



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

NATIONAL BULLETIN NO. 31 (BOB/01/2024)

TIME OF ISSUE: 1930 HOURS IST **DATED: 28.05.2024**
FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

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CHIEF SECRETARY, GOVT. OF MEGHALAYA (FAX NO. 0364-2225978)

Sub: Depression (remnant of Cyclonic Storm "Remal") weakened into a Well Marked Low Pressure Area over northeast Assam & neighbourhood

The Depression (remnant of Cyclonic Storm "Remal") over northeast Bangladesh and adjoining Meghalaya moved nearly northeastwards during past 06 hours and weakened into a well marked low pressure area over northeast Assam & neighbourhood at 1730 hours IST of today, the 28th May, 2024.

The system is likely to move northeastwards and weaken further during next 12 hours.

Warnings (Graphics Attached):

Heavy Rainfall Warning:

Northeastern States: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated is very likely over Arunachal Pradesh, south & east Assam, Meghalaya & Mizoram and at isolated places over Arunachal Pradesh, Nagaland, Manipur on 28th May.

Wind Warning:

Northeastern States: Squally wind speed reaching **35-45 kmph gusting to 55 kmph** is likely over Arunachal Pradesh, Eastern Assam and Meghalaya and Mizoram during next 6 hours

Damage Expected over Northeastern States (south & east Assam, Meghalaya, Arunachal Pradesh, and Mizoram) on 28th May

- Damage to vulnerable and thatched huts
- Unattended metal sheets may fly.
- Damage to banana & papaya trees

- Damage to Kutchha 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 & east Assam, Meghalaya, Arunachal Pradesh and Mizoram) on 28th May:

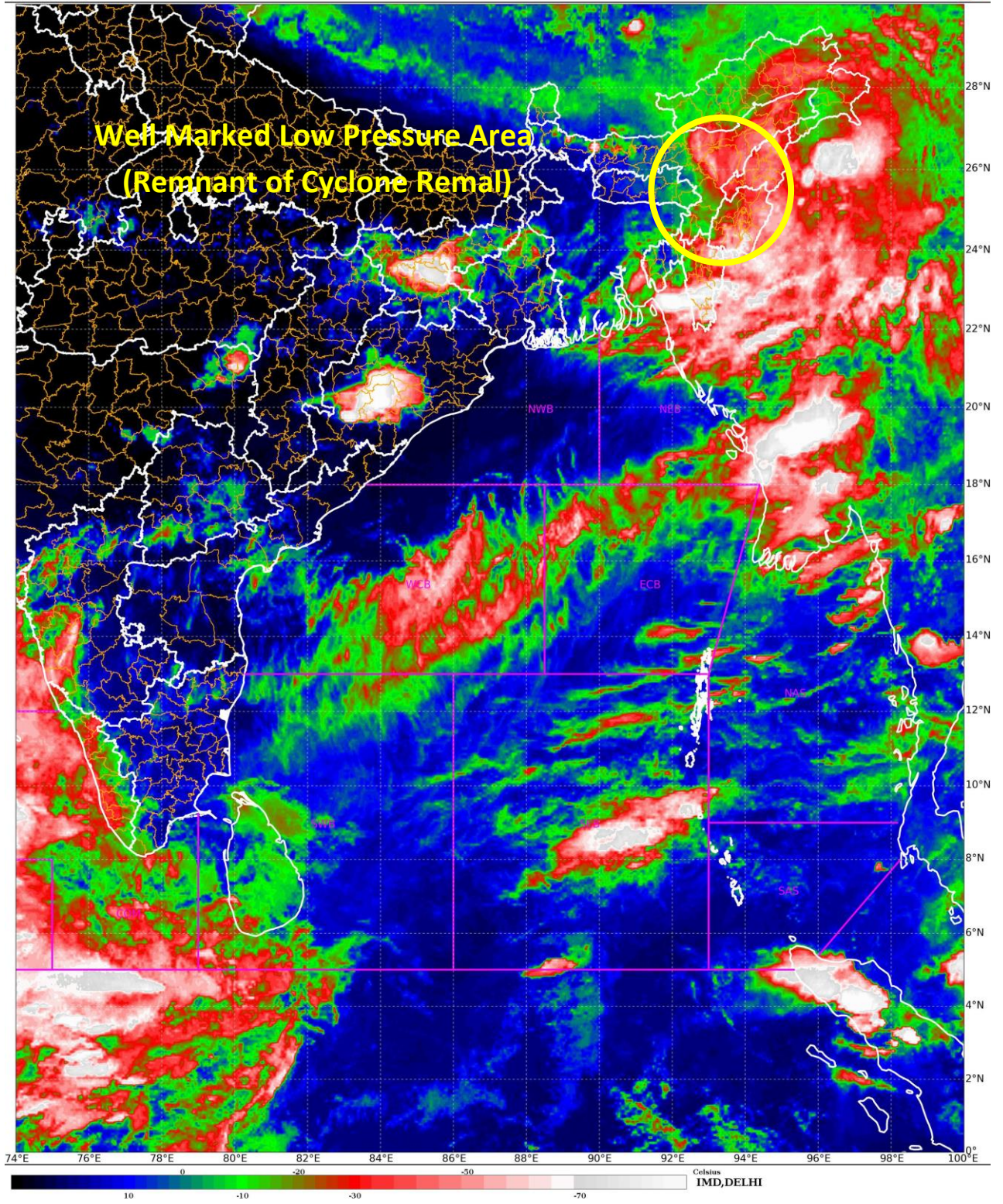
- People in vulnerable areas to move to safer places.
- People in affected areas to remain indoors.
- Avoid going to areas that face the water logging and landslide/mudslide problems often.

This is the last bulletin in association with the system. However regular weather bulletins shall continue from the respective Meteorological Centres, Regional Meteorological Centres and National Weather Forecasting Centre (NWFC), New Delhi of India Meteorological Department in association with its remnant well marked low pressure system.

(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





OBSERVED TRACK OF SEVERE CYCLONIC STORM 'REMAL' OVER BAY OF BENGAL DURING 24TH - 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

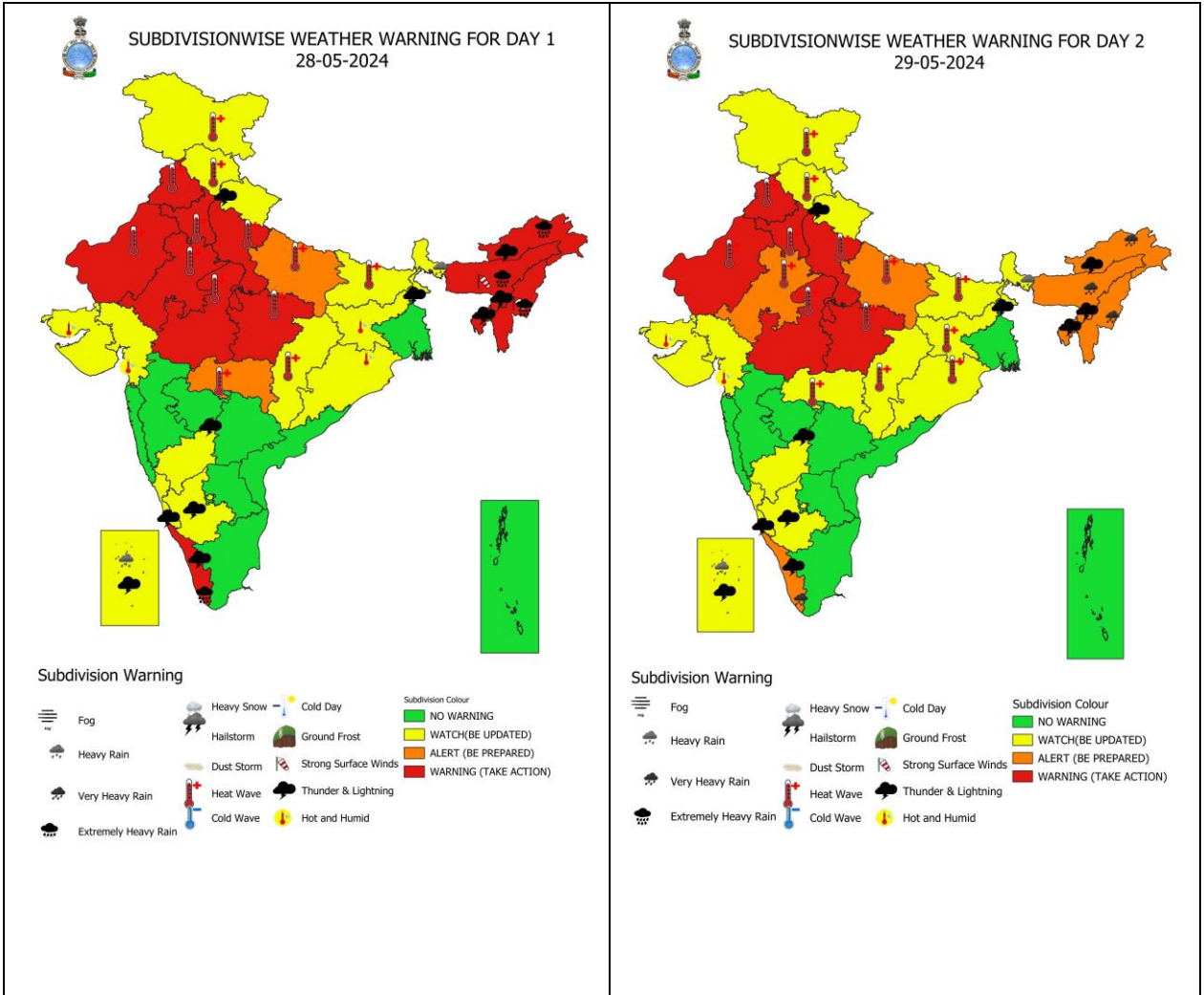
⊙ ≥ 48 KT

— OBSERVED TRACK

— FORECAST TRACK

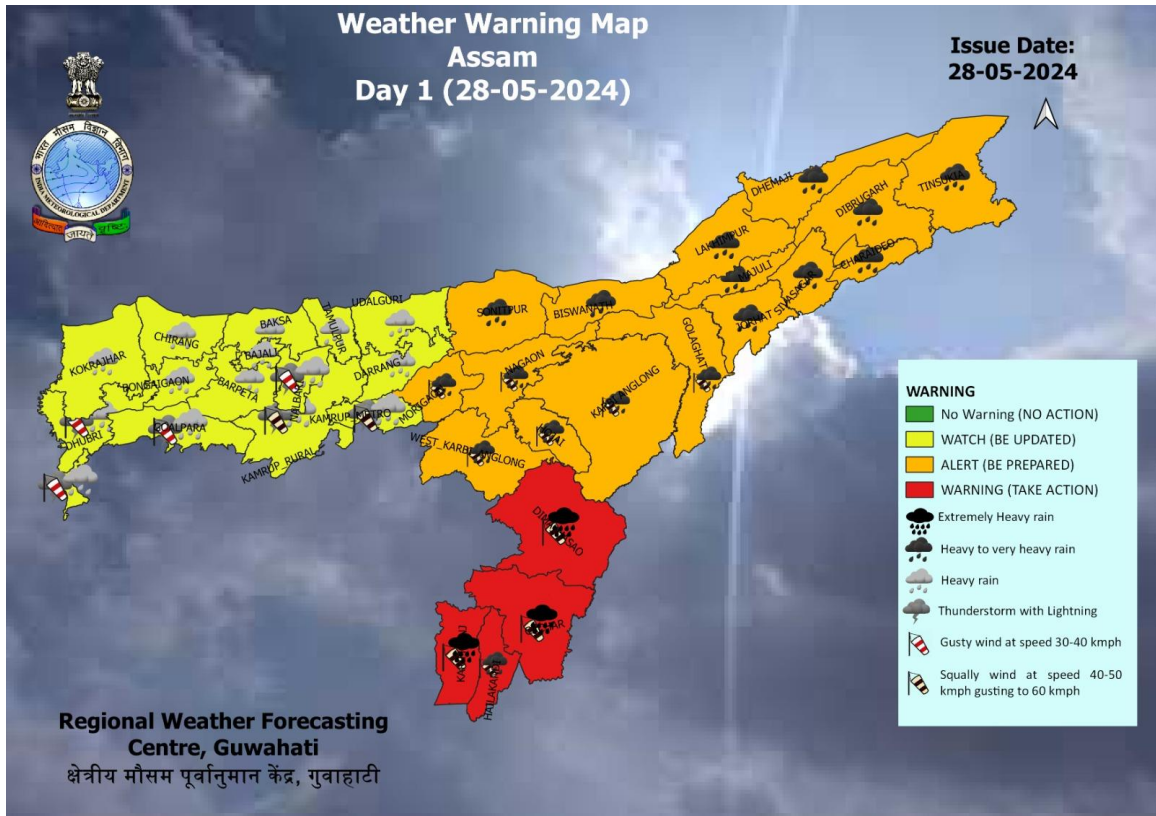
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All India Weather Warning Graphics

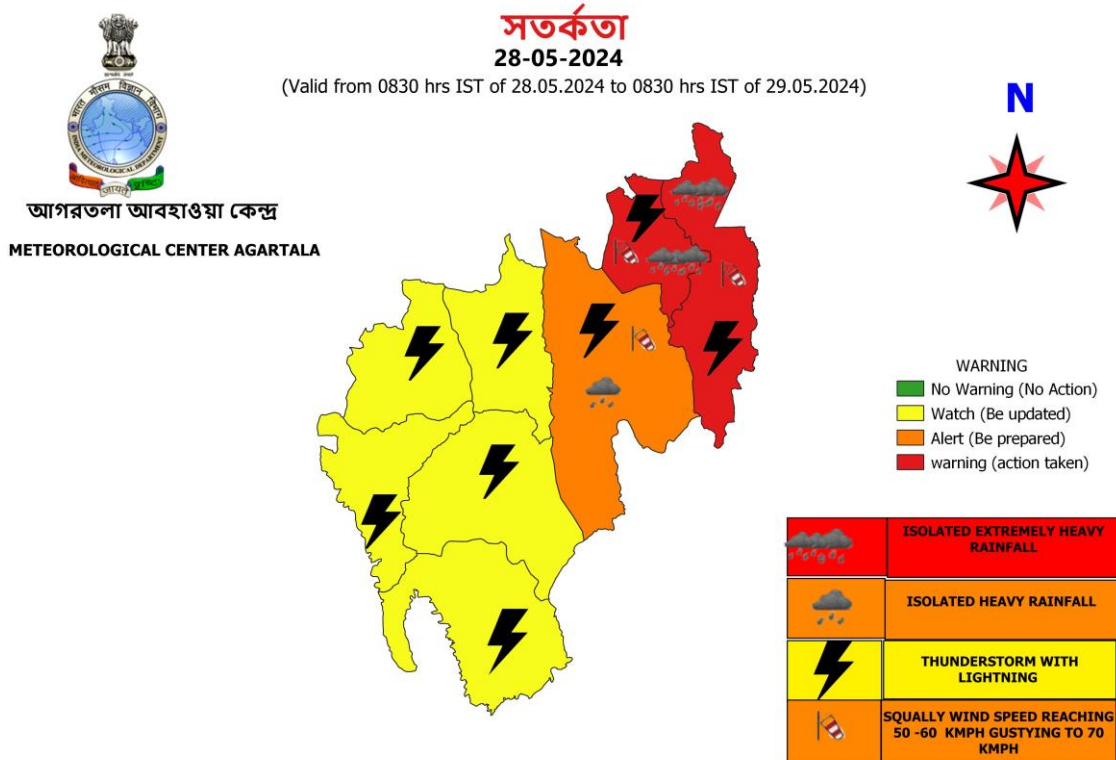


Warning Graphics of North-eastern States of India

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



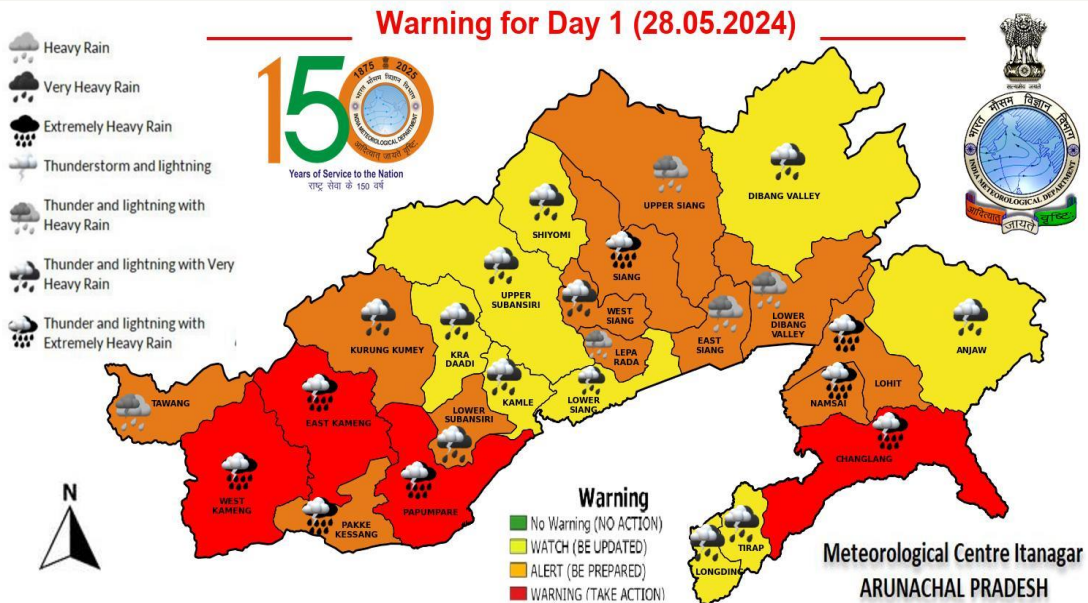
INTENSITY	RAINFALL (mm)
Heavy Rain	64.5 to 115.5
Very Heavy Rain	115.6 to 204.4
Extremely Heavy rain	>204.4

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



N

WARNING

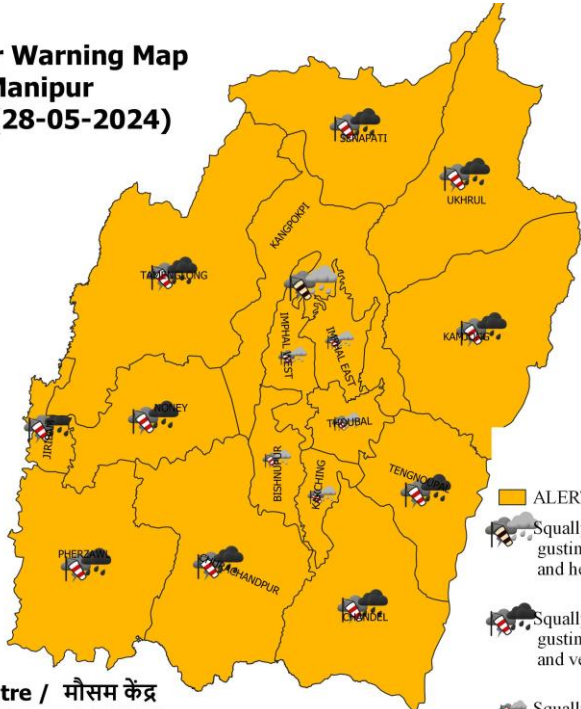
	No Warning (No Action)
	Watch (Be updated)
	Alert (Be prepared)
	Warning (action taken)

	ISOLATED HEAVY TO VERY HEAVY RAINFALL
	ISOLATED HEAVY RAINFALL
	THUNDERSTORM WITH LIGHTNING
	GUSTY WIND SPEED REACHING 30-45 KM/H

MANIPUR

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

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



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

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

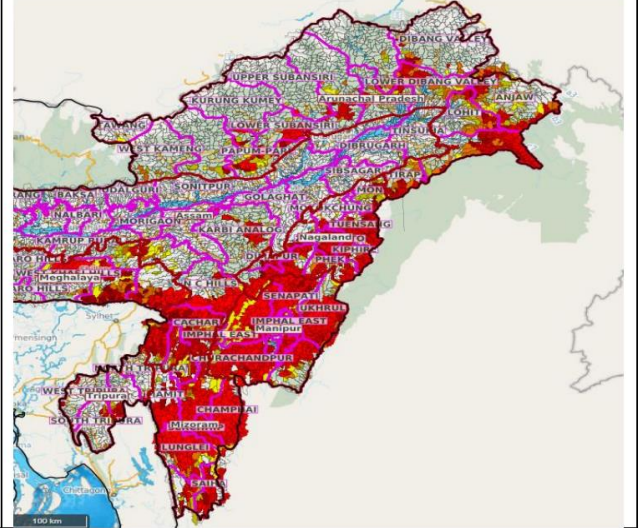
Flash Flood Guidance for Northeastern States

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.

Product: WRF FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2024-05-28 06:00 UTC | Valid Date: 2024-05-29 06:00 UTC



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)