



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE-6

Time of issue: 1430 hours IST

Dated: 28th May, 2024

Sub: Depression (Remnant of Cyclonic Storm “REMAL” over Bangladesh)

Yesterday's Cyclonic Storm over Coastal Bangladesh and adjoining Coastal West Bengal moved nearly northwards till afternoon (1430 hours IST) and gradually recurved northeastwards thereafter. It weakened into a deep depression during night (2030 hours IST of 27th May) over Central Bangladesh. Continuing to move further northeastwards, it weakened into a depression over Northeast Bangladesh in the early morning (0530 hours IST) of today, the 28th May, 2024. It further moved east-northeastwards 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:

(a) 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 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, 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

Contact: Cyclone Warning Division, Office of the Director General of Meteorology, India Meteorological Department, Ministry of Earth Sciences.

E-mail: cyclonewarningdivision@gmail.com, Website: rsmcnewdelhi.imd.gov.in

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

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 realized rainfall is presented in Annexure-I and the graphics are in Annexure - II

The system is under continuous surveillance. Next message will be sent at 1430 hrs IST of tomorrow, the 29th May, 2024.

Kindly visit www.rsmcnewdelhi.imd.gov.in and www.mausam.imd.gov.in for updates on the system.

Realized Rainfall at 0830 hours IST of 27th May, 2024:

Nalbari/pagladia (dist Nalbari) 5, Gangetic West Bengal:

Alipore (Kolkata) 15, Durgachack (East Midnapore) 14, Contai (East Midnapore) 13, Uluberia (Howrah) 13, Diamond Harbour (South 24 Parganas) 12, MO Saltlake (North 24 Parganas) 10, Canning (South 24 Parganas) 10, Dum Dum (North 24 Parganas) 9, Amfu Kakdwip (South 24 Parganas) 9, Kalyani SMO (Nadia) 9, Barrackpur(Iaf) (North 24 Parganas) 8, Basirhat(pt) (North 24 Parganas) 8, Bagati (Hooghly) 7, Digha (East Midnapore) 7

Sub-Himalayan West Bengal & Sikkim:

Barobhisha (Jalpaiguri) 7, Champasari (Darjeeling) 7

Nagaland, Manipur, Mizoram & Tripura:

Mizoram University (Aizawal) 8, Kolasib Agri (Kolasib) 8, Kolasib_AWS (Kolasib) 8, Aizwal (Aizawl) 8, Ukhrul (Ukhrul) 7, Chandel_AWS (Chandel) 7

Arunachal Pradesh:

Hollongi (Papumpara) 7

Realized Rainfall at 0830 hours IST of 28th May, 2024:

Meghalaya:

Sohra RKM (East Khasi Hills) 59, Mawphlang (East Khasi Hills) 39, Sohra (East Khasi Hills) 39, Jowai AWS (dist West Jaintia Hills) 27, Shillong (East Khasi Hills) 24, Shillong AWS (East Khasi Hills) 24, Mawkyrwat ARG (South West Khasi Hills) 23, Williamnagar (East Garo Hills) 23, Mawkyrwat (South West Khasi Hills) 22, MEECL (East Khasi Hills) 20, Secretariat_Hills ARG (East Khasi Hills) 19, Khliehriat (East Jaintia Hills) 18, Umiam AWS (Ribhoi) 18, Barapani (Ribhoi) 17, Umiam ARG (Ribhoi) 10;

Nagaland, Manipur, Mizoram & Tripura:

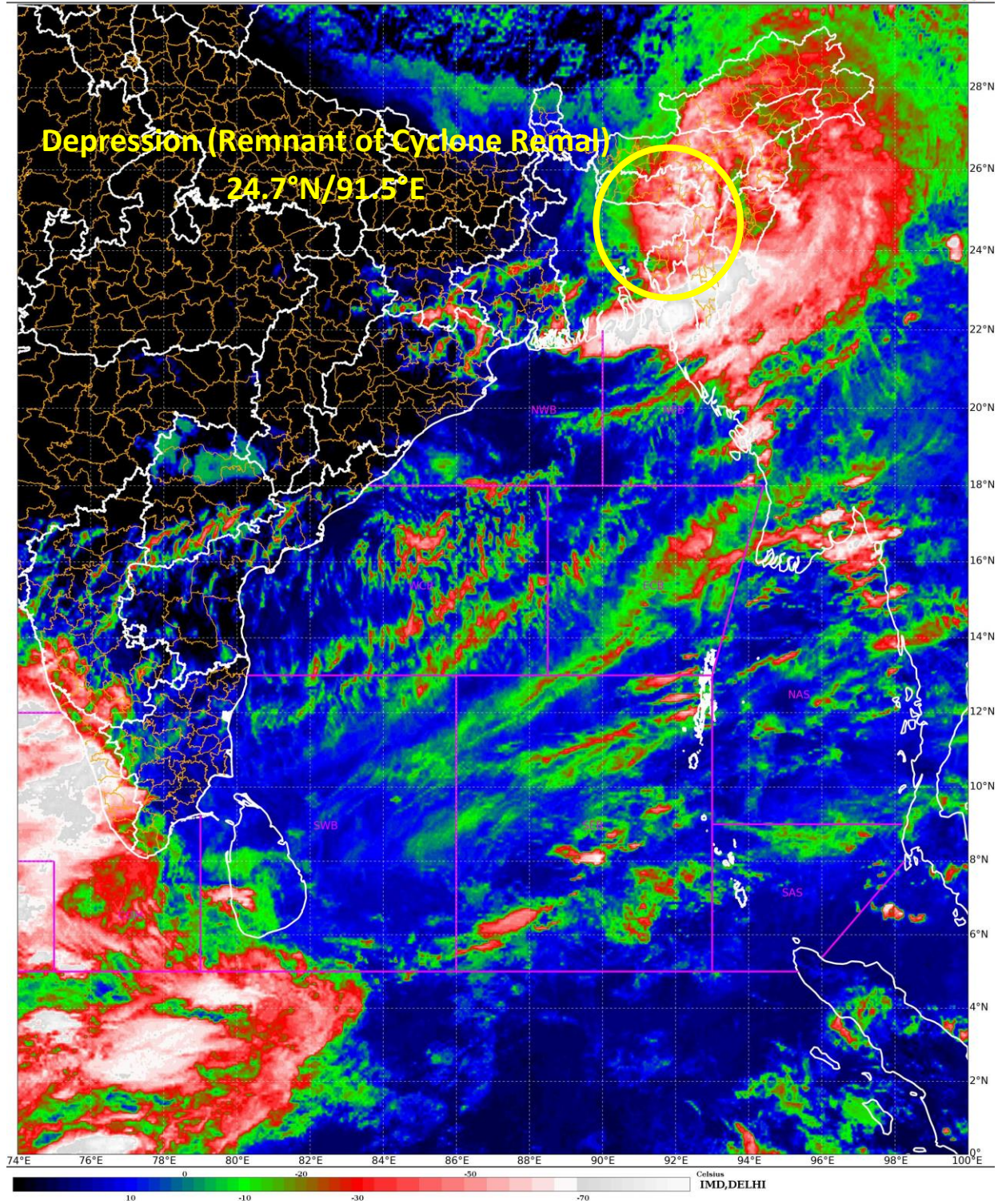
Mizoram University (Aizawl) 20; Saitul (Saitul) 8; Kolasib (Kolasib) 9; Lunglei (Lunglei) 8; Mamit (Mamit) 9; Saiha (Saiha) 7;

Arunachal Pradesh:

Nari AWS (Lower Siang) 13; Basar AWS (Leparada) 8; Huri AWS (Kurung Kumey) 7;

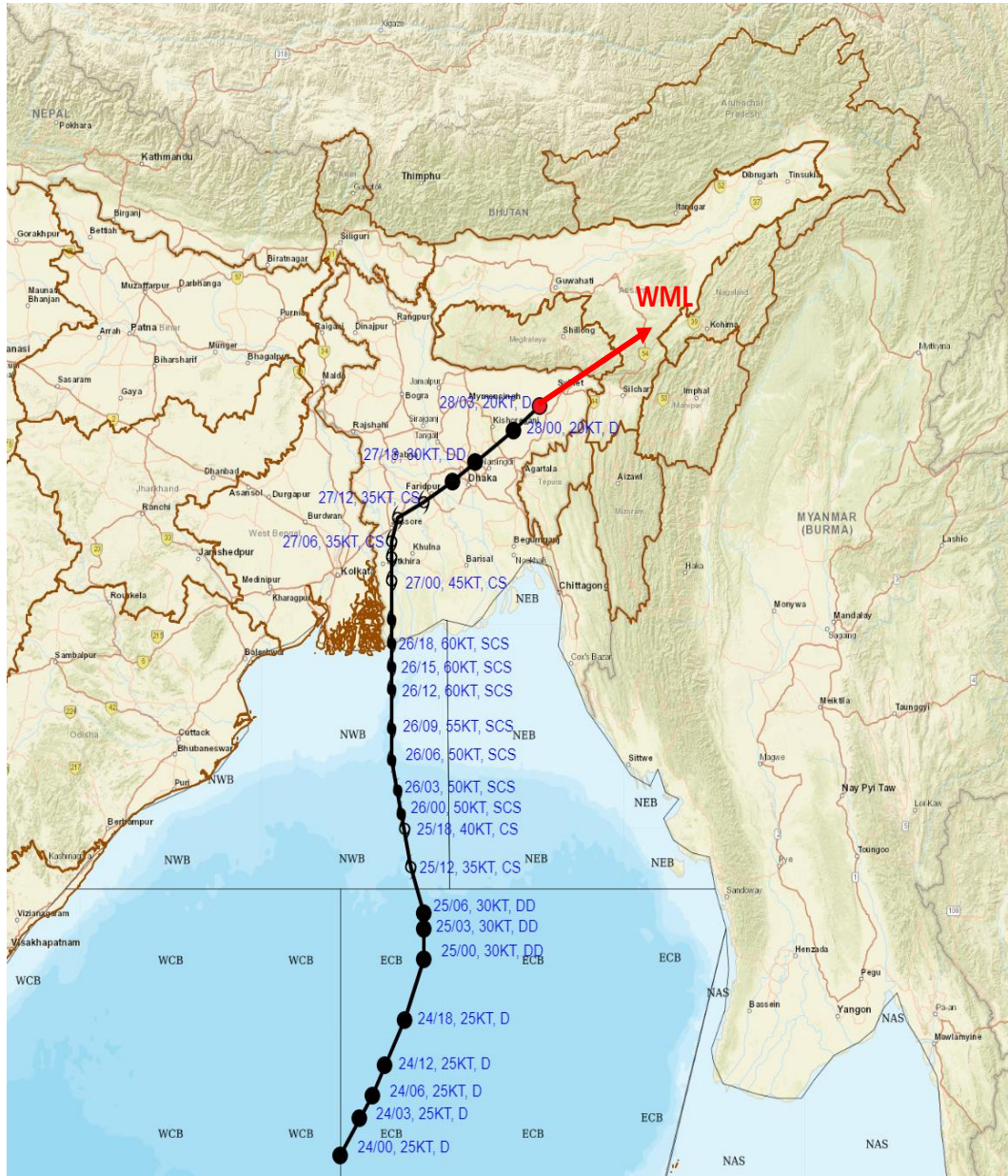
SAT : INSAT-3D IMG
IMG_TIR1_TEMP 10.8 um
LIC Mercator

28-05-2024/(0600 to 0626) GMT
28-05-2024/(1130 to 1156) IST





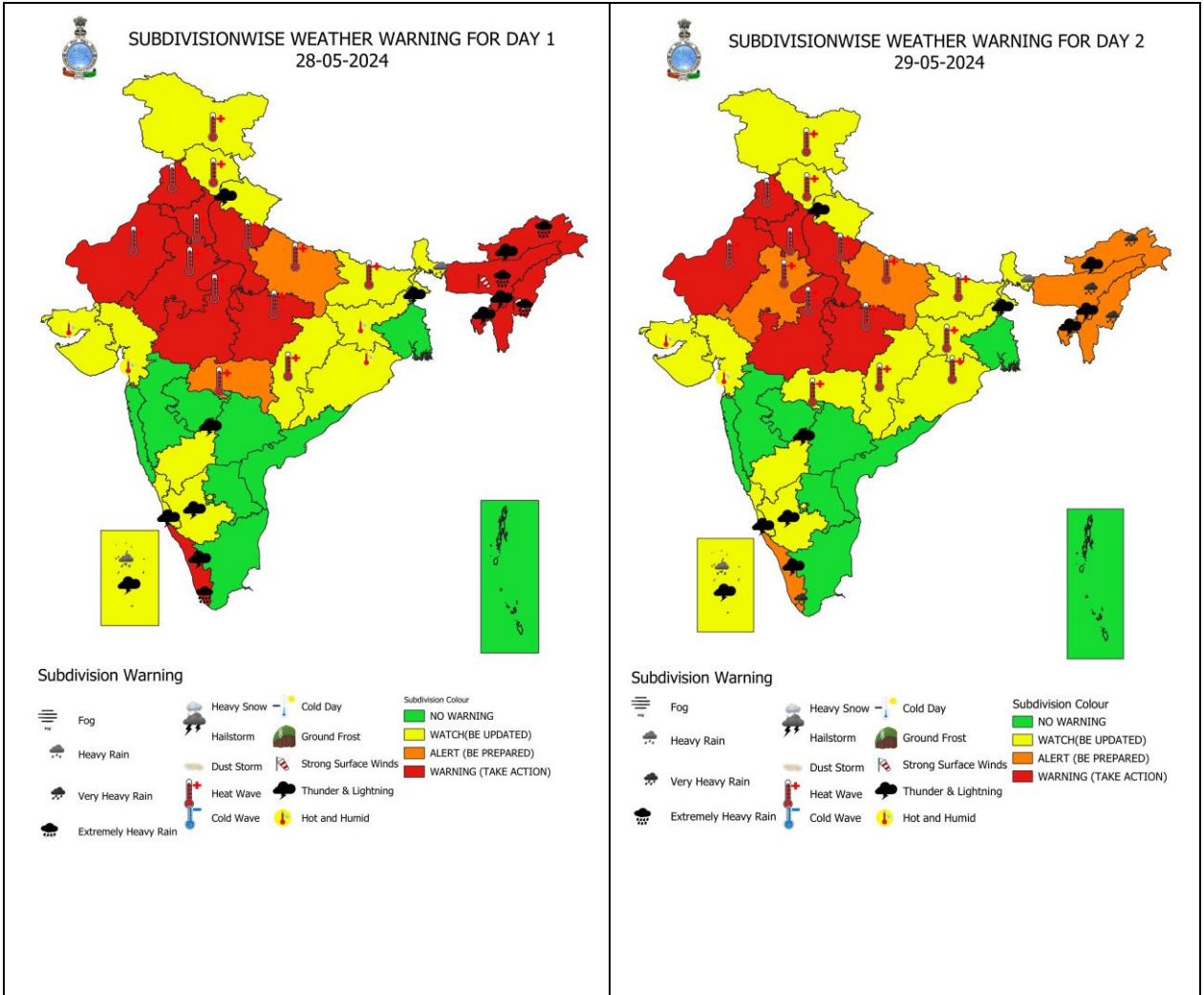
FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY IN ASSOCIATION WITH DEPRESSION (REMANANT OF CYCLONIC STORM 'REMAL') OVER EAST BANGLADESH BASED ON 0300 UTC (0830 IST) OF 28TH MAY 2024.



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 (≥ 120 KT)

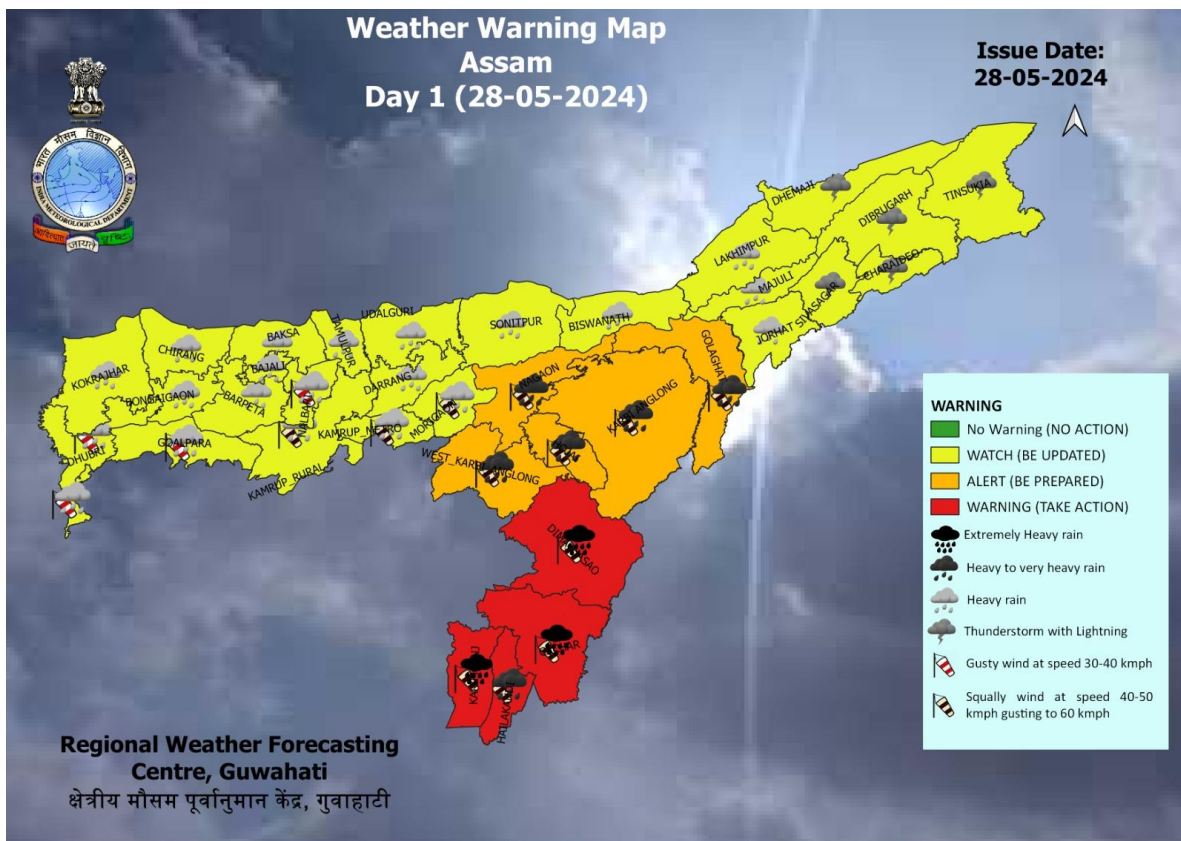
- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

All India Warning Graphics

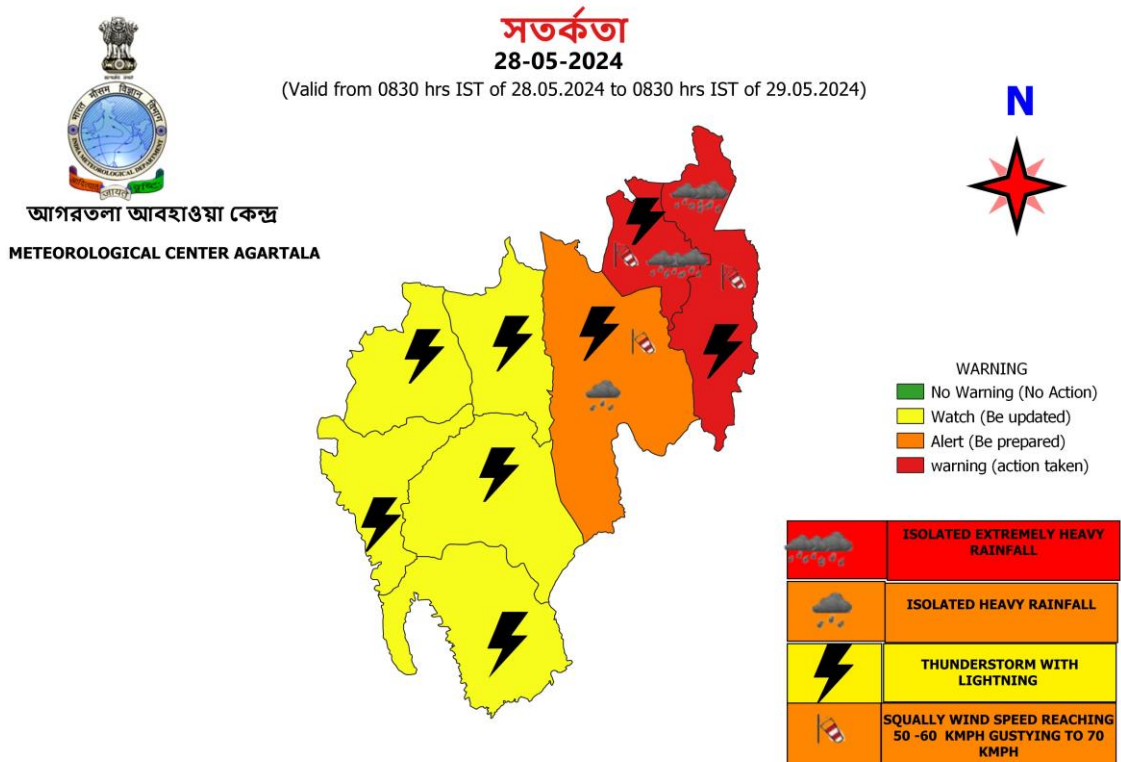


Warning Graphics of North-eastern States of India

Assam



TRIPURA



MEGHALAYA

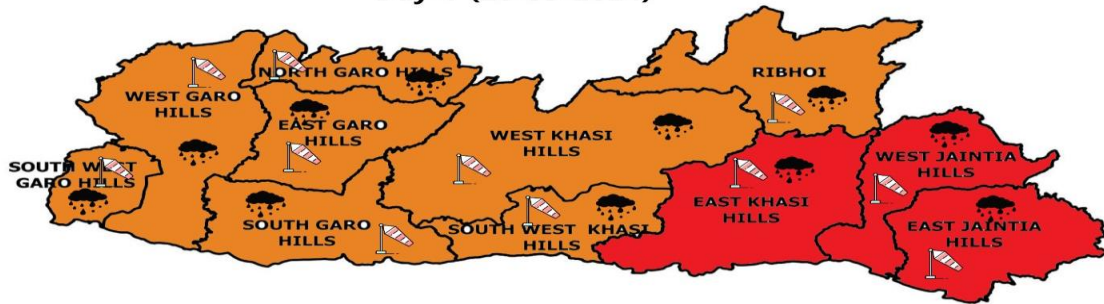


भारत सरकार/ Government of India
 पृथ्वी विज्ञान मंत्रालय/ Ministry of Earth Sciences
 भारत मौसम विज्ञान विभाग/ India Meteorological Department
 मौसम विज्ञान केन्द्र/ Meteorological Centre
 शिलांग, मेघालय - ७९३००५/ Shillong, Meghalaya-793005



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

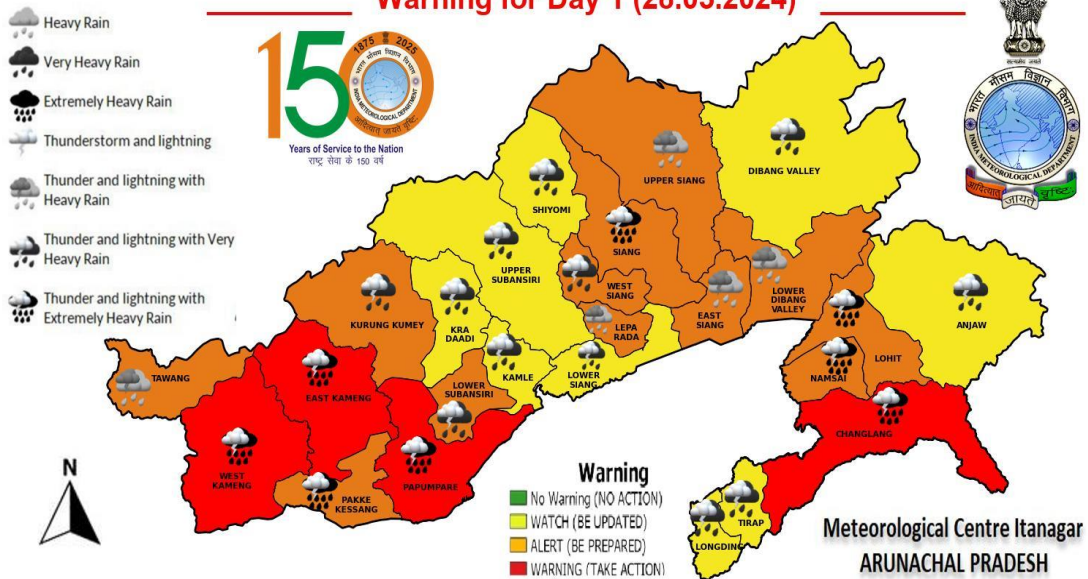
WARNING
WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

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

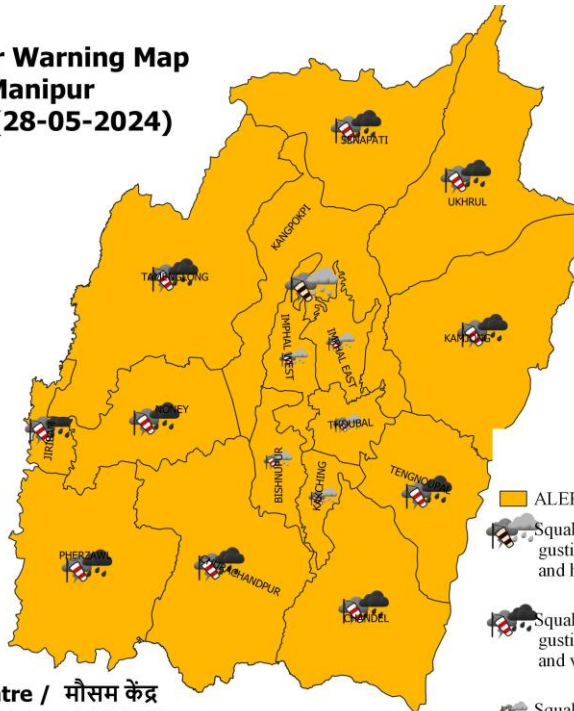
MIZORAM
Valid for 28th May, 2024



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

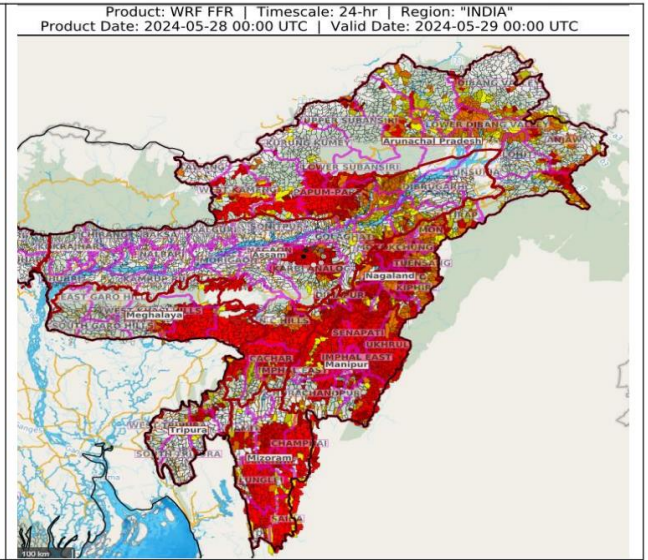
**Meteorological Centre / मौसम केंद्र
 Imphal – 795140 / इम्फाल- 795140**

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)