



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

DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 22.03.2022

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 1500 UTC OF 22.03.2022 BASED ON 1200 UTC OF 22.03.2022.

SUBJECT: DEEP DEPRESSION OVER COASTAL MYANMAR WEAKENED INTO A DEPRESSION

THE DEEP DEPRESSION OVER COASTAL MYANMAR MOVED NEARLY NORTH-NORTHEASTWARDS WITH A SPEED OF 15 KMPH DURING LAST 06 HOURS, WEAKENED INTO A DEPRESSION AND LAY CENTERED AT 1200 UTC OF TODAY, THE 22ND MARCH, OVER COASTAL MYANMAR AND ADJOINING EASTCENTRAL BAY OF BENGAL NEAR LATITUDE 16.6°N & LONGITUDE 94.4°E, ABOUT 190 KM WEST OF YANGON (48097), 210 KM SOUTH OF THANDWE (48080), 440 KM NORTH-NORTHEAST OF MAYABUNDAR (43309), 580 KM NORTH-NORTHEAST OF PORT BLAIR (43333).

IT WOULD CONTINUE TO MOVE NEARLY NORTH-NORTHEASTWARDS AND WEAKEN GRADUALLY INTO A WELL MARKED LOW PRESSURE AREA BY TOMORROW, THE 23RD MORNING.

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
22.03.22/1200	16.6/94.4	45-55 GUSTING TO 65	DEPRESSION
22.03.22/1800	17.5/94.5	40-50 GUSTING TO 60	DEPRESSION
23.03.22/0000	18.4/94.6	20-30 GUSTING TO 40	WELL MARKED LOW PRESSURE AREA

AS PER INSAT 3D IMAGERY, THE SYSTEM CENTER IS OVER LAND. ASSOCIATED BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER EAST CENTRAL BAY OF BENGAL AND ADJOINING NORTH ANDAMAN SEA OFF SOUTH MYANMAR COAST AND ADJOINING EASTCENTRAL BAY OF BENGAL BETWEEN LATITUDE 14.5°N & 19.0°N AND LONGITUDE 91.0°E & 95.0°E AND OVER SOUTH MYANMAR ARANAN COAST & GULF OF MARTABAN. MINIMUM CLOUD TOP TEMPERATURE IS AROUND MINUS 93 °C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 25 KNOTS GUSTING TO 35 KNOTS. THE SEA CONDITION IS ROUGH TO VERY ROUGH OVER ANDAMAN SEA AND ADJOINING SOUTHEAST BAY OF BENGAL. 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 $30 \times 10^{-5} \text{ S}^{-1}$ AROUND SYSTEM CENTRE. UPPER LEVEL DIVERGENCE IS AROUND $10 \times 10^{-5} \text{ S}^{-1}$ AROUND 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 TO IT'S NORTHEAST OVER MYANMAR & ADJOINING THAILAND. UPPER TROPOSPHERIC RIDGE IS SEEN NEAR 19°N .

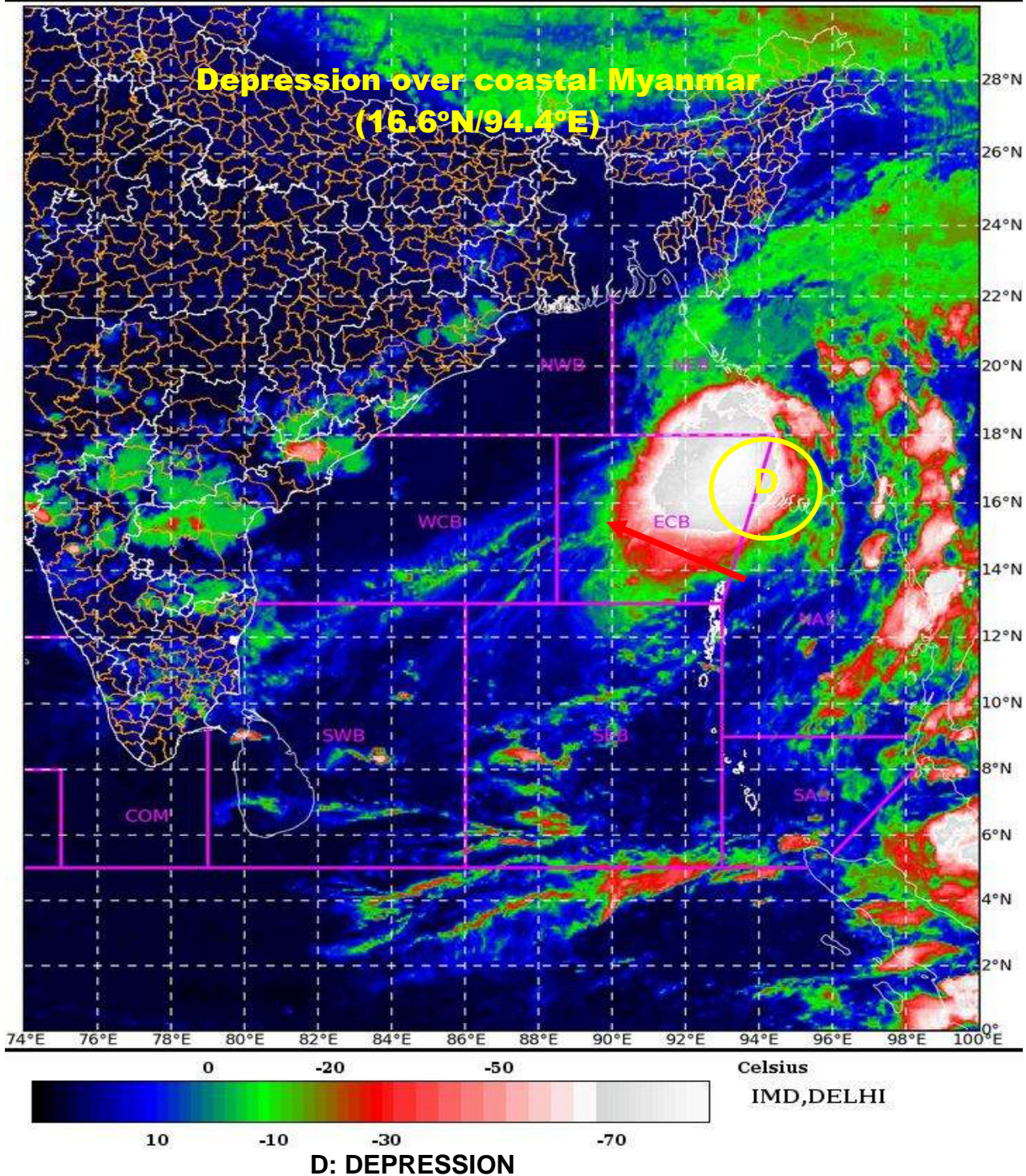
(R. K. JENAMANI)
SCIENTIST-F
RSMC NEW DELHI

SAT : INSAT-3D IMG 22-03-2022/(1330 to 1356) GMT

IMG_TIR1_TEMP 10.8 um 22-03-2022/(1900 to 1926) IST

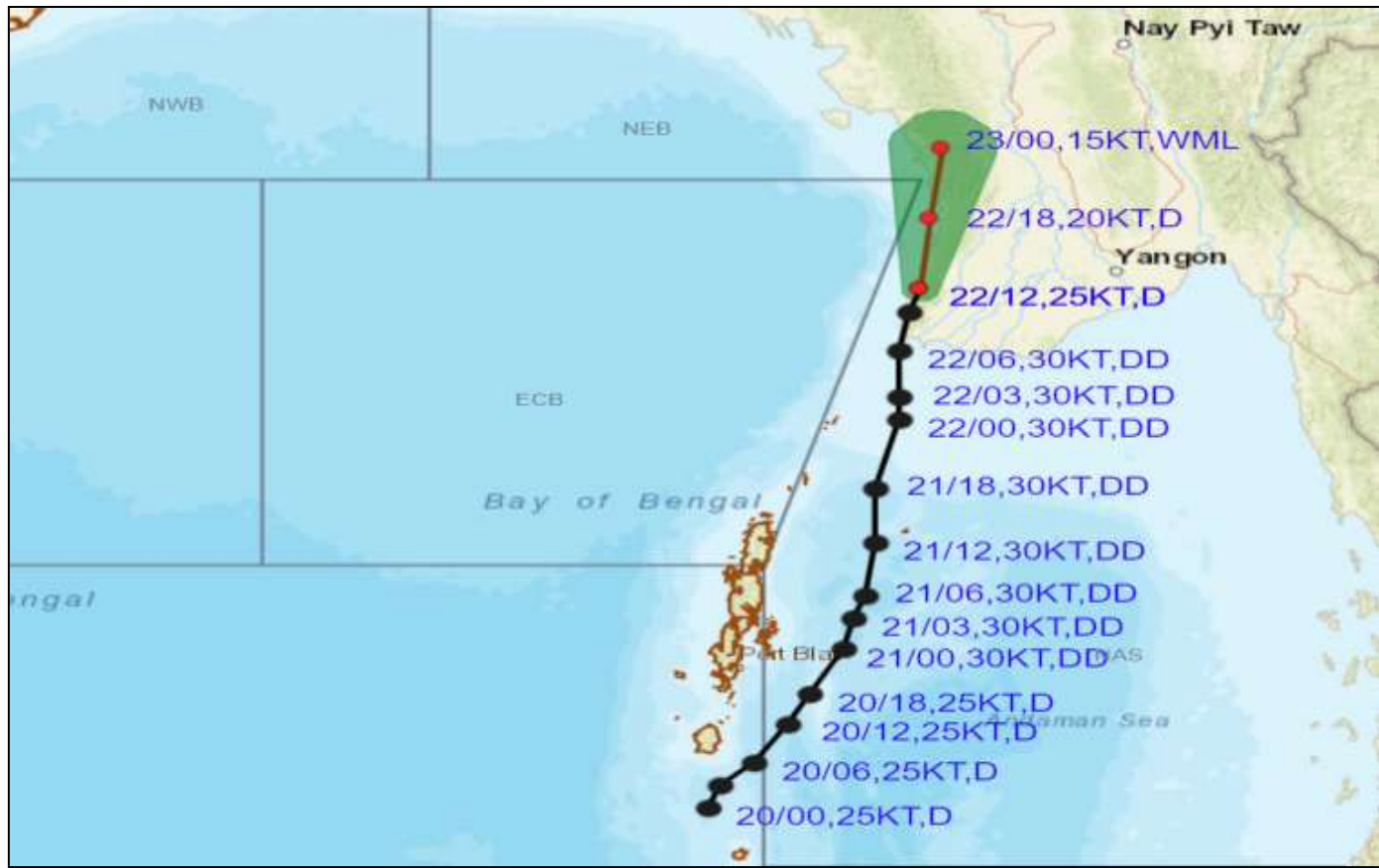


L1C Mercator





**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY
OF DEPRESSION OVER COASTAL MYANMAR BASED ON 1200 UTC OF 22nd
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 (≥20 KT)

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

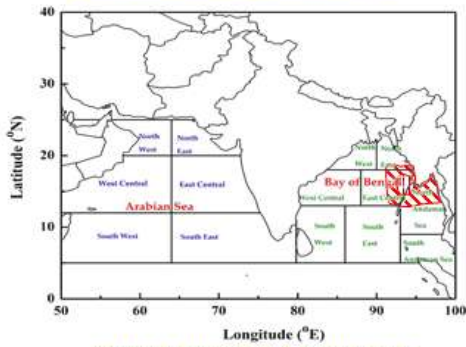
STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS	
	22.03.22/1200	23.03.22/0000
Yangon	190,W	250,NW
Tandwe	210,S	30,ESE
Hut bay	700,NNE	900,NNE
Portblair	580,NNE	780,NNE
Maya bundar	440,NNE	640,NNE

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

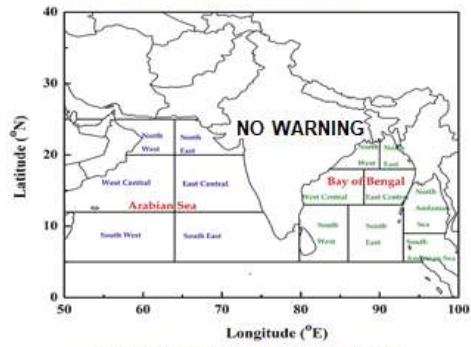
Fisherman Warning

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

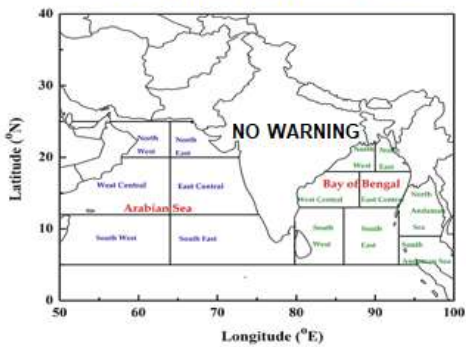
DAY-1: 22.03.2022/0600 UTC TO 23.03.2022/0600 UTC



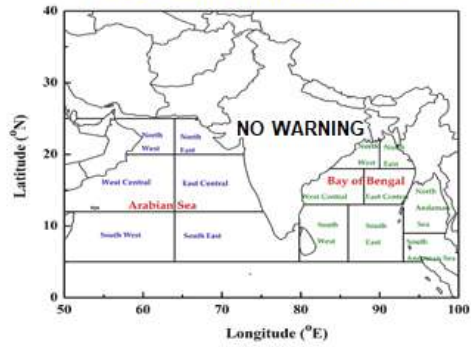
DAY-2: 23.03.2022/0600 UTC TO 24.03.2022 /0600 UTC



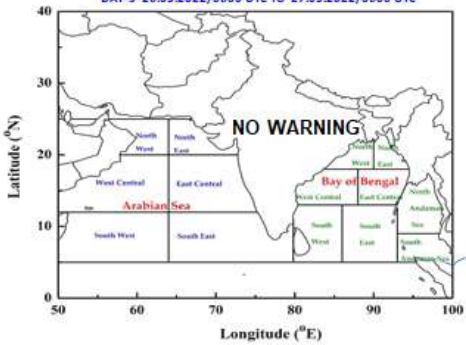
DAY-3: 24.03.2022/0600 UTC TO 25.03.2022/0600 UTC







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