



**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 2030 UTC OF 22.03.2022 BASED ON 1800 UTC OF 22.03.2022.

SUBJECT: DEPRESSION OVER COASTAL MYANMAR AND ADJOINING EASTCENTRAL BAY OF BENGAL

THE DEPRESSION OVER COASTAL MYANMAR AND ADJOINING EASTCENTRAL BAY OF BENGAL MOVED NEARLY NORTH-NORTHEASTWARDS WITH A SPEED OF 19 KMPH DURING LAST 06 HOURS, AND LAY CENTERED AT 1800 UTC OF 22ND MARCH, OVER COASTAL MYANMAR AND ADJOINING EASTCENTRAL BAY OF BENGAL NEAR LATITUDE 17.6°N AND LONGITUDE 94.5°E, ABOUT 200 KM WEST-NORTHWEST OF YANGON (48097), 100KM SOUTH-SOUTHEAST OF THANDWE (48080), 550 KM NORTH-NORTHEAST OF MAYABUNDAR (43309) AND 690 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 MORNING OF TODAY, THE 23RD MARCH 2022.

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
22.03.22/1800	17.6/94.5	40-50 GUSTING TO 60	DEPRESSION
23.03.22/0000	18.6/94.7	25-35 GUSTING TO 45	WELL-MARKED LOW

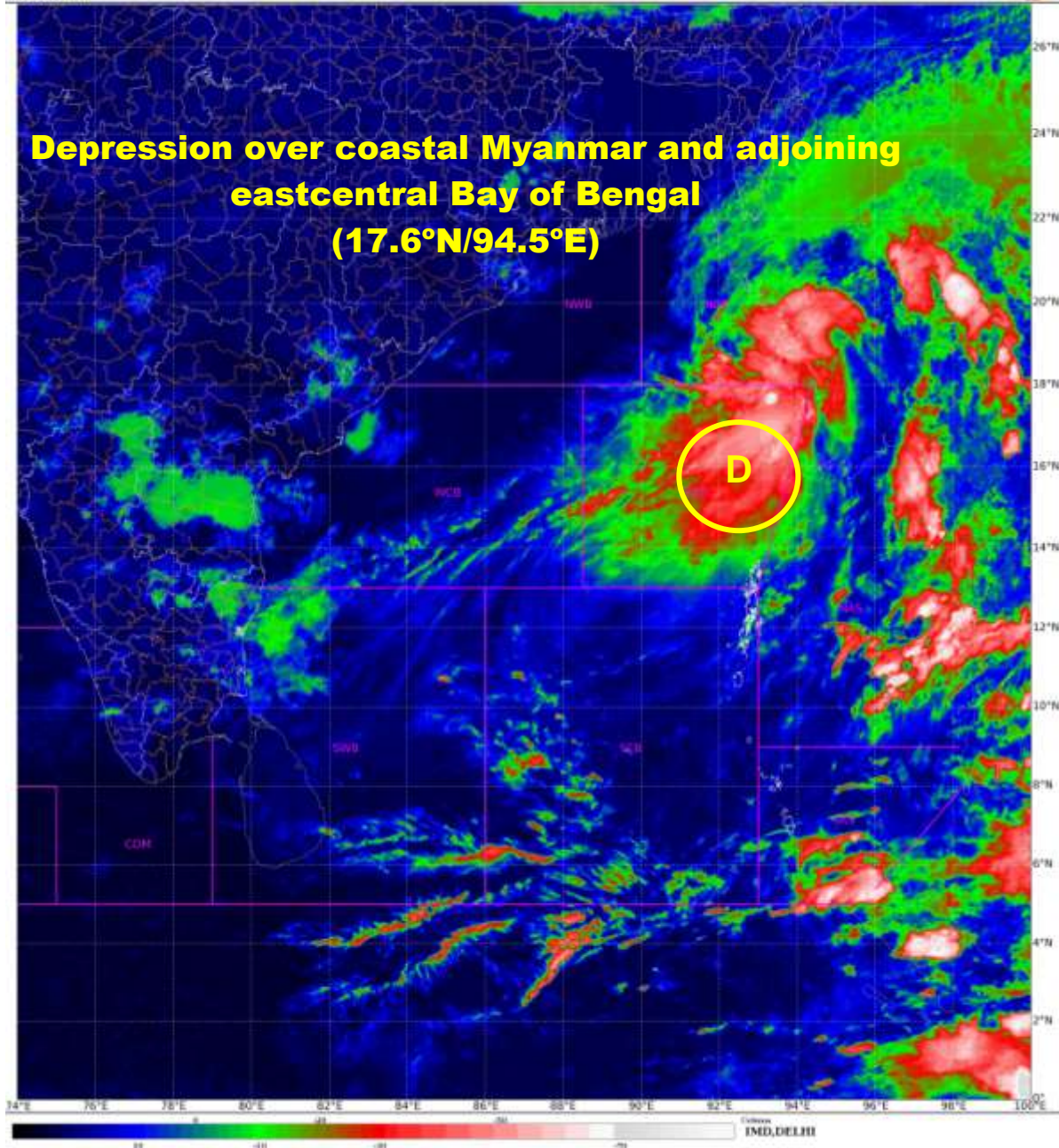
AS PER INSAT 3D IMAGERY, THE SYSTEM CENTER IS OVER MYANMAR (ARAKAN COAST) ADJOINING EASTCENTRAL BAY OF BENGAL. ASSOCIATED BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER EASTCENTRAL ADJOINING NORTHEAST BAY OF BENGAL, NORTH ANDAMAN SEA BETWEEN LAT. 14.0°N TO 20.0°N LONG. 90.0°E TO 95.0°E AND ALSO OVER SOUTH MYANMAR ARAKAN COAST & GULF OF MARTABAN. MINIMUM CLOUD TOP TEMPERATURE IS AROUND MINUS 60°C. INTENSE CONVECTION LIES IN THE NORTH-WEST QUADRANT OF THE SYSTEM CENTER.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 25 KNOTS GUSTING TO 35 KNOTS. THE SEA CONDITION IS VERY LIKELY TO REMAIN ROUGH TO VERY ROUGH ALONG & OFF NORTH MYANMAR AND ADJOINING BANGLADESH COASTS AND ADJOINING AREAS OF EASTCENTRAL BAY OF BENGAL TILL MORNING 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 $10 \times 10^{-5} \text{ S}^{-1}$ SOUTH 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 TO IT'S NORTHEAST OVER MYANMAR & ADJOINING THAILAND. UPPER TROPOSPHERIC RIDGE IS SEEN NEAR 19°N .

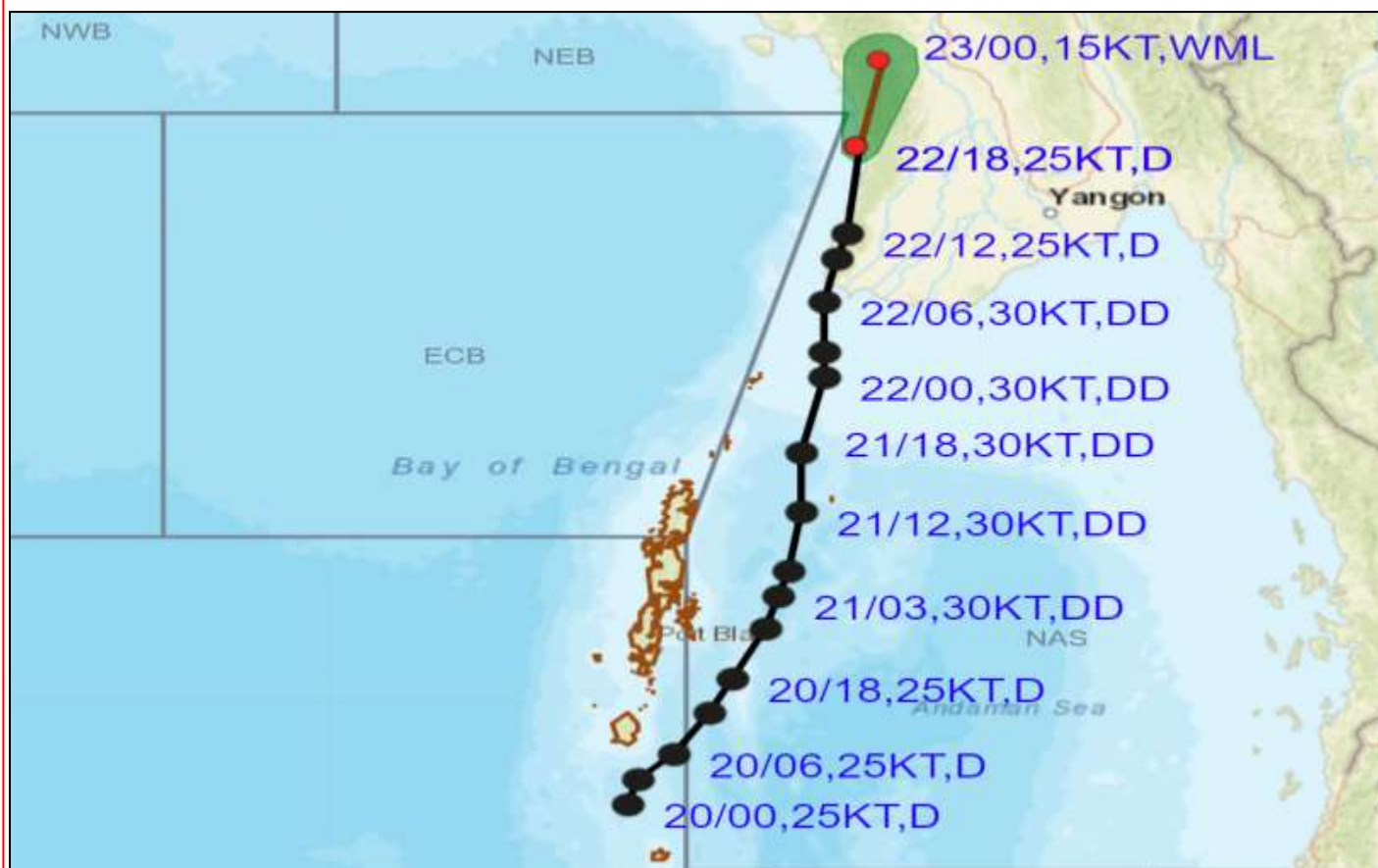
**(SHASHI KANT)
SCIENTIST-C
RSMC NEW DELHI**



D: DEPRESSION



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER COASTAL MYANMAR AND ADJOINING EASTCENTRAL BAY OF BENGAL BASED ON 1800 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
	22.03.22/1800
Yangon	200,WNW
Tandwe	100,SSE
Hut bay	810,NNE
Portblair	690,NNE
Maya bundar	550,NNE

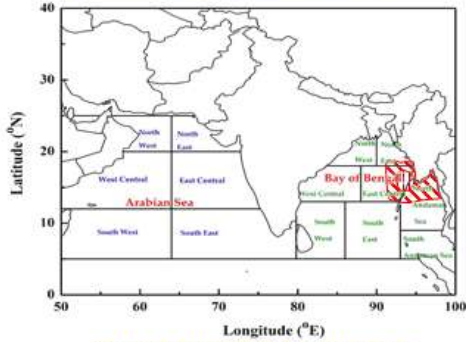
N:NORTH, NNE:NORTH-NORTHEAST, NE:NORTHEAST, ENE:EAST-NORTHEAST, E:EAST, SE:SOUTHEAST, SSE:SOUTH-SOUTHEAST, S:SOUTH, SSW:SOUTH-SOUTHWEST, SW:SOUTHWEST, WSW:WEST-SOUTHWEST, W:WEST, WNW:WEST-NORTHWEST, NW:NORTHWEST, NNW:NORTH-NORTHWEST

Fisherman Warning

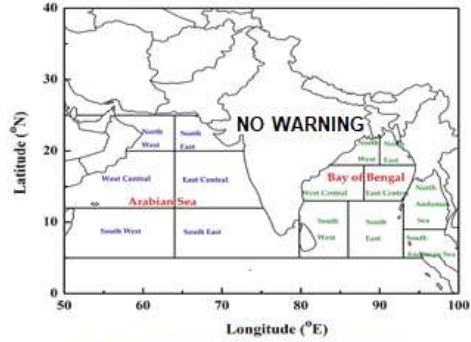
INDIA METEOROLOGICAL DEPARTMENT

FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

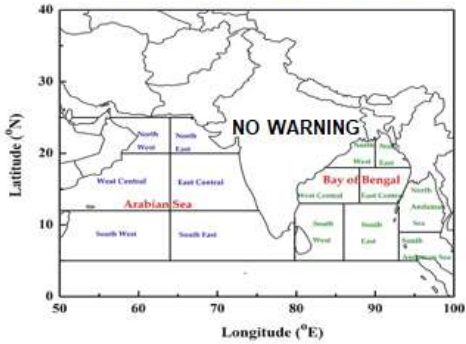
DAY-1: 22.03.2022/0600 UTC TO 23.03.2022/0600 UTC



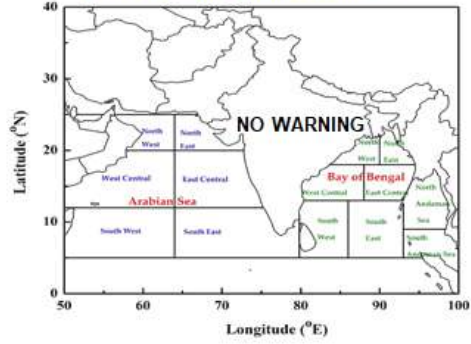
DAY-2: 23.03.2022/0600 UTC TO 24.03.2022/0600 UTC



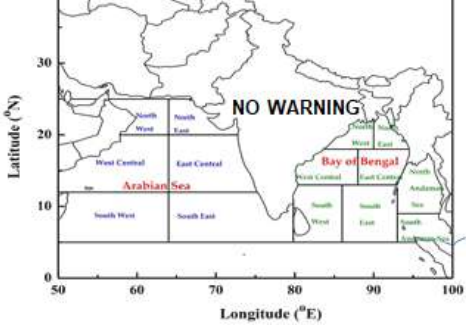
DAY-3: 24.03.2022/0600 UTC TO 25.03.2022/0600 UTC



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