



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

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**DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 21.05.2022**

**SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0300 UTC OF 21.05.2022 BASED ON 0000 UTC OF 21.05.2022.**

**SUB: WELL MARKED LOW PRESSURE AREA OVER NORTHWEST THAILAND AND ADJOINING MYANMAR**

THE DEPRESSION OVER SOUTH COSTAL MYANMAR AND ADJOINING NORTHWEST THAILAND MOVED NORTH-NORTHEASTWARDS DURING PAST 06 HOURS, WEAKENED INTO A WELL MARKED LOW PRESSURE AREA AND LAY OVER NORTHWEST THAILAND AND ADJOINING MYANMAR AT 0000 UTC OF TODAY, THE 21<sup>ST</sup> MAY, 2022.

ASSOCIATED BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER SOUTH MYANMAR, GULF OF MARTABAN, NORTH ANDAMAN SEA & ADJOINING EASTCENTRAL BAY OF BENGAL AND ARAKAN COAST. MINIMUM CLOUD TOP TEMPERATURE IS MINUS 93<sup>0</sup>C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 15 KNOTS GUSTING TO 25 KNOTS. THE SEA CONDITION IS ROUGH OVER GULF OF MARTABAN, ADJOINING NORTH ANDAMAN SEA AND ALONG & OFF SOUTH MYANMAR COAST. THE ESTIMATED CENTRAL PRESSURE HAS INCREASED FURTHER AND NOW IS 1001 HPA.

**REMARKS:**

LOW LEVEL VORTICITY IS AROUND  $100 \times 10^{-6} \text{ S}^{-1}$  NEAR THE SYSTEM CENTRE. VERTICALLY IT IS EXTENDING UPTO 200 HPA LEVEL. LOW LEVEL CONVERGENCE IS ABOUT  $20 \times 10^{-5} \text{ S}^{-1}$  OVER THE SYSTEM AND UPPER LEVEL DIVERGENCE IS AROUND  $30 \times 10^{-5} \text{ S}^{-1}$  TO THE WEST OF THE SYSTEM. WIND SHEAR IS MODERATE (10-20 KNOTS) AROUND THE SYSTEM AREA.

AS THE SYSTEM IS EMBEDDED IN THE SOUTHWESTERLY MONSOON WIND, IT IS VERY LIKELY TO MOVE NORTHEASTWARDS AND WEAKEN FURTHER GRADUALLY DURING NEXT 12 HOURS.

(KRISHNA MISHRA)  
SCIENTIST-C  
RSMC NEW DELHI

SAT : INSAT-3D IMG

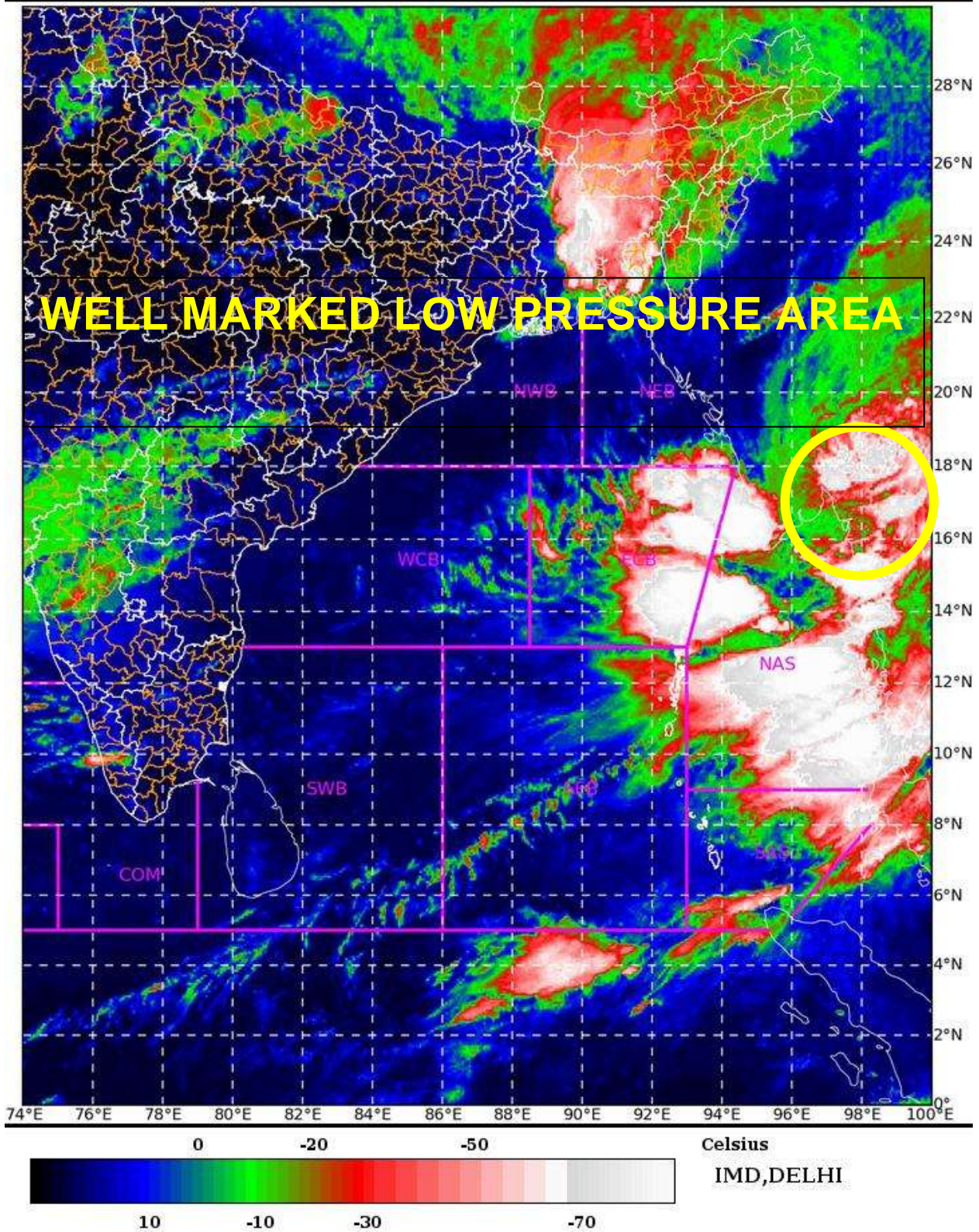
21-05-2022/(0130 to 0156) GMT

IMG\_TIR1\_TEMP 10.8 um

21-05-2022/(0700 to 0726) IST

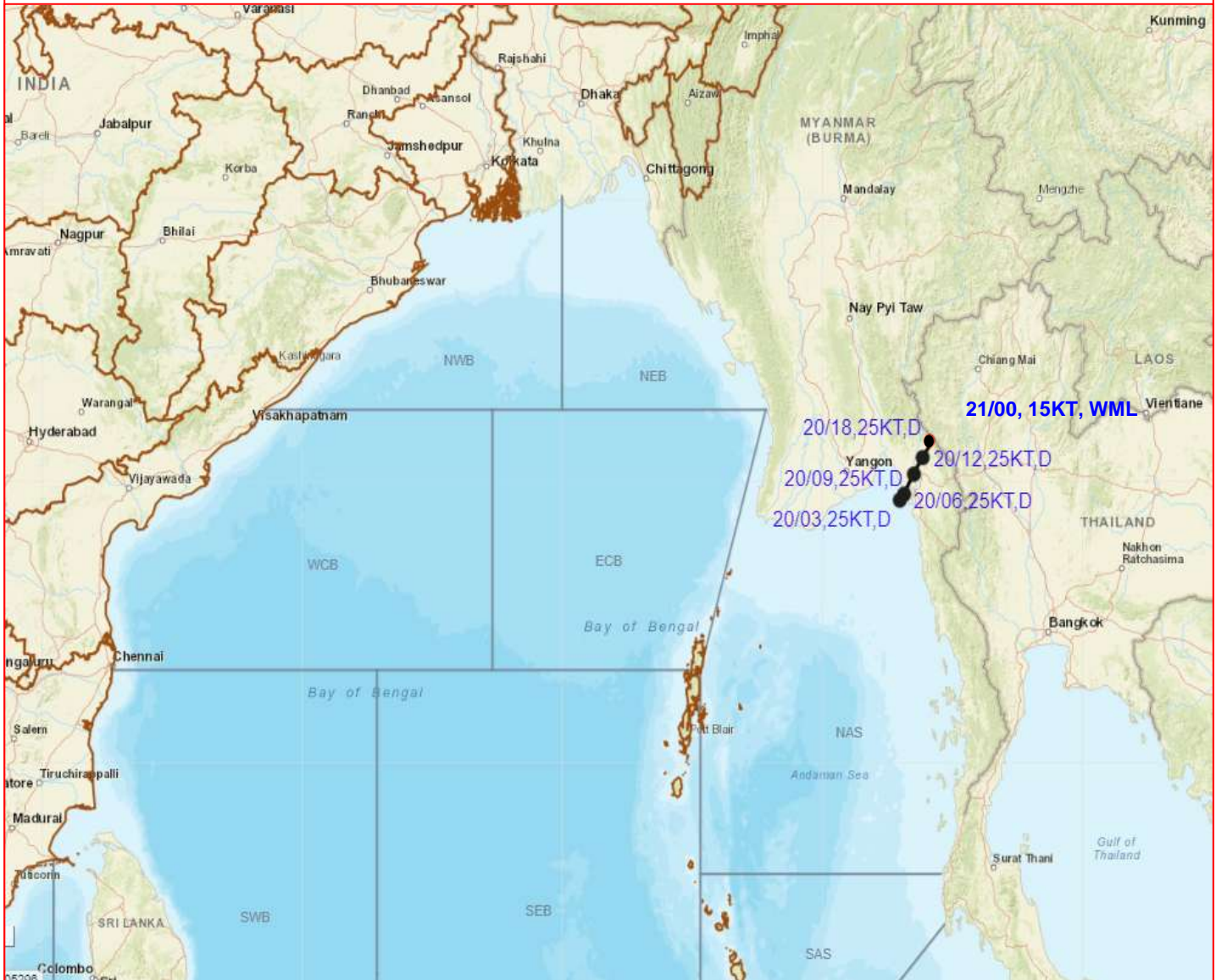


L1C Mercator





# OBSERVED TRACK OF DEPRESSION OVER GULF OF MARTABAN AND ADJOINING MYANMAR FROM 20<sup>TH</sup> MAY (0300 UTC) TO 20<sup>TH</sup> MAY (1800 UTC) 2022



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

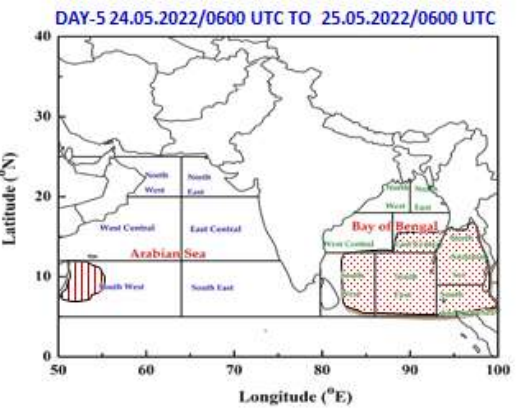
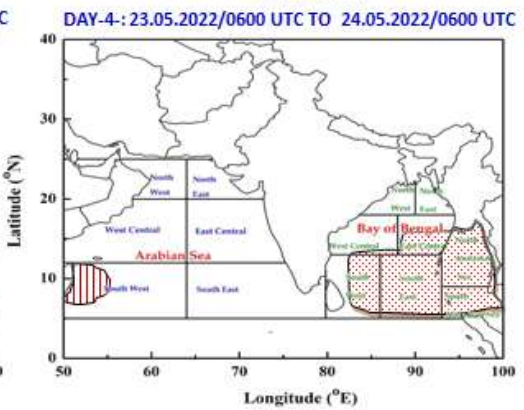
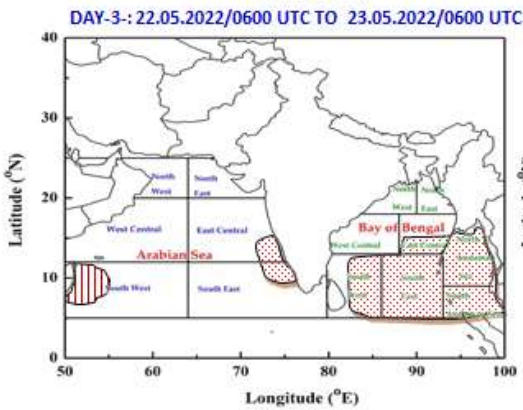
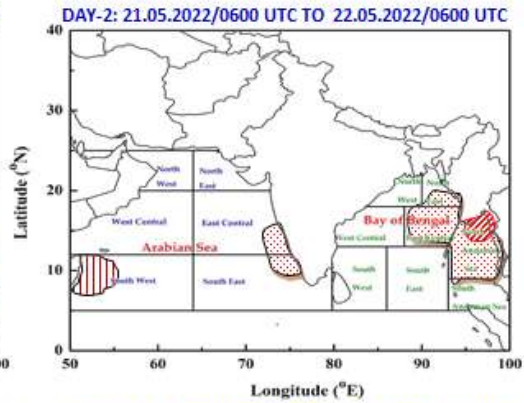
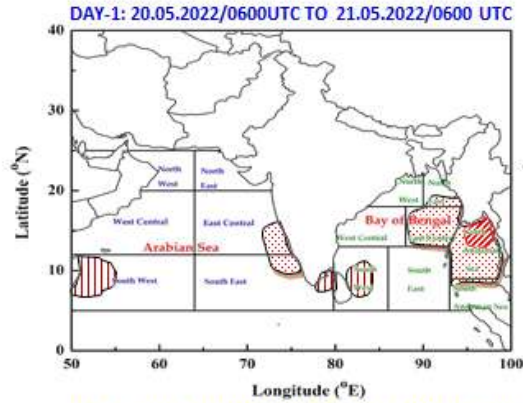
○  $\geq$  48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

**INDIA METEOROLOGICAL DEPARTMENT**  
**FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**



**AREA UNDER FISHERMEN WARNING**

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 40-50 KMPH GUSTING TO 60 KMPH (STRONG WIND)
- 50-60 KMPH GUSTING TO 70 KMPH