



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

DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 23.03.2022

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 23.03.2022 BASED ON 0000 UTC OF 23.03.2022.

SUBJECT: DEPRESSION OVER MYANMAR

THE DEPRESSION OVER COASTAL MYANMAR AND ADJOINING EASTCENTRAL BAY OF BENGAL CONTINUED TO MOVE NEARLY NORTH-NORTHEASTWARDS WITH A SPEED OF 26 KMPH DURING LAST 06 HOURS, AND LAY CENTERED AT 0000 UTC OF 23RD MARCH, OVER MYANMAR NEAR LATITUDE 19.0°N AND LONGITUDE 94.6°E, ABOUT 300 KM NORTH-NORTHWEST OF YANGON (48097) (MYANMAR), 60KM NORTH-NORTHEAST OF THANDWE (48080)(MYANMAR).

IT WOULD CONTINUE TO MOVE NEARLY NORTH-NORTHEASTWARDS AND WEAKEN GRADUALLY INTO A WELL-MARKED LOW PRESSURE AREA DURING NEXT 6-HOURS.

FORECAST TRACK AND INTENSITY ARE GIVEN IN THE FOLLOWING TABLE:

| Date/Time (UTC) | Position (Lat. °N/ Long. °E) | Maximum Sustained Surface Wind speed (kmph) | Category of Cyclonic Disturbance |
|-----------------|------------------------------|---|----------------------------------|
| 23.03.22/0000 | 19.0/94.6 | 35-45 gusting to 55 | DEPRESSION |
| 23.03.22/0600 | 19.8/94.8 | 25-35 gusting to 45 | WELL-MARKED LOW |

AS PER INSAT 3D IMAGERY, THE SYSTEM CENTER IS OVER MYANMAR. ASSOCIATED BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER EASTCENTRAL ADJOINING NORTHEAST BAY OF BENGAL, NORTH ANDAMAN SEA BETWEEN LAT. 16.0°N TO 20.0°N LONG. 91.0°E TO 96.0°E AND ALSO OVER SOUTH MYANMAR ARAKAN COAST & GULF OF MARTABAN. MINIMUM CLOUD TOP TEMPERATURE IS AROUND MINUS 60°C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 20 KNOTS GUSTING TO 30 KNOTS. THE SEA CONDITION IS VERY LIKELY TO REMAIN ROUGH ALONG & OFF NORTH MYANMAR AND ADJOINING BANGLADESH COASTS AND ADJOINING AREAS OF EASTCENTRAL BAY OF BENGAL TILL AFTERNOON OF TODAY, THE 23RD MARCH AND GRADUALLY IMPROVE THEREAFTER. THE ESTIMATED CENTRAL PRESSURE IS 1004 HPA.

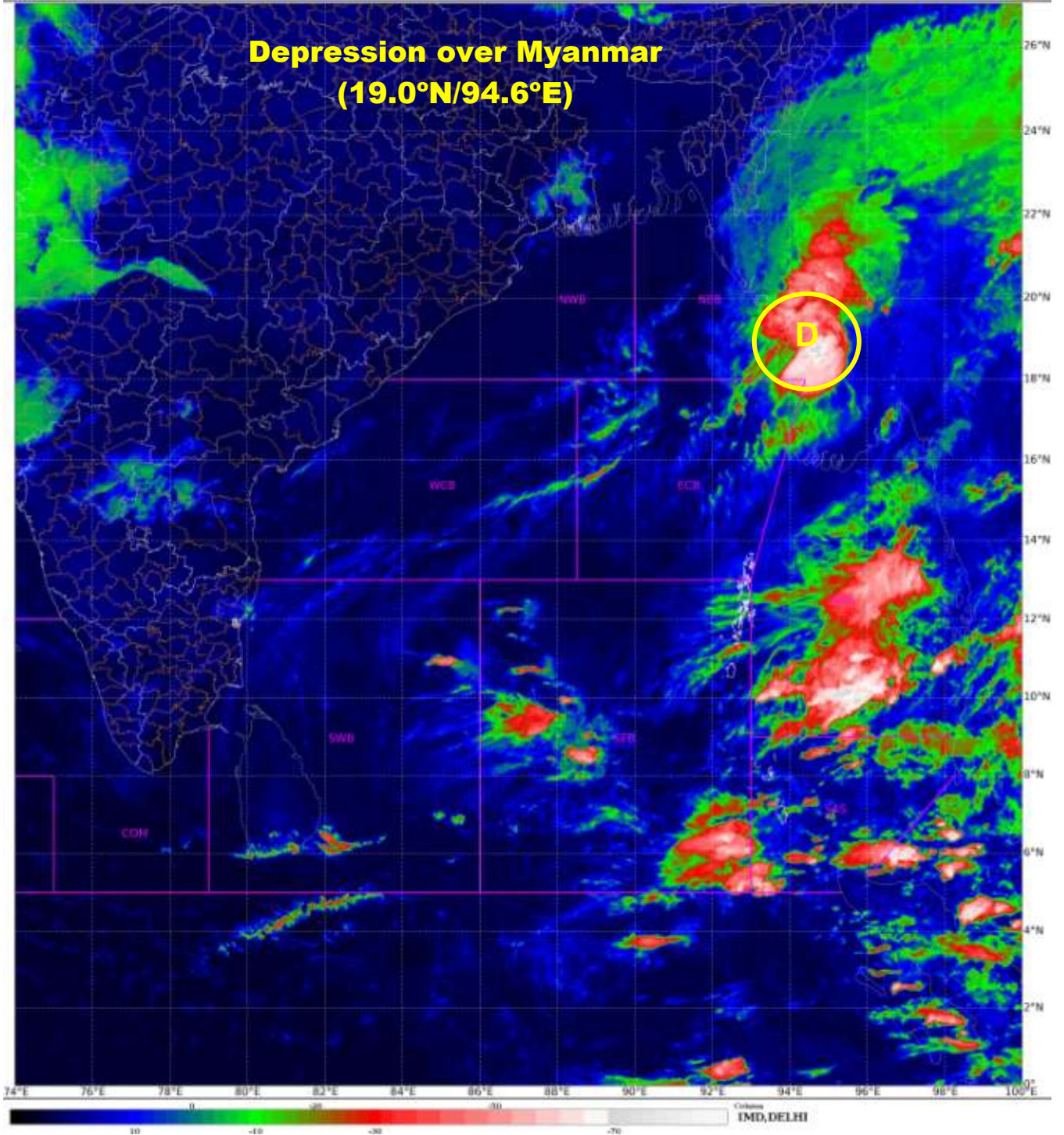
REMARKS:

LOW LEVEL VORTICITY IN LAST 6 HOURS REMAINS AROUND $70-80 \times 10^{-6} \text{ S}^{-1}$ TO THE SOUTH OF SYSTEM CENTRE WITH VERTICAL EXTENSION UPTO 500 HPA LEVEL. LOW LEVEL CONVERGENCE IS $10 \times 10^{-5} \text{ S}^{-1}$ IN NORTHEAST DIRECTION OF SYSTEM CENTRE. UPPER LEVEL DIVERGENCE IS AROUND $05 \times 10^{-5} \text{ S}^{-1}$ NORTHEAST OF THE SYSTEM CENTRE. VERTICAL WIND SHEAR IS MODERATE TO HIGH (15-20 KNOTS) AROUND THE SYSTEM CENTRE. THE SYSTEM IS EXPECTED TO TRACK NORTH-NORTHEASTWARDS ALONG THE PERIPHERY OF ANTICYCLONE LYING OVER MYANMAR & ADJOINING THAILAND. UPPER TROPOSPHERIC RIDGE IS SEEN NEAR 19°N .

(R.K. JENAMANI)
SCIENTIST-F
RSMC NEW DELHI



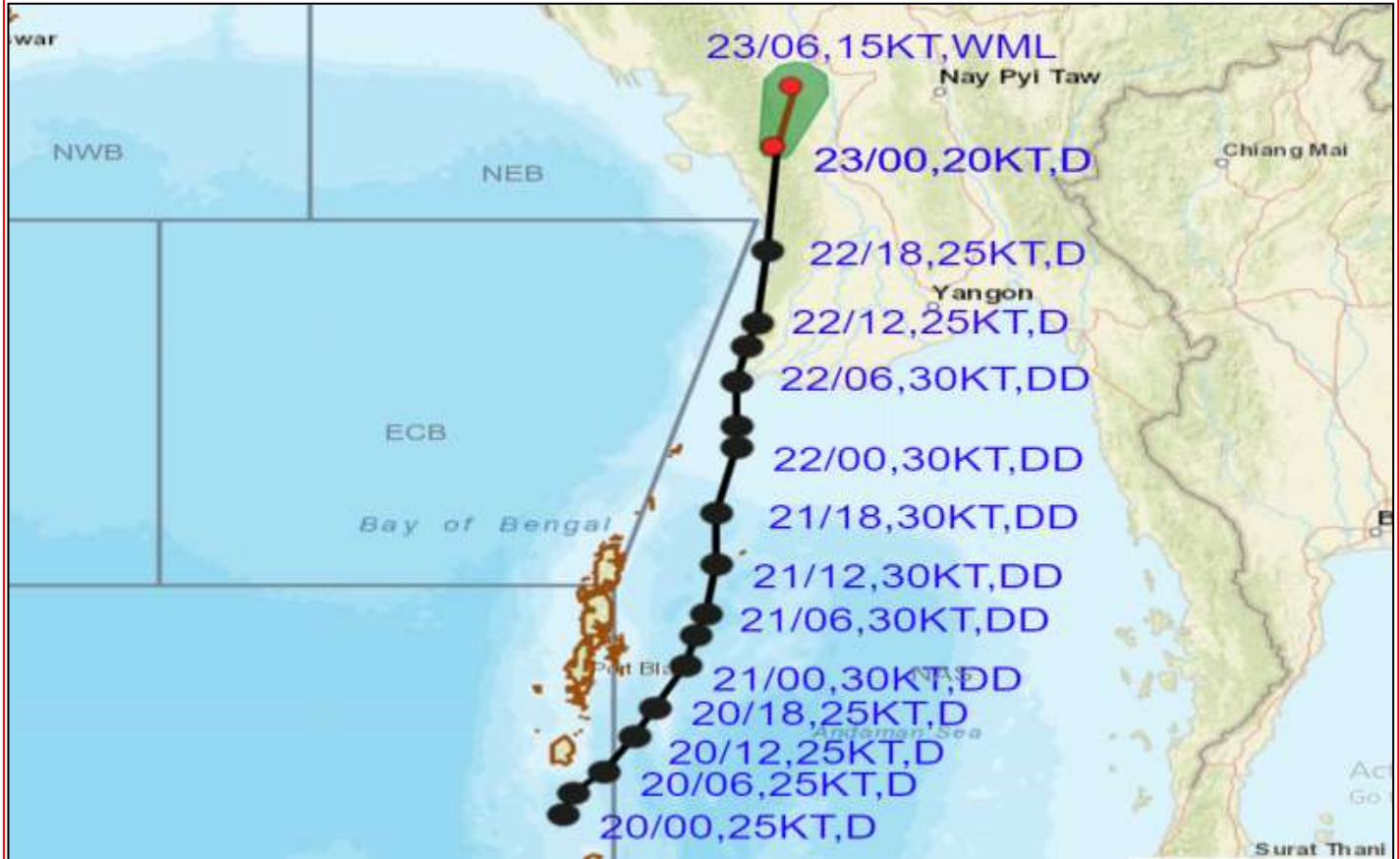
Depression over Myanmar (19.0°N/94.6°E)



D: DEPRESSION



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER MYANMAR BASED ON 0000 UTC OF 23rd MARCH 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 (≥ 120 KT)

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

| STATIONS | DISTANCE(KM) AND DIRECTION FROM STATIONS |
|----------|--|
| | 23.03.22/0000 |
| Yangon | 300,NNW |
| Tandwe | 60,NNE |
| Hut bay | 960,NNE |

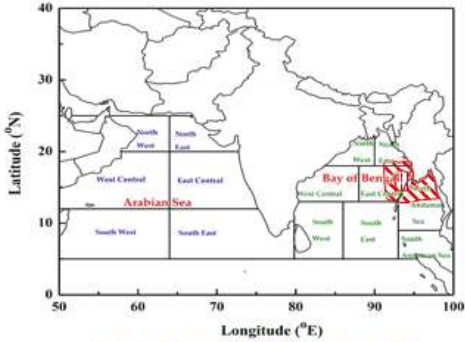
N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST

Fisherman Warning

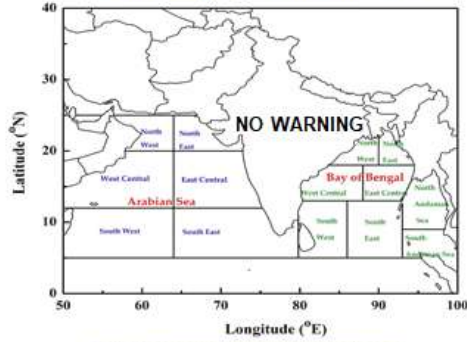
INDIA METEOROLOGICAL DEPARTMENT

FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

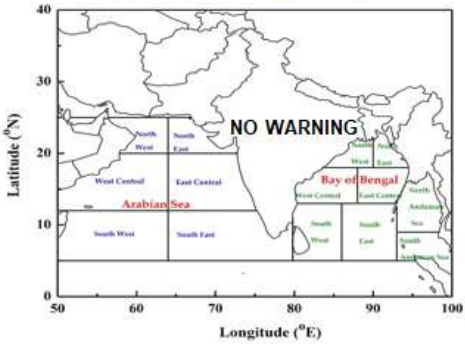
DAY-1: 22.03.2022/0600 UTC TO 23.03.2022/0600 UTC



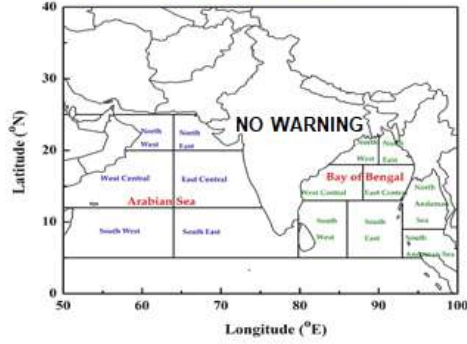
DAY-2: 23.03.2022/0600 UTC TO 24.03.2022/0600 UTC



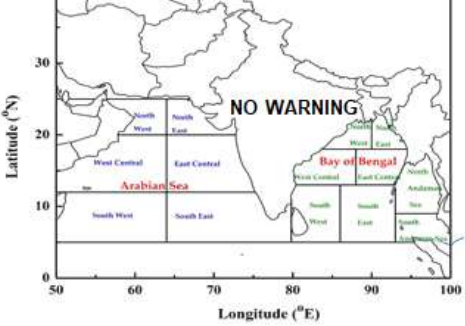
DAY-3: 24.03.2022/0600 UTC TO 25.03.2022/0600 UTC



DAY-4: 25.03.2022/0600 UTC TO 26.03.2022/0600 UTC



DAY-5: 26.03.2022/0600 UTC TO 27.03.2022/0600 UTC



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 55 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 65 KMPH
- 50-60 KMPH GUSTING TO 70 KMPH
- 65-75 KMPH GUSTING TO 85 KMPH