



**REGIONAL SPECIALISED METEOROLOGICAL CENTRE-TROPICAL CYCLONES, NEW DELHI
SPECIAL TROPICAL WEATHER OUTLOOK**

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 28.05.2024

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR NEXT 24 HOURS ISSUED AT 1500 UTC OF 28.05.2024 BASED ON 1200 UTC OF 28.05.2024.

BAY OF BENGAL:

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.

THE LATEST SATELLITE IMAGERY INDICATES THAT THE VORTEX LIES OVER EAST MEGHALAYA AND ADJOINING ASSAM. ASSOCIATED SCATTERED TO BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER EAST ASSAM, MANIPUR, NAGALAND, MIZORAM, NAGALAND, MANIPUR, TRIPURA, REST NORTHEAST STATES (CLOUD TOP TEMPERATURE IS -65 TO -70 DEG CEL).

AS PER LATEST OBSERVATIONS, ESTIMATED CENTRAL PRESSURE IS 994 HPA AND PRESSURE OF OUTERMOST CLOSED ISOBAR IS 996 HPA AT 1200 UTC OF 28TH MAY. ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 15 KNOTS GUSTING TO 25 KNOTS.

ARABIAN SEA:

SCATTERED TO BROKEN LOW TO MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER SOUTH PARTS OF CENTRAL ARABIAN SEA, SOUTH ARABIAN SEA, LAKSHADEEP ISLAND AREA AND MALDIVES AREA (MINIMUM CTT -93 DEG CELSIUS). SCATTERED TO BROKEN LOW TO MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER COMORIN AREA.

***PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:**

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
NIL	NIL	NIL	NIL	NIL	NIL	NIL

***NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY**

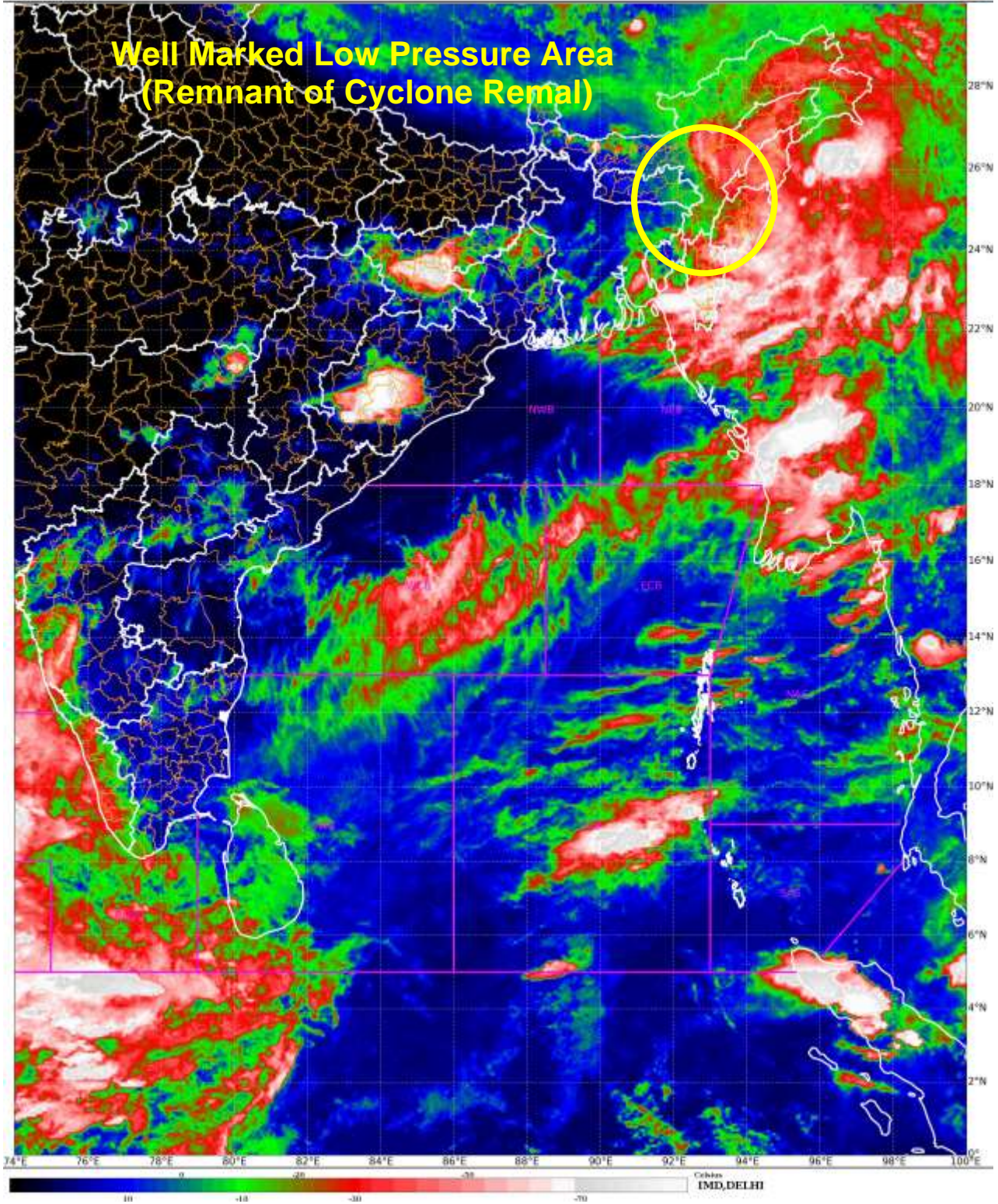
REMARKS:

LOW LEVEL VORTICITY HAS REDUCED SIGNIFICANTLY ABOUT 50-60 $\times 10^{-5} \text{S}^{-1}$ OVER MEGHALAYA, WITH VERTICAL EXTENSION UPTO 500 HPA LEVEL. LOW LEVEL CONVERGENCE IS ABOUT 20-30 $\times 10^{-5} \text{S}^{-1}$ OVER ASSAM (TO THE SOUTHEAST OF SYSTEM CENTRE). UPPER-LEVEL DIVERGENCE IS ABOUT 05-10 $\times 10^{-5} \text{S}^{-1}$ OVER THE SAME REGION. VERTICAL WIND SHEAR (VWS) IS MODERATE TO HIGH ALONG THE FORECAST TRACK.

IN VIEW OF ALL THE ABOVE, THE WELL MARKED LOW PRESSURE AREA OVER NORTHEAST ASSAM & NEIGHBOURHOOD IS LIKELY TO MOVE NORTHEASTWARDS AND WEAKEN FURTHER DURING NEXT 12 HOURS.

THIS IS THE LAST UPDATE IN ASSOCIATION WITH THIS SYSTEM. HOWEVER, REGULAR TROPICAL WEATHER OUTLOOK WILL BE ISSUED TOMORROW BASED ON 0300 UTC OBSERVATIONS OF TOMORROW, THE 29TH MAY, 2024.

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Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature (CTT) >-25°C, (b) Moderate: CTT: - 25°C to -40°C, (c) Intense: CTT: - 41°C to -70°C and (d) Very Intense: : Less than -70°C
PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION):NIL: 0%, LOW: 1-33%, , MODERATE: 34-66% AND HIGH: 67-100%
This is a guidance Bulletin for WMO/ESCAP Panel Member countries. Visit respective National websites for Country specific Bulletins



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

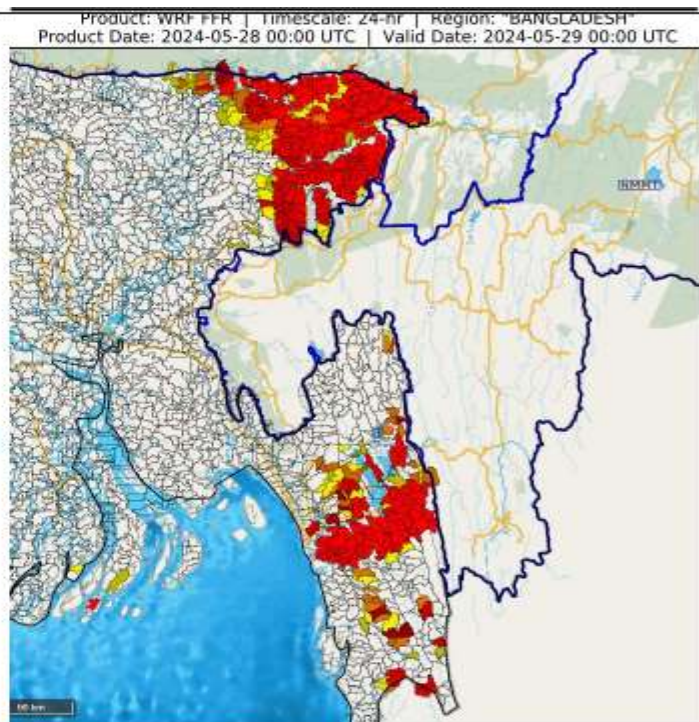
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Flash Flood Guidance for Bangladesh

24 hours Flash Flood Risk Outlook till 0000 UTC of 29.05.2024:

Low to Moderate flash flood risk likely to occur in north eastern and south eastern parts of **Bangladesh** for 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.



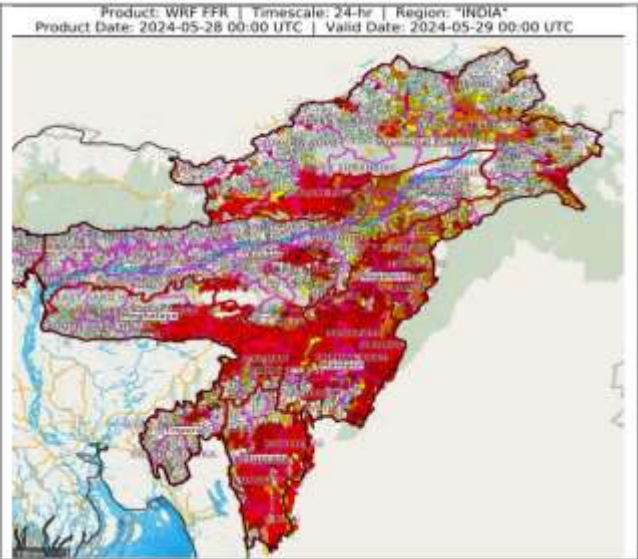
Flash Flood Threat	Flash Flood Risk
■ High Threat (Take Action)	■ High Risk (Take Action)
■ Moderate threat (Be Prepared)	■ Moderate Risk (Be Prepared)
■ Low Threat (Be Updated)	■ Low Risk (Be Updated)

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)