



**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 0900 UTC OF 22.03.2022 BASED ON 0600 UTC OF 22.03.2022.

SUB: DEEP DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING AREAS OF EASTCENTRAL BAY OF BENGAL, CLOSE TO MYANMAR COAST.

THE DEEP DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING AREAS OF EASTCENTRAL BAY OF BENGAL, MOVED NEARLY NORTHWARDS WITH A SPEED OF 16 KMPH DURING LAST 06 HOURS, AND LAY CENTERED AT 0600 UTC OF TODAY, THE 22ND MARCH, OVER THE SAME REGION NEAR LATITUDE 15.8°N AND LONGITUDE 94.2°E CLOSE TO MYANMAR COAST, ABOUT 350 KM NORTH-NORTHEAST OF MAYABUNDAR (43309) (ANDAMAN ISLANDS), 490 KM NORTH-NORTHEAST OF PORT BLAIR(43333) (ANDAMAN ISLANDS), 240 KM, WEST-SOUTHWEST OF YANGON 48097) (MYANMAR) AND 300 KM SOUTH-SOUTHWEST OF THANDWE (48080) (MYANMAR).

IT WOULD CONTINUE TO MOVE NEARLY NORTHWARDS AND CROSS MYANMAR COAST WITHIN NEXT FEW HOURS AS A DEEP DEPRESSION BETWEEN LATITUDE 16°N & 18°N.

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
22.03.22/0600	15.8/94.2	50-60 GUSTING TO 70	DEEP DEPRESSION
22.03.22/1200	16.7/94.4	45-55 GUSTING TO 65	DEPRESSION
22.03.22/1800	17.6/94.8	40-50 GUSTING TO 60	DEPRESSION

AS PER INSAT 3D IMAGERY, INTENSITY OF THE SYSTEM IS CHARACTERISED AS T 2.0. ASSOCIATED BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER NORTH ANDAMAN SEA AND ADJOINING EASTCENTRAL BAY OF BENGAL BETWEEN LATITUDE 13.5°N & 17.0°N AND LONGITUDE 91.0°E & 95.0°E AND AND SOUTH MYANMAR COAST & ARAKAN COAST. MINIMUM CLOUD TOP TEMPERATURE IS AROUND MINUS 93 °C. SYSTEM MAINTAINED CLOUDS STRUCTURE DURING LAST 03 HRS. THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 30 KNOTS GUSTING TO 40 KNOTS. THE SEA CONDITION IS ROUGH TO VERY ROUGH OVER ANDAMAN SEA AND ADJOINING SOUTHEAST BAY OF BENGAL. THE ESTIMATED CENTRAL PRESSURE IS 1002 HPA.

STORM SURGE GUIDANCE

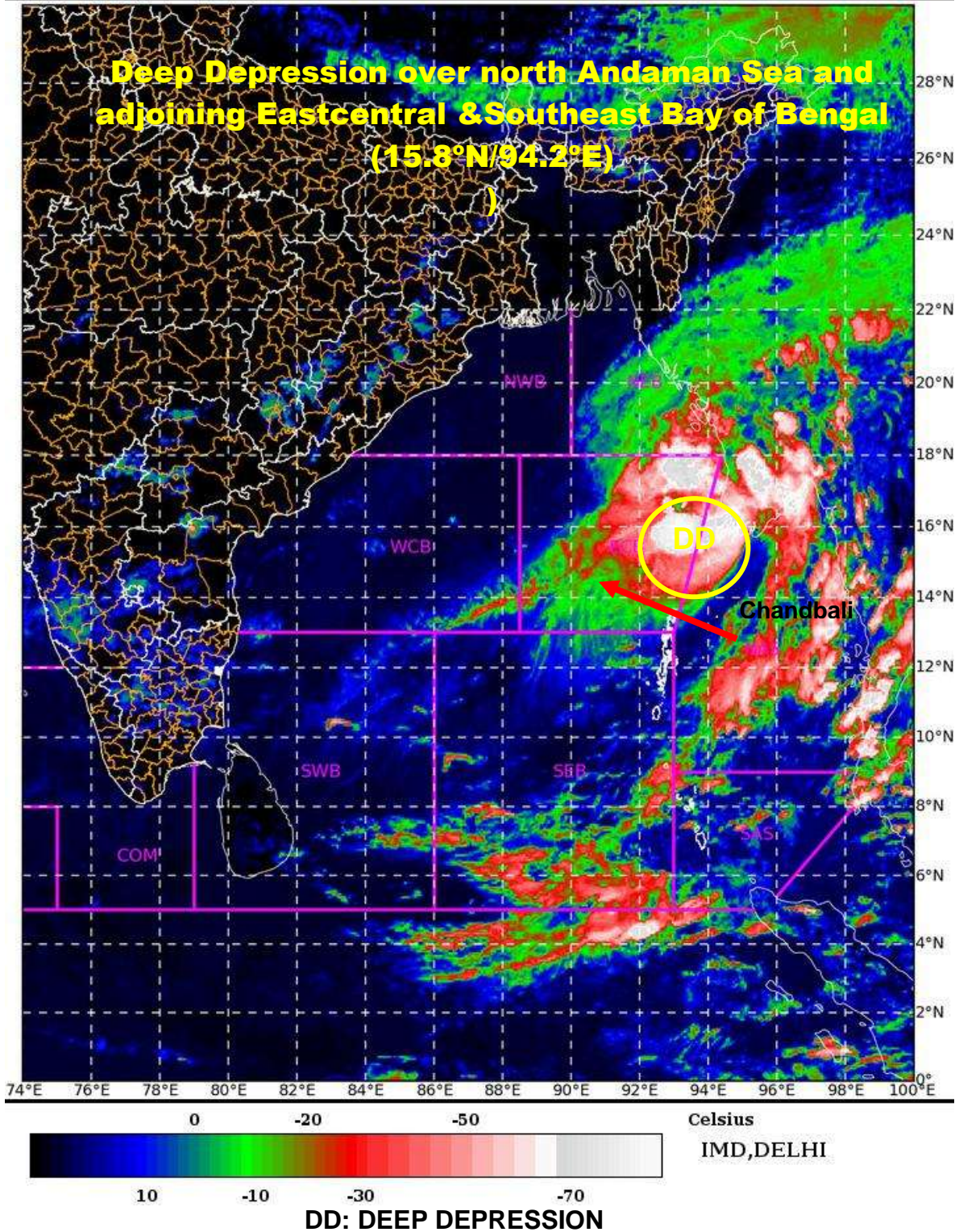
THE PEAK STORM SURGE OF 0.3 M TO 0.5 M OVER AND ABOVE THE ASTRONOMICAL TIDE IS LIKELY TO INUNDATE THE LOW LYING AREAS OF COASTAL MYANMAR(MAP ENCLOSED).

REMARKS:

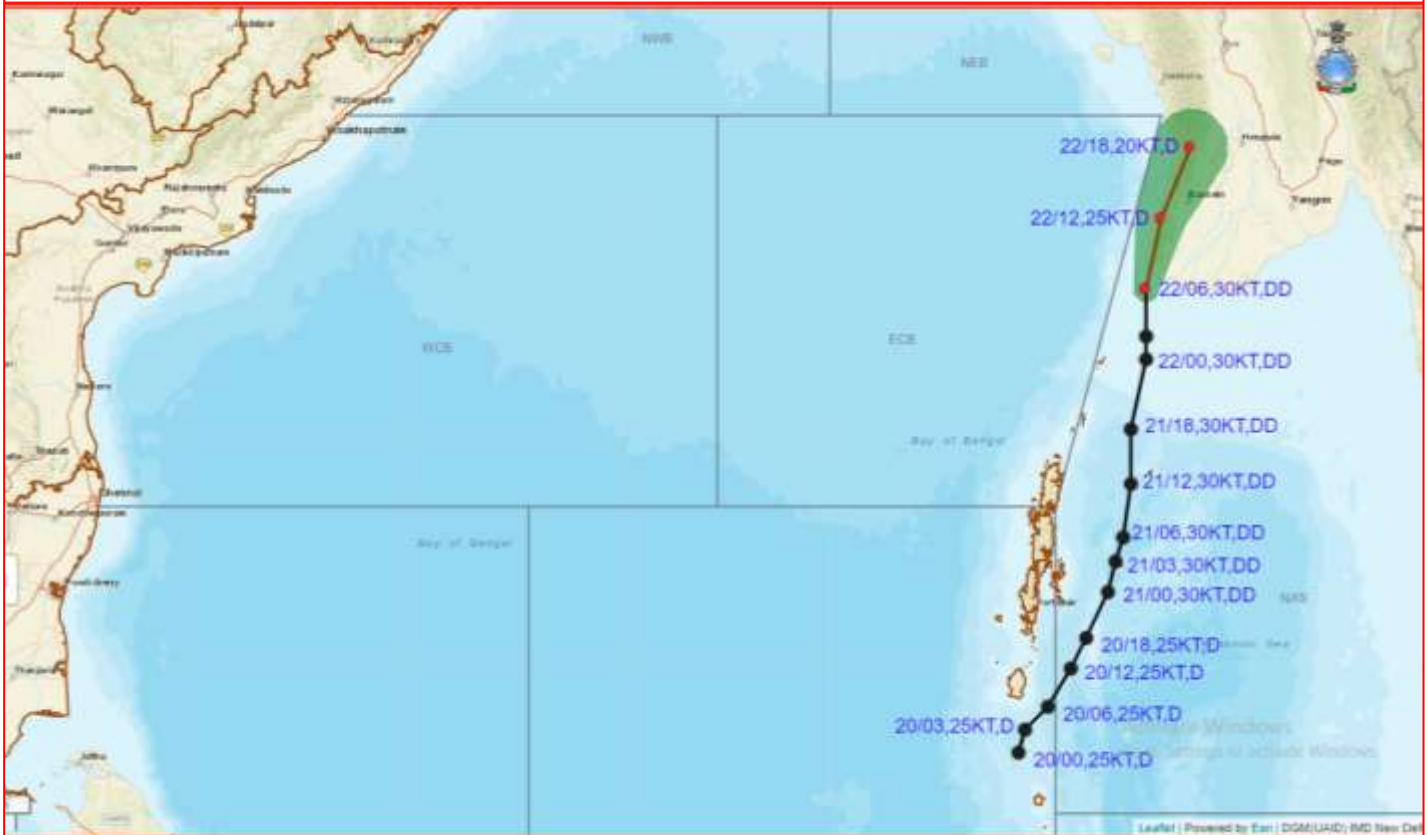
SEA SURFACE TEMPERATURE IS AROUND 28-29°C OVER NORTH ANDAMAN SEA AND ADJOINING EASTCENTRAL BAY OF BENGAL (BOB) BECOMING 26-28°C OVER NORTHEAST BOB. TROPICAL CYCLONE HEAT POTENTIAL IS AROUND 60-80 KJ/CM² OVER THE SAME REGION BECOMING LESS THAN 50 KJ/CM² OVER NORTH BOB.

LOW LEVEL VORTICITY IN LAST 6 HOURS REMAINS AROUND $75 \times 10^{-6} \text{ S}^{-1}$ NEAR SYSTEM CENTRE WITH VERTICAL EXTENSION UPTO 500 HPA LEVEL. LOW LEVEL CONVERGENCE IS $20 \times 10^{-5} \text{ S}^{-1}$ TO THE NORTHEAST OF THE SYSTEM CENTRE. UPPER LEVEL DIVERGENCE IS AROUND $10 \times 10^{-5} \text{ S}^{-1}$ TO THE NORTH-NORTHEAST OF THE SYSTEM CENTRE. VERTICAL WIND SHEAR IS MODERATE TO HIGH (20-25 KNOTS) AROUND THE SYSTEM CENTRE WITH DECREASING TREND (BECOMING 10-15 KNOTS) ALONG THE EXPECTED TRACK OF THE SYSTEM. THE SYSTEM IS TRACKING NORTHWARDS ALONG THE PERIPHERY OF ANTICYCLONE LYING TO IT'S NORTHEAST OVER MYANMAR & ADJOINING THAILAND. UPPER TROPOSPHERIC RIDGE IS SEEN NEAR 17°N.

**(RK JENAMANI)
SCIENTIST-C
RSMC NEW DELHI**



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING AREAS OF EASTCENTRAL BAY OF BENGAL BASED ON 0600 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

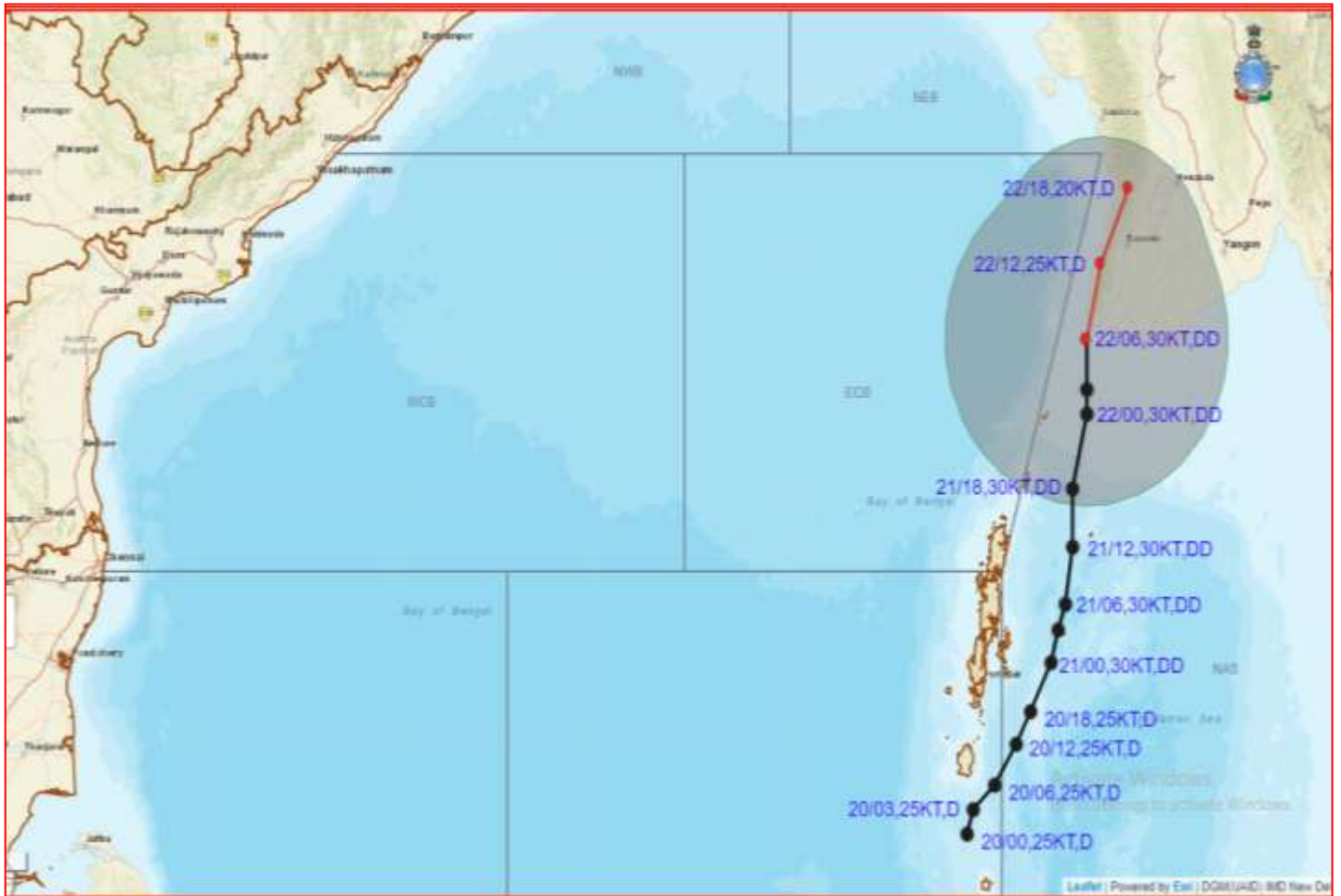
● CONE OF UNCERTAINTY

STATIONS	DISTANCE(KM) AND DIRECTION FROM STATIONS		
	22.03.22/0600	22.03.22/1800	22.03.22/1200
Yangon	240,WSW	170,WNW	190,W
Tandwe	300,S	110,SSE	200,S
Hut bay	610,NNE	820,NNE	710,NNE
Portblair	490,NNE	700,NNE	590,NNE
Maya bundar	350,NNE	560,NNE	450,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

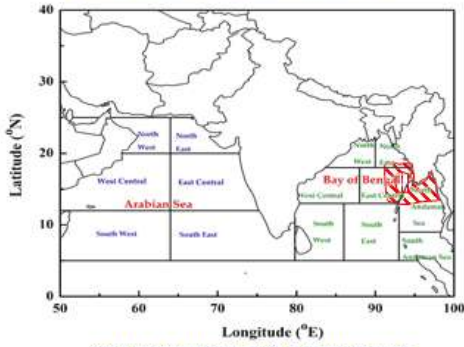


OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND ISTRIBUTION OF DEEP DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING AREAS OF EASTCENTRAL BAY OF BENGAL BASED ON 0600 UTC OF 22nd MARCH 2022

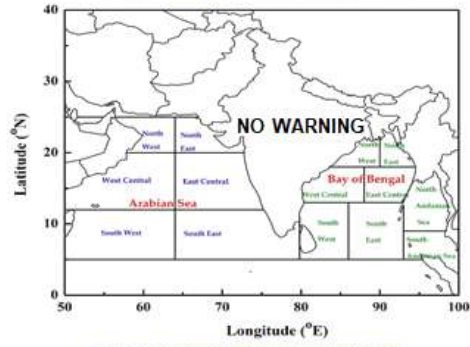


**INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**

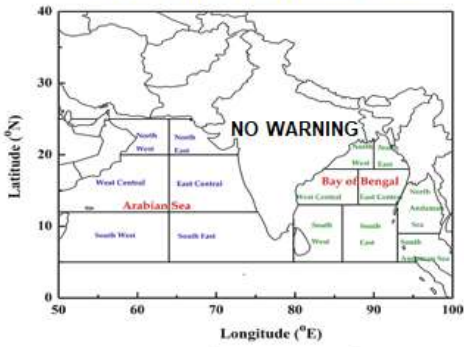
DAY-1: 22.03.2022/0600 UTC TO 23.03.2022/0600 UTC



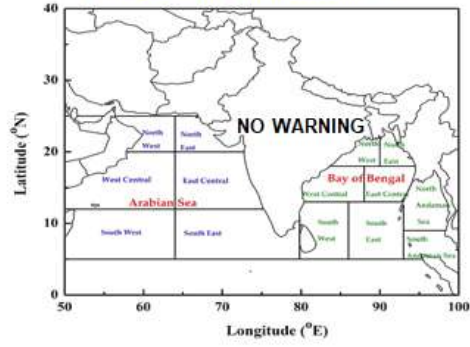
DAY-2: 23.03.2022/0600 UTC TO 24.03.2022 /0600 UTC



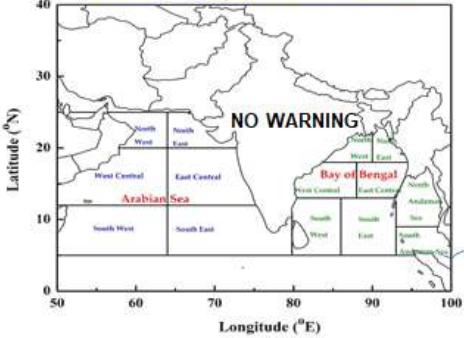
DAY-3: 24.03.2022/0600 UTC TO 25.03.2022/0600 UTC







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

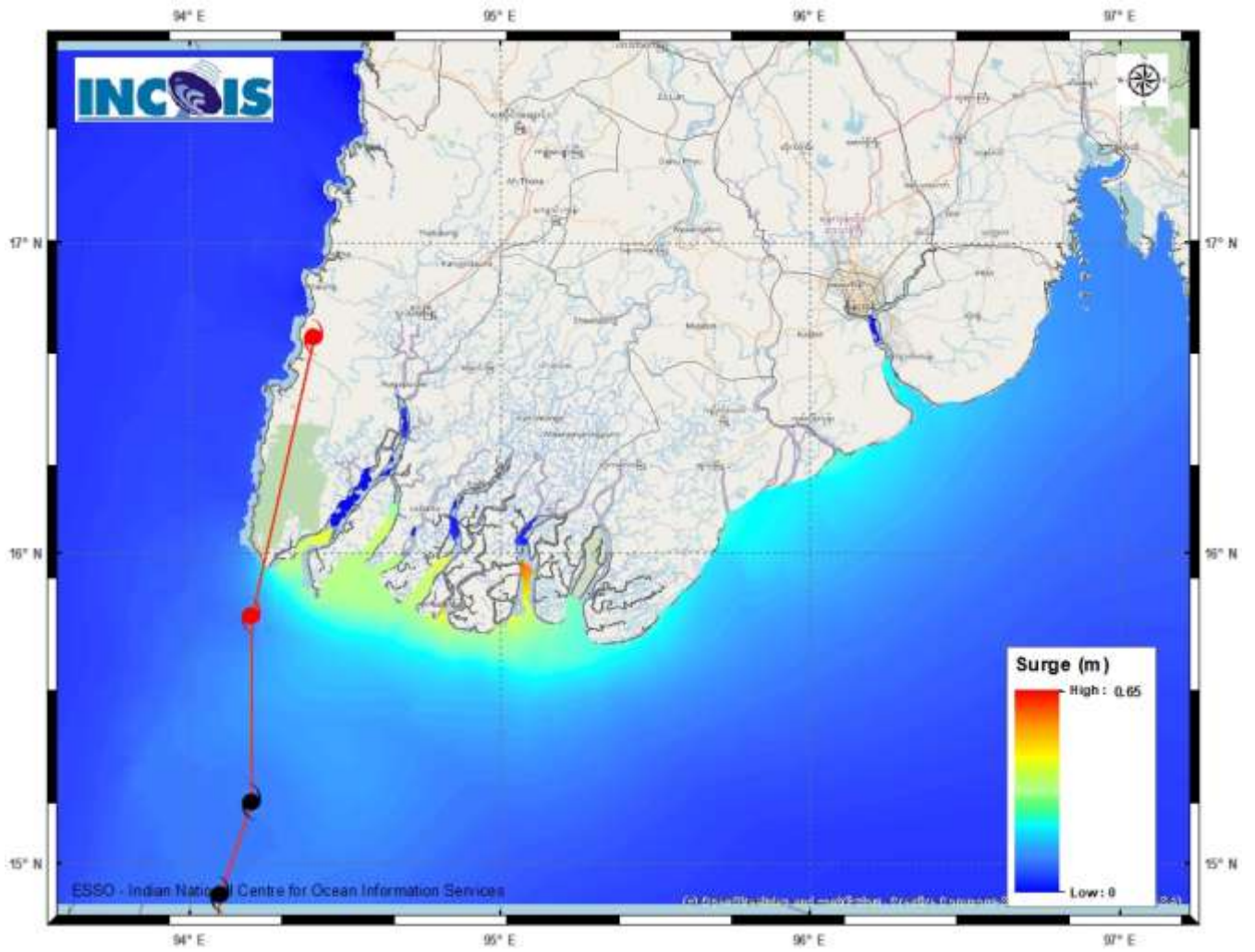


DAY-5: 26.03.2022/0600 UTC TO 27.03.2022/0600 UTC



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



Storm Surge Guidance for Myanmar coast.