांग, मेघालय - ७९३००५/ Shillong, Meghalaya-793005



Weather Warning Map Meghalaya Day-1 (28-05-2024)

Issue Date: 28-05-2024



INTENSITY	RAINFALL (mm)
Heavy Rain	64.5 to 115.5
Very Heavy Rain	115.6 to 204.4
Extremely Heavy rain	>204.4

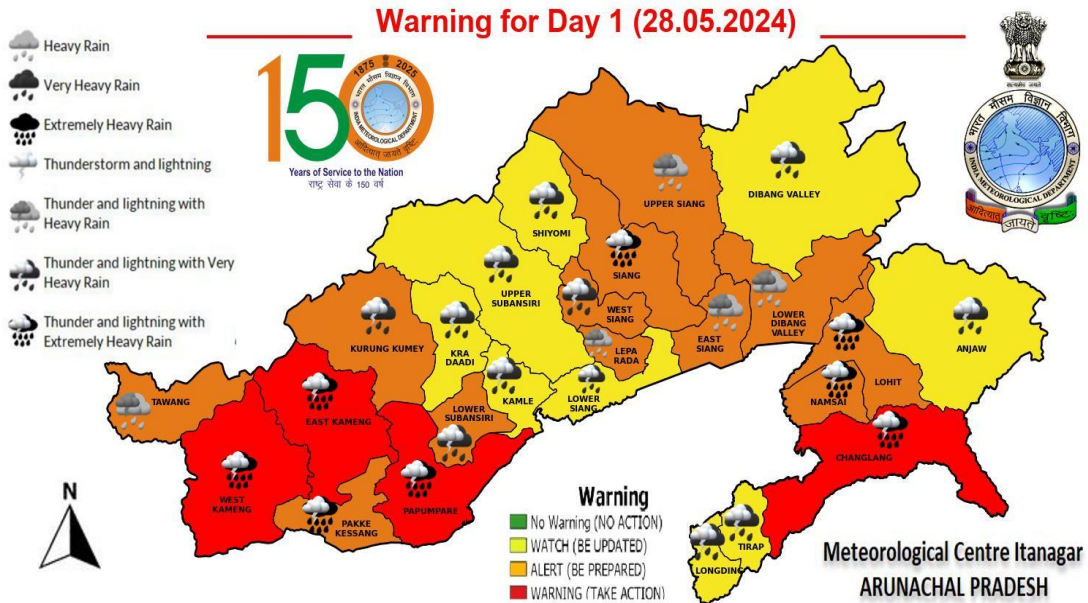
WARNING

WARNING (TAKE ACTION)
 ALERT (BE PREPARED)
 WATCH (BE UPDATED)
 NO WARNING (NO ACTION)

Probabilistic Forecast	
Terms	Probability of Occurrence(%)
Unlikely	<25
Likely	25-50
Very likely	50-75
Most likely	>75

Heavy Rain
 Heavy Snow
 Thunderstorm
 Dust Storm
 Strong Winds
 Visibility
 Cyclone
 Squall/ Hail
 Dense Fog

District-wise warning map of Arunachal Pradesh issued on 28.05.2024



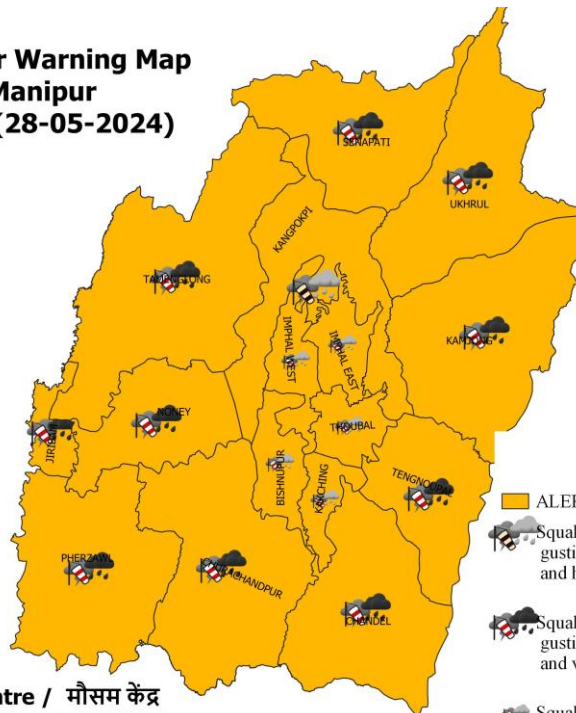
MIZORAM
Valid for 28th May, 2024



MANIPUR

**Weather Warning Map
 Manipur
 Day 1 (28-05-2024)**

**Issue Date:
 28-05-2024**



Warning

- ALERT (BE PREPARED)
- Squally wind with wind speed 40 to 50 kmph gusting to 60 kmph and heavy rain is very likely at isolated places
- Squally wind with wind speed 40 to 50 kmph gusting to 60 kmph and very heavy rain very likely at isolated places.
- Squally wind with wind speed 30 to 40 kmph gusting to 50 kmph and heavy rainfall is very likely at isolated places



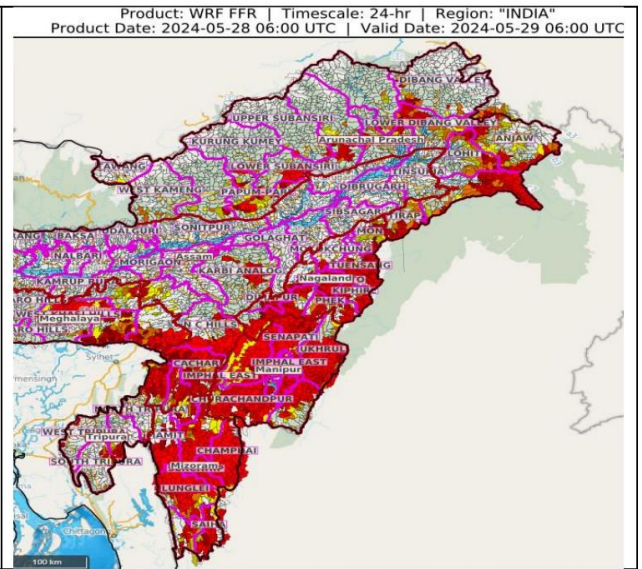
**Meteorological Centre / मौसम केंद्र
 Imphal – 795140 / इम्फाल- 795140**







Flash Flood Guidance for Northeastern States

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 29-05-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of **Arunachal Pradesh, Assam & Meghalaya** and NMMT Met Sub-divisions during next 24 hours.

Surface runoff/ Inundation may occur on low lying areas due to persistent rainfall under the influence of remnants of a cyclonic storm "Remal" during next 24 hours.



Flash Flood Threat	Flash Flood Risk
 High Threat (Take Action)	 High Risk (Take Action)
 Moderate threat (Be Prepared)	 Moderate Risk (Be Prepared)
 Low Threat (Be Updated)	 Low Risk (Be Updated)