



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

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Sub: Depression (remnant of Cyclonic Storm "Remal") over east Bangladesh

The **Depression (remnant of Cyclonic Storm "Remal")** over east Bangladesh moved east-northeastwards with a speed of 15 kmph during past 06 hours and lay centered at 0830 hours IST of 28th May, 2024 over the same region, near **latitude** 24.7 °N and longitude 91.5 °E, about 50 km west-northwest of Srimangal (Bangladesh), 70 km south-southwest of Cherrapunji, 90 km north-northeast of Agartala, 100 km south-southwest of Shillong, 130 km west of Silchar (Assam) and 160 km west-southwest of Haflong.

The system is likely to move east-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 & East 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, Manipur, Tripura, Mizoram) on 28th May

- ❖ Damage to vulnerable structures and thatched houses/ huts.
- ❖ Unattached metal sheets may fly.
- ❖ Damage to banana and 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 and localized flooding
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic due to water logging and squally winds

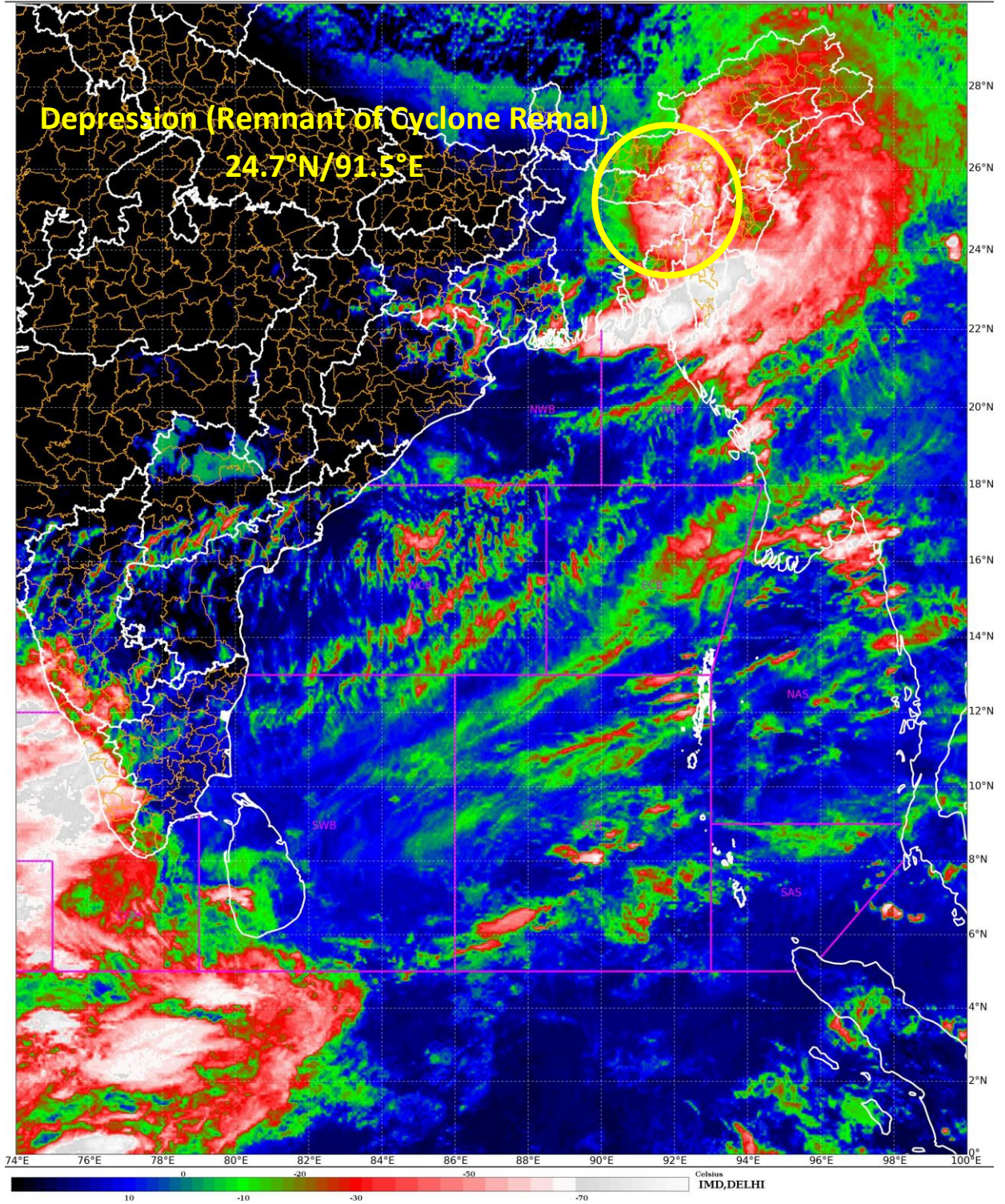
Action Suggested for Damage Expected over Northeastern States (south Assam, Meghalaya, Manipur, Tripura, Mizoram) on 28th May:

- ❖ 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 problems often.

The system is under continuous surveillance and the next message will be issued at 1430 hours IST of 28th May, 2024.

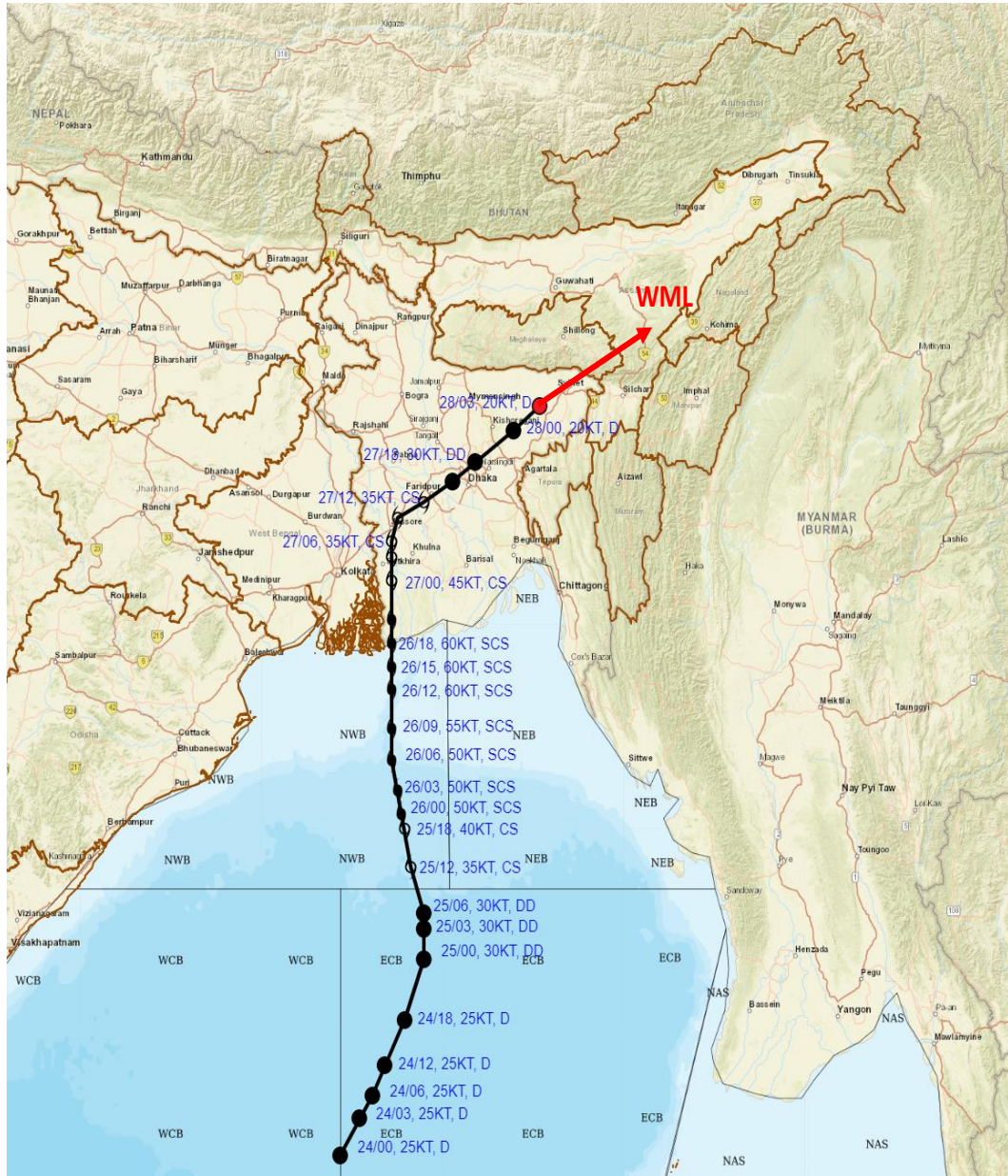
(Ananda Kumar Das)
Scientist F, Cyclone Warning Division, New Delhi

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





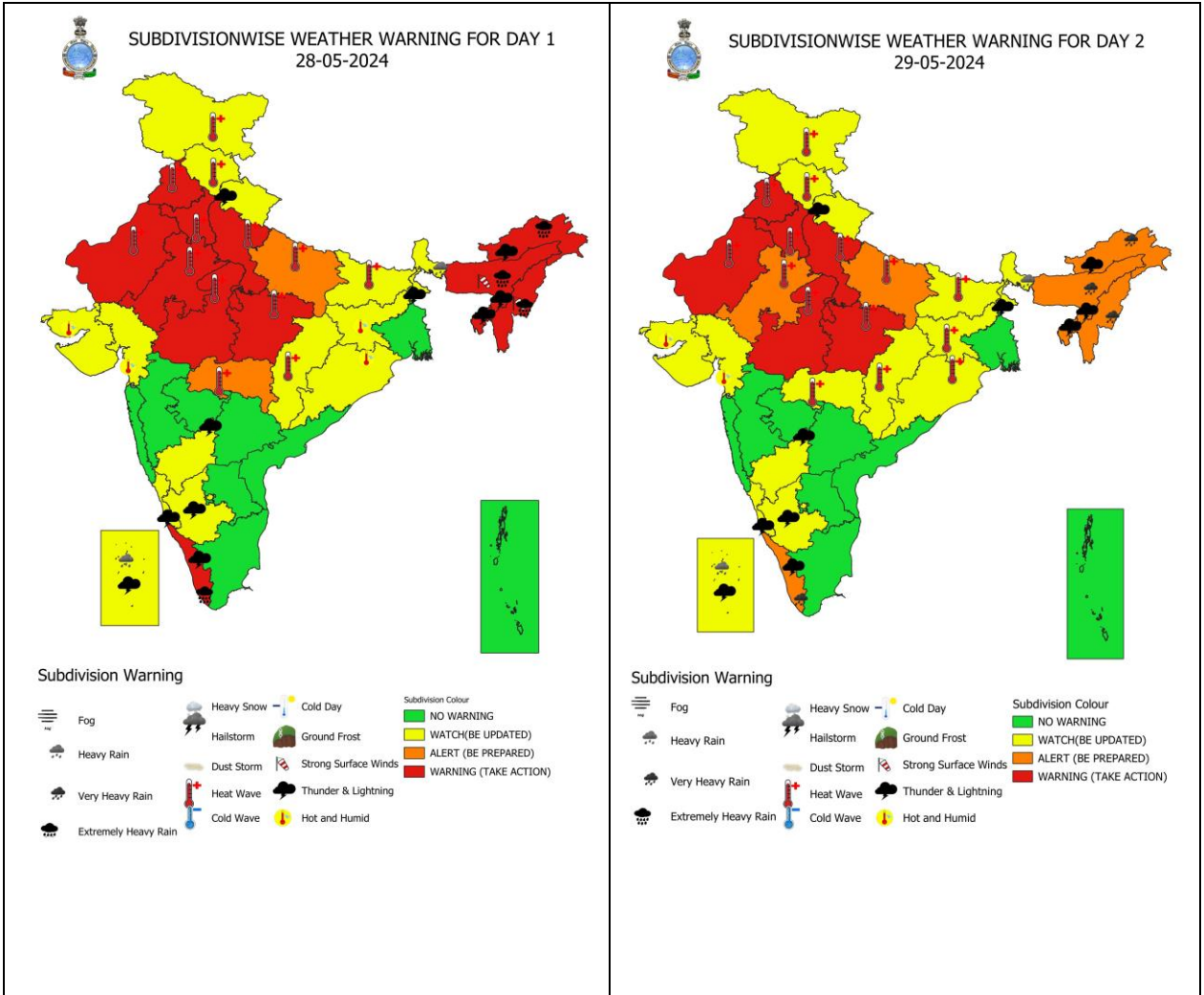
FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY IN ASSOCIATION WITH DEPRESSION (REMANANT OF CYCLONIC STORM 'REMAL') OVER EAST BANGLADESH BASED ON 0300 UTC (0830 IST) OF 28TH MAY 2024.



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 (\geq 120 KT)

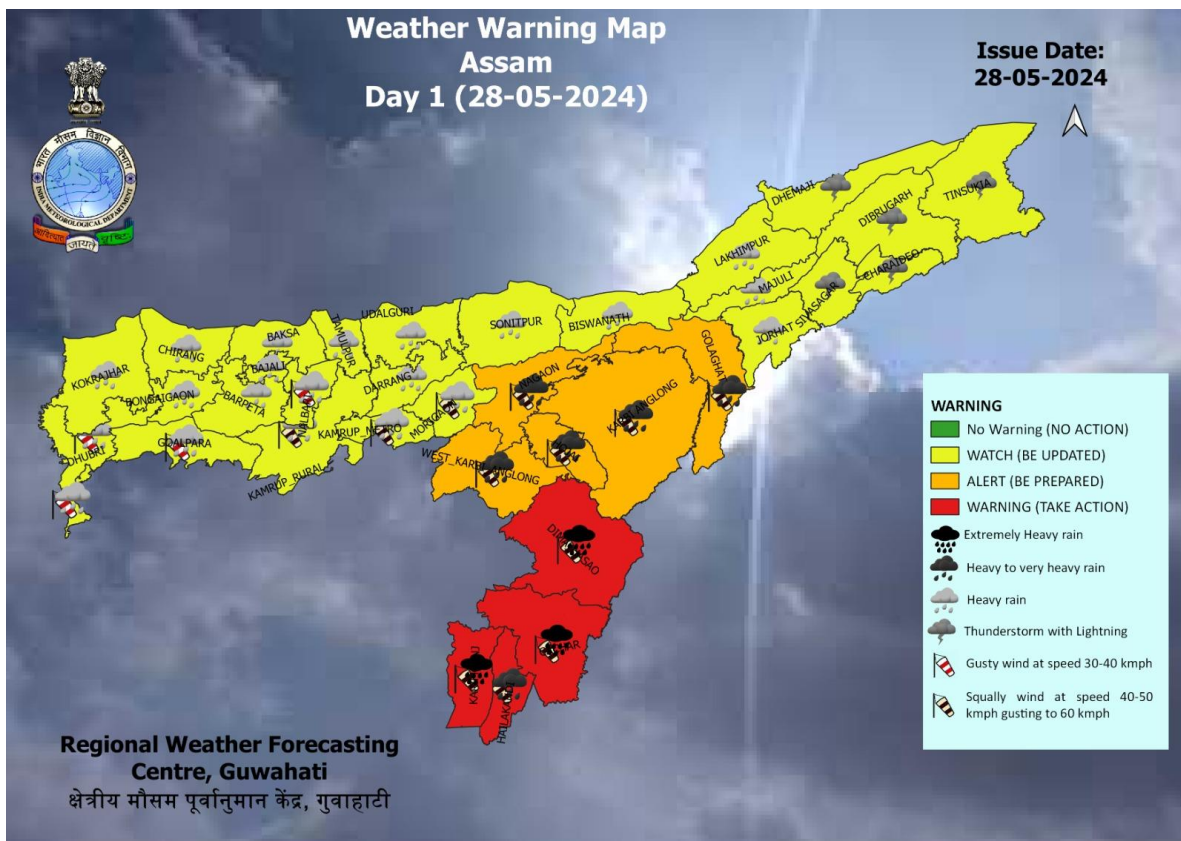
- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

All India Warning Graphics

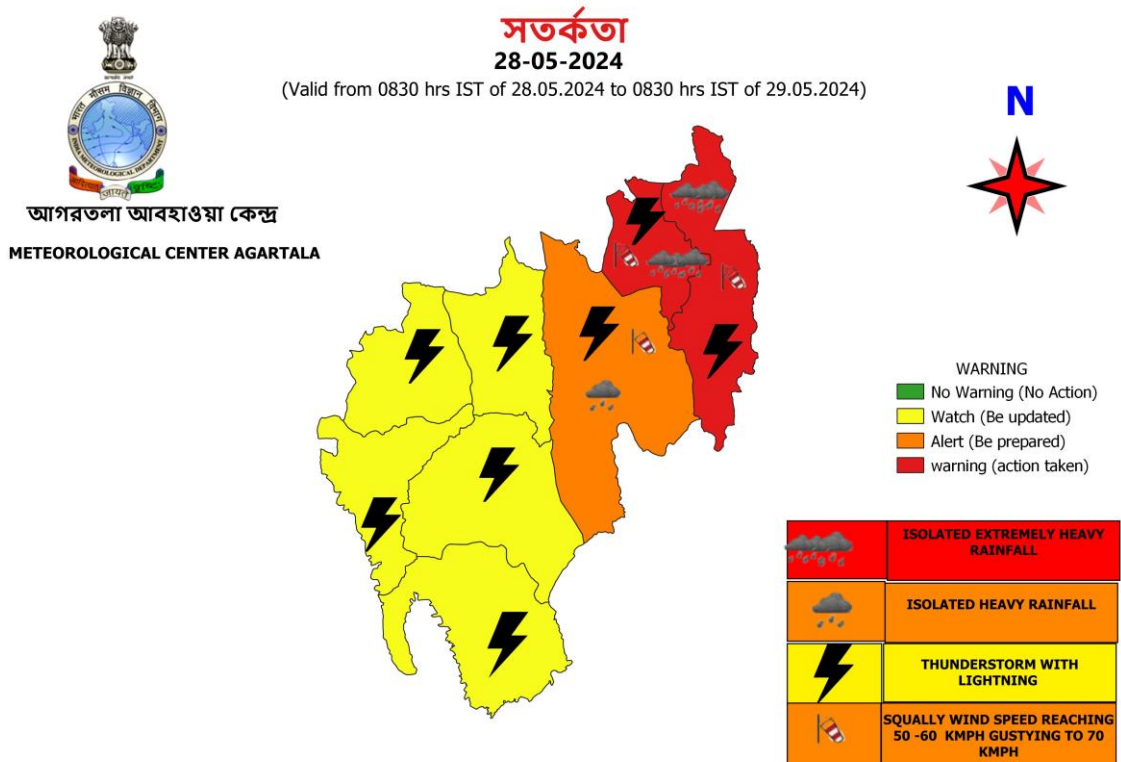


Warning Graphics of North-eastern States of India

Assam



TRIPURA



MEGHALAYA

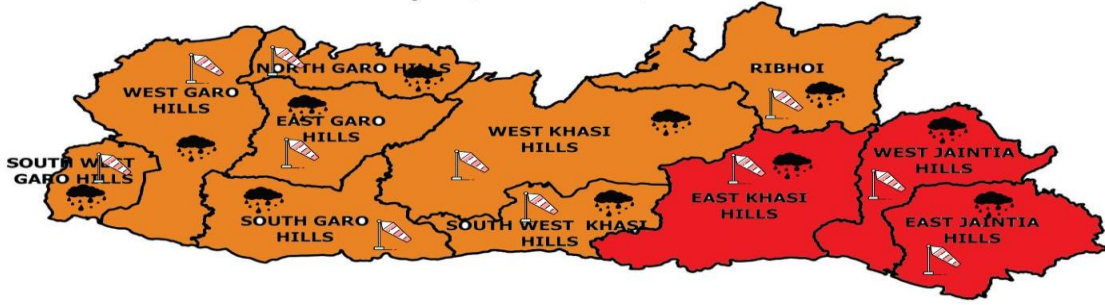


भारत सरकार/ Government of India
 पृथ्वी विज्ञान मंत्रालय/ Ministry of Earth Sciences
 भारत मौसम विज्ञान विभाग/ India Meteorological Department
 मौसम विज्ञान केन्द्र/ Meteorological Centre
 शिलांग, मेघालय - ७९३००५/ Shillong, Meghalaya-793005



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

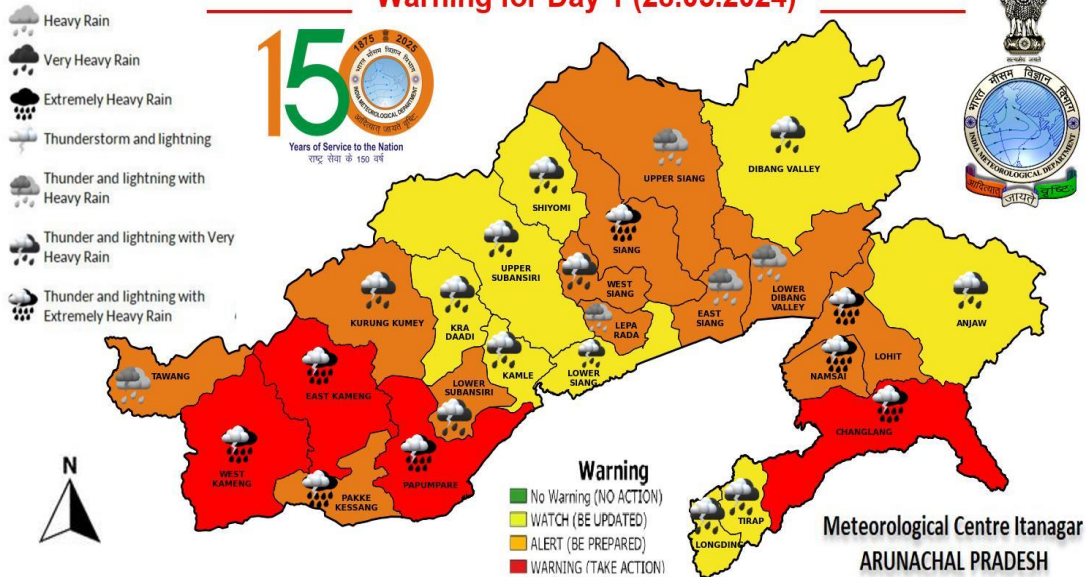
WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

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

Warning for Day 1 (28.05.2024)



- Heavy Rain
- Very Heavy Rain
- Extremely Heavy Rain
- Thunderstorm and lightning
- Thunder and lightning with Heavy Rain
- Thunder and lightning with Very Heavy Rain
- Thunder and lightning with Extremely Heavy Rain



Warning	
■	No Warning (NO ACTION)
■	WATCH (BE UPDATED)
■	ALERT (BE PREPARED)
■	WARNING (TAKE ACTION)

Meteorological Centre Itanagar
 ARUNACHAL PRADESH

MIZORAM

Valid for 28th May, 2024



WARNING

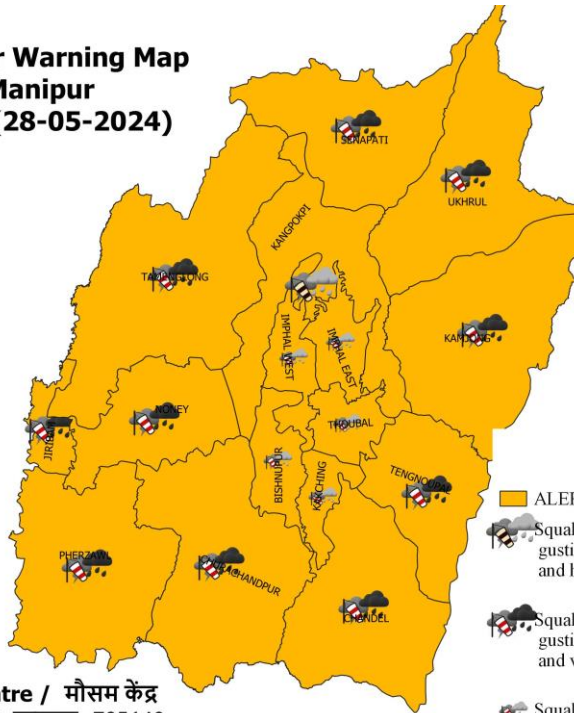
- No Warning (No Action)
- Watch (Be updated)
- Alert (Be prepared)
- warning (action taken)

	ISOLATED HEAVY TO VERY HEAVY RAINFALL
	ISOLATED HEAVY RAINFALL
	THUNDERSTORM WITH LIGHTNING
	SQUALLY WIND SPEED REACHING 30-60 KM/HR

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

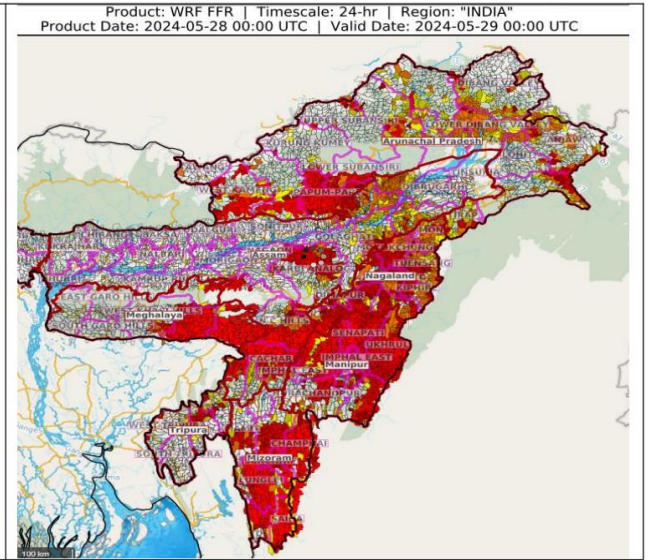
**Meteorological Centre / मौसम केंद्र
Imphal – 795140 / इम्फाल- 795140**

Flash Flood Guidance for Northeastern States

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 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 remnant Cyclonic Storm "Remal" in 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)