



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

DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 20.05.2022

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 2000 UTC OF 20.05.2022 BASED ON 1800 UTC OF 20.05.2022.

SUB: DEPRESSION OVER SOUTH COASTAL MYANMAR AND ADJOINING NORTHWEST THAILAND

THE DEPRESSION OVER SOUTH COSTAL MYANMAR AND ADJOINING NORTHWEST THAILAND MOVED NORTH-NORTHEASTWARDS WITH A SPEED OF 07 KMPH DURING LAST 06 HOURS AND LAY CENTERED AT 1800 UTC OF TODAY, THE 20TH MAY, 2022 OVER SOUTH COSTAL MYANMAR AND ADJOINING NORTHWEST THAILAND NEAR LATITUDE 17.4°N AND LONGITUDE 98.0°E, ABOUT 110 KM NORTH-NORTHEAST OF MAWLAMYINE (48103), 200 KM EAST-NORTHEAST OF YANGON (48097) AND 130 KM WEST-SOUTHWEST OF THOEN (48324).

IT IS VERY LIKELY TO MOVE FURTHER NORTH-NORTHEASTWARDS AND WEAKEN GRADUALLY INTO A WELL MARKED LOW PRESSURE AREA OVER NORTHWEST THAILAND AND ADJOINING MYANMAR DURING NEXT 06 HOURS.

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 93⁰C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 20 KNOTS GUSTING TO 30 KNOTS. THE SEA CONDITION IS ROUGH TO VERY ROUGH OVER GULF OF MARTABAN, ADJOINING NORTH ANDAMAN SEA AND ALONG & OFF SOUTH MYANMAR COAST. THE ESTIMATED CENTRAL PRESSURE IS 998 HPA.

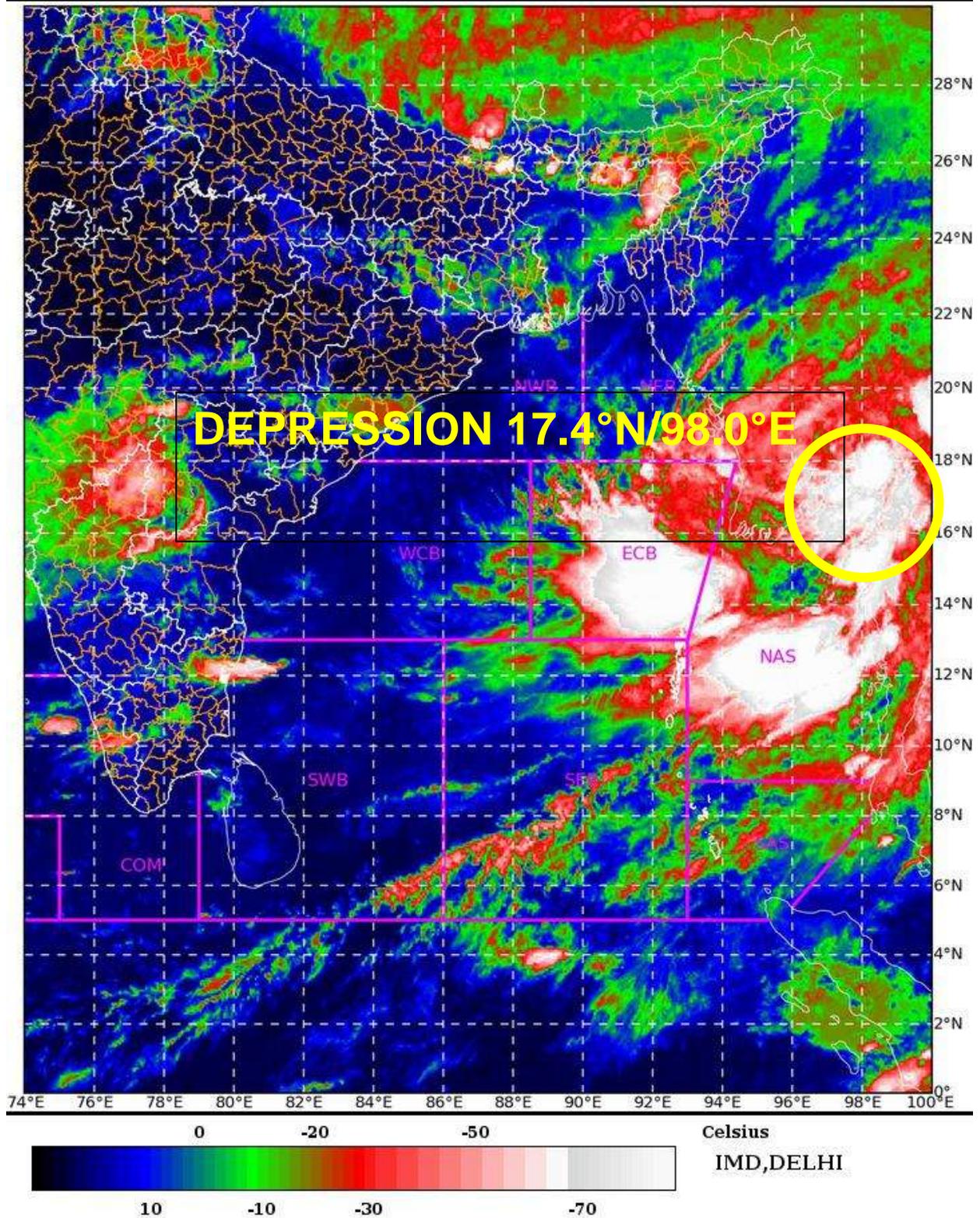
REMARKS:

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 $10 \times 10^{-5} \text{ S}^{-1}$ AND UPPER LEVEL DIVERGENCE IS AROUND $30 \times 10^{-5} \text{ S}^{-1}$ TO THE SOUTHWEST OF SYSTEM CENTRE. WIND SHEAR HAS INCREASED AND BECOME MODERATE TO HIGH (15-25 KNOTS) AROUND THE SYSTEM AREA AND ALSO ALONG THE FORECAST TRACK.

AS THE SYSTEM IS EMBEDDED IN THE SOUTHWESTERLY MONSOON WIND, IT IS VERY LIKELY TO MOVE NORTHEASTWARDS AND WEAKEN GRADUALLY DURING NEXT 06 HOURS.

(KRISHNA MISHRA)
SCIENTIST-C
RSMC NEW DELHI

SAT : INSAT-3D IMG 20-05-2022/(1800 to 1826) GMT
IMG_TIR1_TEMP 10.8 um 20-05-2022/(2330 to 2356) IST
L1C Mercator





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTH COASTAL MYANMAR AND ADJOINING NORTHWEST THAILAND BASED ON 1800 UTC OF 20th MAY 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

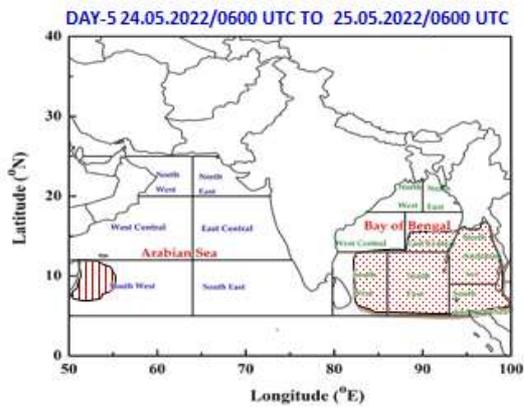
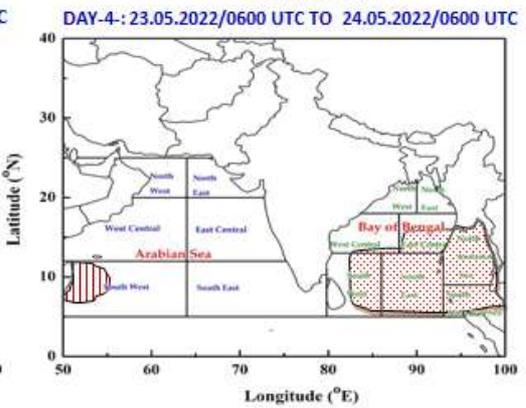
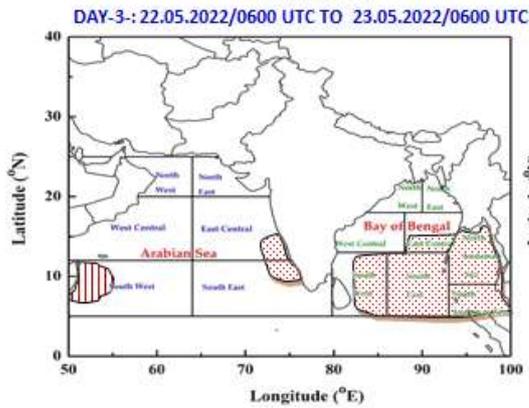
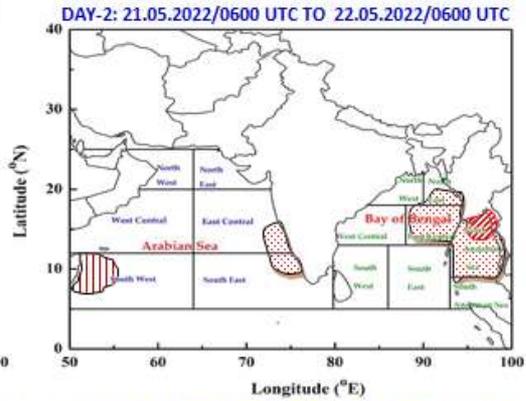
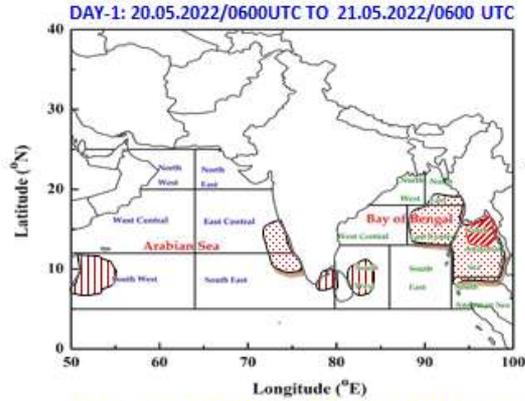
○ \geq 48 KT

— 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