



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 25.10.2023

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR NEXT 168 HOURS ISSUED AT 0900 UTC OF 25.10.2023 BASED ON 0600 UTC OF 25.10.2023.

SUB: DEEP DEPRESSION [REMNANT OF THE CYCLONIC STORM “HAMOON” (PRONOUNCED AS HAMOON)] OVER SOUTHEAST BANGLADESH & ADJOINING MIZORAM WEAKENED INTO A DEPRESSION OVER MIZORAM

THE DEEP DEPRESSION [REMNANT OF THE CYCLONIC STORM “HAMOON”] OVER SOUTHEAST BANGLADESH & ADJOINING MIZORAM MOVED NEARLY NORTH-NORTHEASTWARDS WITH A SPEED OF 10 KMPH DURING PAST 6 HOURS, **WEAKENED INTO A DEPRESSION** AND LAY CENTERED AT 0600 UTC OF 25TH OCTOBER OVER MIZORAM NEAR LATITUDE 22.7°N AND LONGITUDE 92.7°E, ABOUT 110 KM SOUTH OF AIZAWL (MIZORAM).

IT IS VERY LIKELY TO CONTINUE TO MOVE NORTH-NORTHEASTWARDS AND WEAKEN FURTHER INTO A WELL MARKED LOW PRESSURE AREA DURING NEXT 06 HOURS.

AS PER INSAT 3D IMAGERY, ASSOCIATED BROKEN LOW TO MEDIUM CLOUDS WITH EMBEDDED WEAK TO MODERATE CONVECTION LIES OVER EAST BANGLADESH, NORTHEAST STATES OF INDIA AND NORTH MYANMAR.

ASSOCIATED MAXIMUM SUSTAINED WIND SPEED IS 25 KNOTS GUSTING TO 35 KNOTS. THE ESTIMATED CENTRAL PRESSURE IS 1008HPA.

(II) WIND WARNING (WARNING GRAPHICS ENCLOSED):

- **NORTHEAST BAY OF BENGAL:**
SQUALLY WIND SPEED REACHING 40-50 KMPH GUSTING TO 60 KMPH IS PREVAILING AND IS LIKELY TO DECREASE GRADUALLY BECOMING 25-35 KMPH GUSTING TO 45 KMPH BY 1200 UTC OF 25TH AND WOULD DECREASE THEREAFTER.
- **ALONG & OFF BANGLADESH AND NORTH MYANMAR COASTS:**
SQUALLY WIND SPEED REACHING 40-50 KMPH GUSTING TO 60 KMPH IS PREVAILING ALONG & OFF BANGLADESH AND ADJOINING NORTH MYANMAR COAST AND LIKELY TO DECREASE GRADUALLY BECOME 25-35 KMPH GUSTING TO 45 KMPH BY 1200 UTC OF 25TH AND WOULD DECREASE FURTHER THEREAFTER.

- **MIZORAM, TRIPURA AND MANIPUR:**
SQUALLY WIND SPEED REACHING 40-50 KMPH GUSTING TO 60 KMPH IS LIKELY TO PREVAIL OVER MIZORAM AND TRIPURA TILL 1200 UTC OF 25TH AND LIKELY TO DECREASE BECOMING 25-35 KMPH GUSTING TO 45 KMPH THEREAFTER FOR SUBSEQUENT 12 HOURS. STRONG WIND SPEED REACHING 25-35 KMPH GUSTING TO 45 KMPH OVER MANIPUR ON 25TH OCTOBER.

(III) SEA CONDITION

NORTHEAST BAY OF BENGAL AND ALONG & OFF BANGLADESH & ADJOINING NORTH MYANMAR COASTS:

VERY ROUGH TO ROUGH SEA CONDITION WOULD PREVAIL DURING NEXT 06 HOURS AND WOULD IMPROVE THEREAFTER.

(IV) FISHERMEN WARNING (GRAPHICS ATTACHED):

FISHERMEN ARE ADVISED NOT TO VENTURE INTO NORTHEAST BAY OF BENGAL AND ALONG & OFF BANGLADESH & NORTH MYANMAR COASTS TILL 1200 UTC OF 25TH OCTOBER.

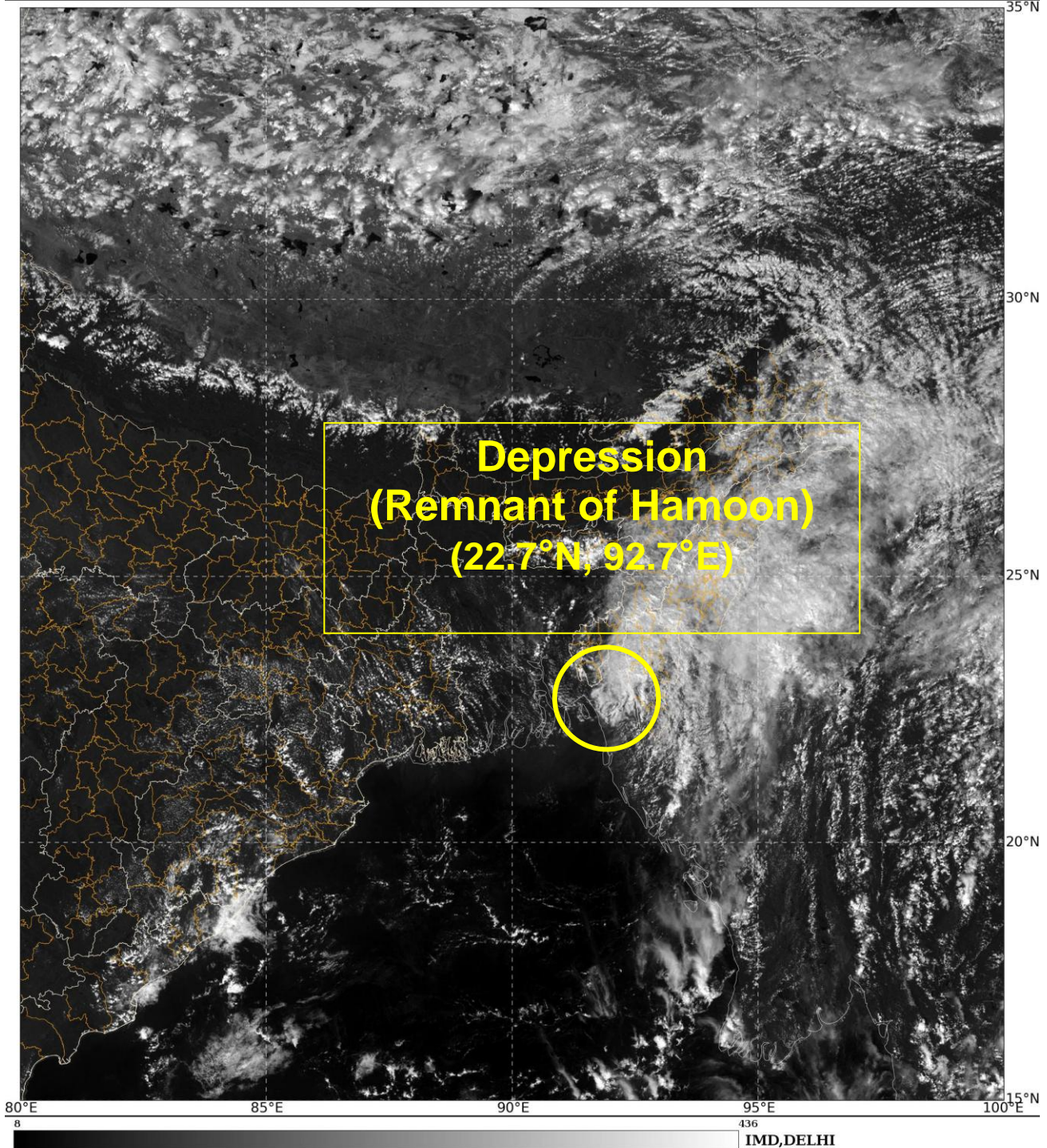
REMARKS:

BAY OF BENGAL:

THE LOW LEVEL POSITIVE VORTICITY HAS FURTHER DECREASED IN PAST 03 HOURS AND IS AROUND $15-20 \times 10^{-6} S^{-1}$ TO THE SOUTH OF SYSTEM CENTER. THE LOW LEVEL CONVERGENCE IS SAME AND IS ABOUT $10 \times 10^{-5} S^{-1}$ TO THE SOUTHEAST OF SYSTEM CENTRE. UPPER LEVEL DIVERGENCE IS SAME AND IS ABOUT $10 \times 10^{-5} S^{-1}$ TO THE NORTHEAST OF SYSTEM CENTRE AND ALONG THE FORECAST TRACK OF SYSTEM. THE SYSTEM IS MOVING INTO A ZONE OF HIGH (> 40 KNOTS) WIND SHEAR.

IN VIEW OF THE ABOVE, THE DEPRESSION OVER MIZORAM IS VERY LIKELY TO MOVE NORTH-NORTHEASTWARDS AND WEAKEN FURTHER INTO A WELL MARKED LOW PRESSURE AREA DURING NEXT 06 HOURS.

(M SHARMA)
SCIENTIST-D
RSMC NEW DELHI





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION (REMNANT OF CYCLONIC STORM HAMOON) OVER MIZORAM BASED ON 0600 UTC (1130 IST) OF 25TH OCTOBER 2023.



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

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%
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Fishermen warning graphics

