



**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 1100 UTC OF 20.05.2022 BASED ON 0900 UTC OF 20.05.2022.**

**SUB: DEPRESSION CROSSED SOUTH MYANMAR COAST**

THE DEPRESSION OVER GULF OF MARTABAN MOVED NORTH-NORTHEASTWARDS WITH A SPEED OF 12 KMPH DURING LAST 06 HOURS, CROSSED SOUTH MYANMAR COAST CLOSE TO MAWLAMYINE (48103) NEAR LATITUDE 16.53°N AND LONGITUDE 97.46°E BETWEEN 0800 & 0900 UTC AND LAY CENTERED AT 0900 UTC OF TODAY, THE 20<sup>TH</sup> MAY, 2022 OVER SOUTH COASTAL MYANMAR NEAR LATITUDE 16.8°N AND LONGITUDE 97.6°E, ABOUT 30 KM NORTH OF MAWLAMYINE (MYANMAR), 150 KM EAST OF YANGON (MYANMAR) AND 780 KM NORTHEAST OF PORT BLAIR (ANDAMAN ISLANDS).

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 24 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 93<sup>0</sup>C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 25 KNOTS GUSTING TO 35 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 996 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 HAS DECREASED AND IS AROUND  $10-15 \times 10^{-5} \text{ S}^{-1}$  AROUND SYSTEM CENTRE AND UPPER LEVEL DIVERGENCE IS AROUND  $30 \times 10^{-5} \text{ S}^{-1}$  TO THE SOUTHWEST OF SYSTEM CENTRE. WIND SHEAR IS MODERATE (15-20 KNOTS) AROUND THE SYSTEM AREA AND ALSO ALONG THE FORECAST TRACK OVER MYANMAR.

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

(M. SHARMA)  
SCIENTIST-D  
RSMC NEW DELHI

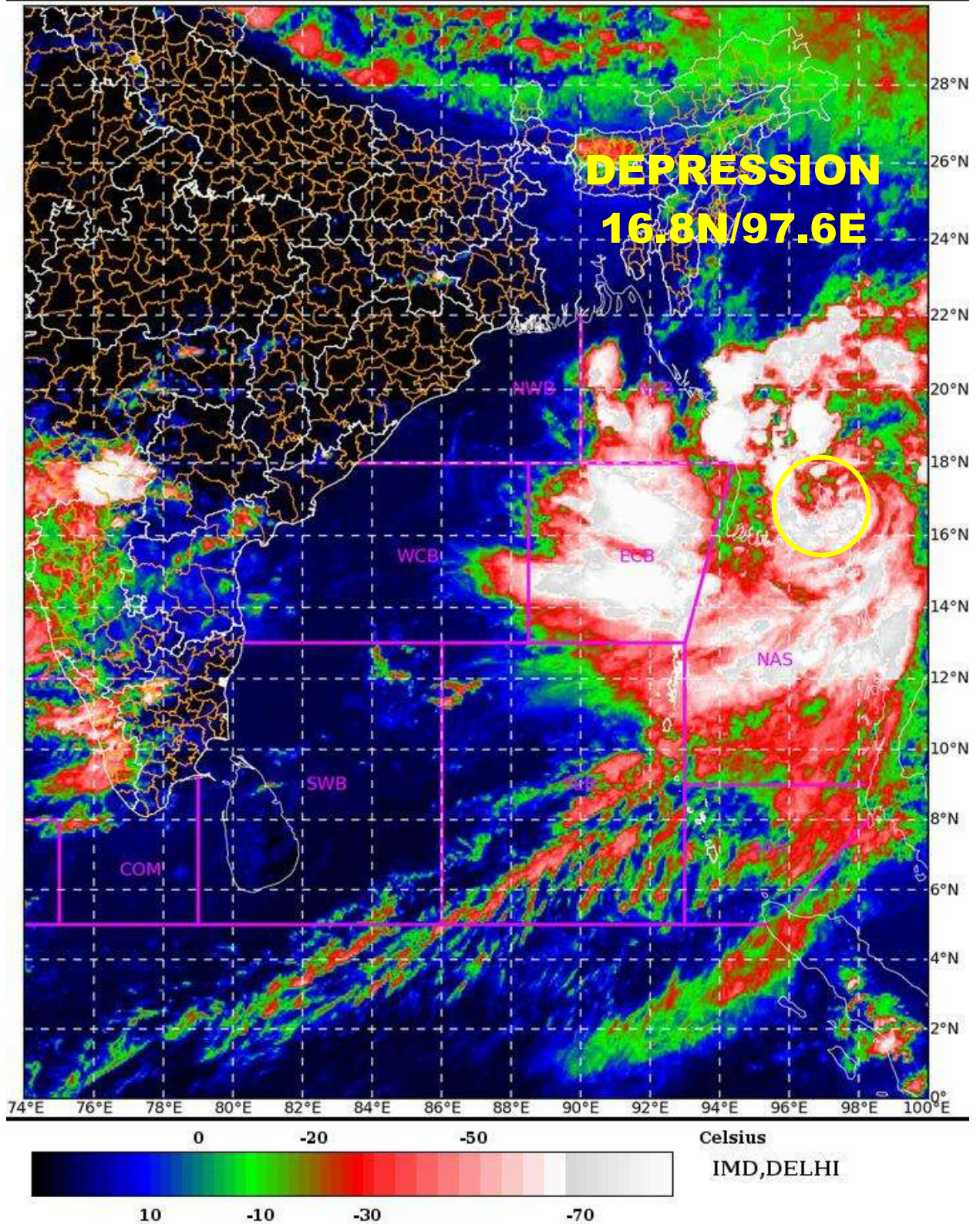
SAT : INSAT-3D IMG

20-05-2022/(1000 to 1026) GMT

IMG\_TIR1\_TEMP 10.8 um

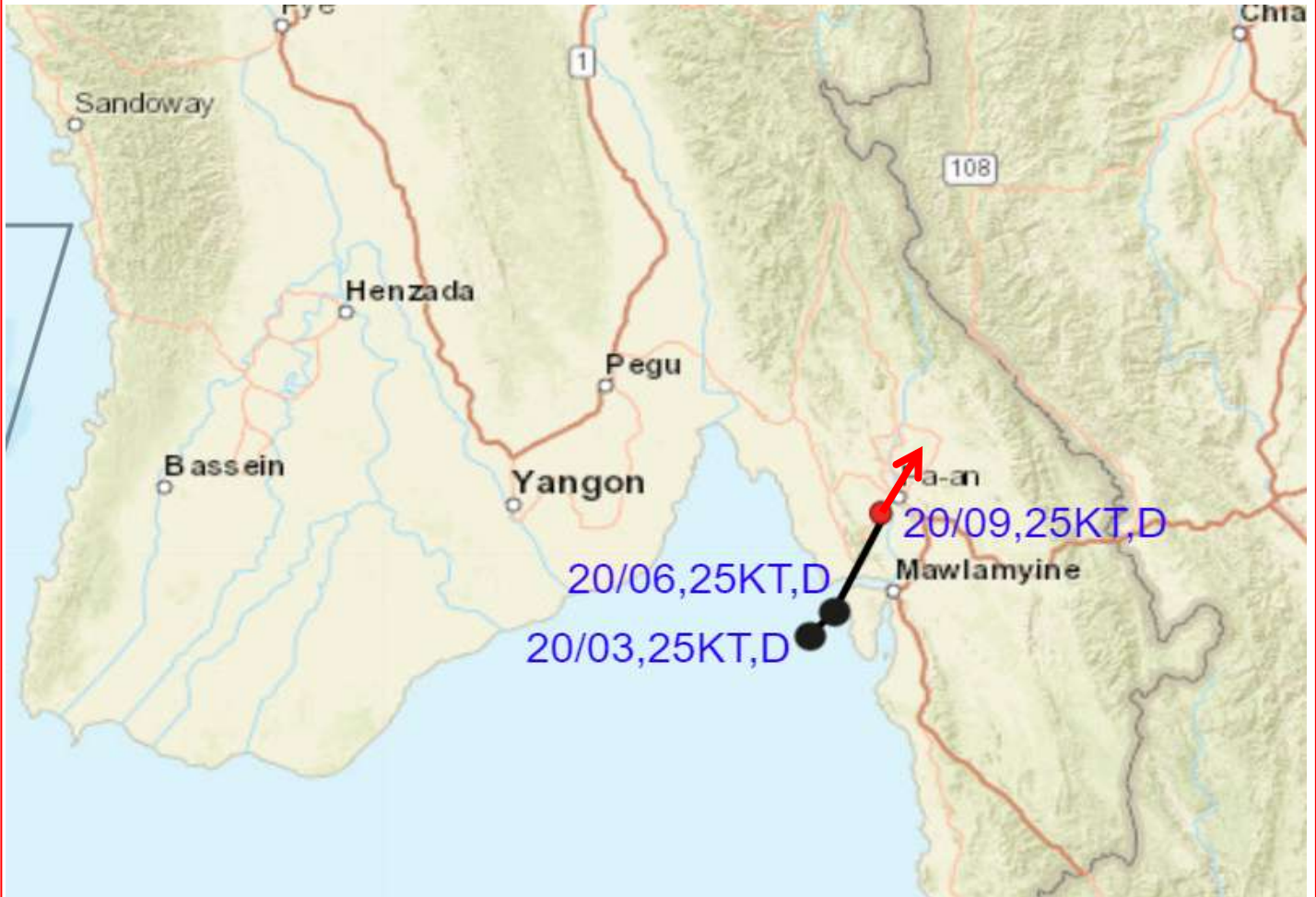
20-05-2022/(1530 to 1556) IST

L1C Mercator











## FORECAST TRACK OF DEPRESSION OVER SOUTH COASTAL MYANMAR BASED ON 0900 UTC OF 20<sup>th</sup> MAY 2022

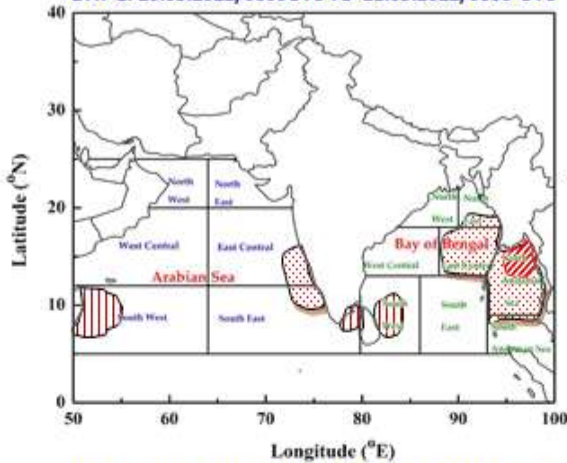


DATE/TIME IN UTC  
IST=UTC + 0530  
L: LOW PRESSURE AREA  
WML: WELL MARKED LOW PRESSURE AREA  
D: DEPRESSION (17-27 KT)  
DD: DEEP DEPRESSION (28-33 KT)  
CS: CYCLONIC STORM (34-47 KT)  
SCS: SEVERE CYCLONIC STORM (48-63KT)  
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
SuCS: SUPER CYCLONIC STORM ( $\geq$ 20 KT)

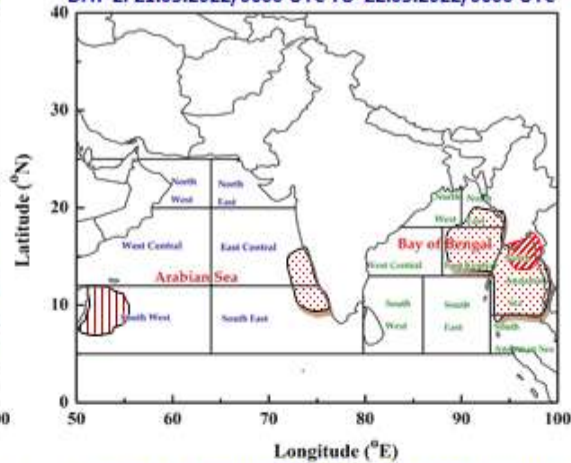
-  LESS THAN 34 KT
-  34-47 KT
-   $\geq$  48 KT
-  OBSERVED TRACK
-  FORECAST TRACK
-  CONE OF UNCERTAINTY

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

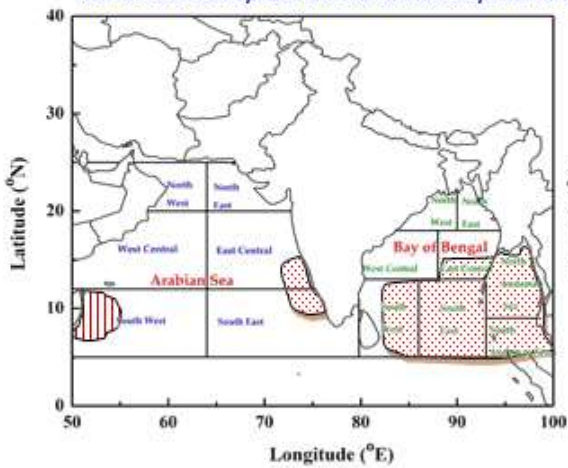
**DAY-1: 20.05.2022/0600UTC TO 21.05.2022/0600 UTC**



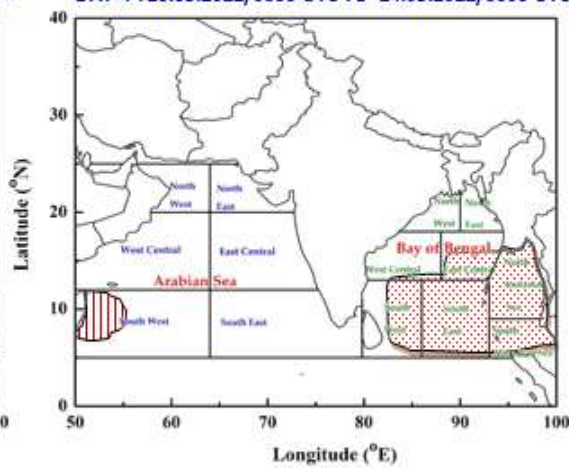
**DAY-2: 21.05.2022/0600 UTC TO 22.05.2022/0600 UTC**



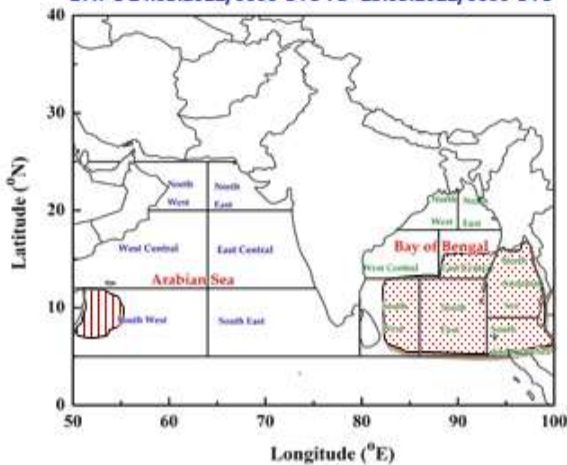
**DAY-3: 22.05.2022/0600 UTC TO 23.05.2022/0600 UTC**



**DAY-4: 23.05.2022/0600 UTC TO 24.05.2022/0600 UTC**



**DAY-5 24.05.2022/0600 UTC TO 25.05.2022/0600 UTC**



**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