



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 03.04.2021

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 03.04.2021 BASED ON 0600 UTC OF 03.04.2021.

BAY OF BENGAL:

THE DEPRESSION OVER NORTH ANDAMAN SEA & NEIGHBOURHOOD MOVED NORTH-NORTHEASTWARDS AND **WEAKENED INTO A WELL MARKED LOW PRESSURE AREA** OVER NORTH ANDAMAN SEA AND ADJOINING SOUTH MYANMAR COAST AT 0600 UTC OF TODAY, THE 03RD APRIL, 2021. IT IS LIKELY TO WEAKEN FURTHER INTO A LOW PRESSURE AREA OVER THE SAME REGION DURING NEXT 12 HOURS.

AS PER INSAT-3D IMAGERY AT 0600 UTC OF 03RD APRIL, THE CLOUDS REMAINED SAME OVER NORTH ANDAMAN SEA. MAXIMUM CONVECTION LAY OVER NORTH ANDAMAN SEA TO THE NORTHWEST OF SYSTEM CENTRE. THE MULTI-SATELLITE BASED DERIVED WINDS INDICATE MSW OF 10-15 KTS TO THE EAST OF SYSTEM CENTRE. THE LATEST SCATTEROMETER BASED WINDS CONTINUE TO SHOW ESTIMATED WINDS AROUND 20-25 KTS. HOWEVER, CIRCULATION FEATURES ARE NOT SEEN. THUS, INTENSITY OF THE SYSTEM HAS BEEN CHARACTERISED AS T 1.0/C.I.1.0. ASSOCIATED SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER NORTH ANDAMAN SEA BETWEEN LATITUDE 12.5N & 15.5N AND LONGITUDE 94.0E & 97.5E. MINIMUM CLOUD TOP TEMPERATURE IS MINUS 70 DEG C.

REMARKS:

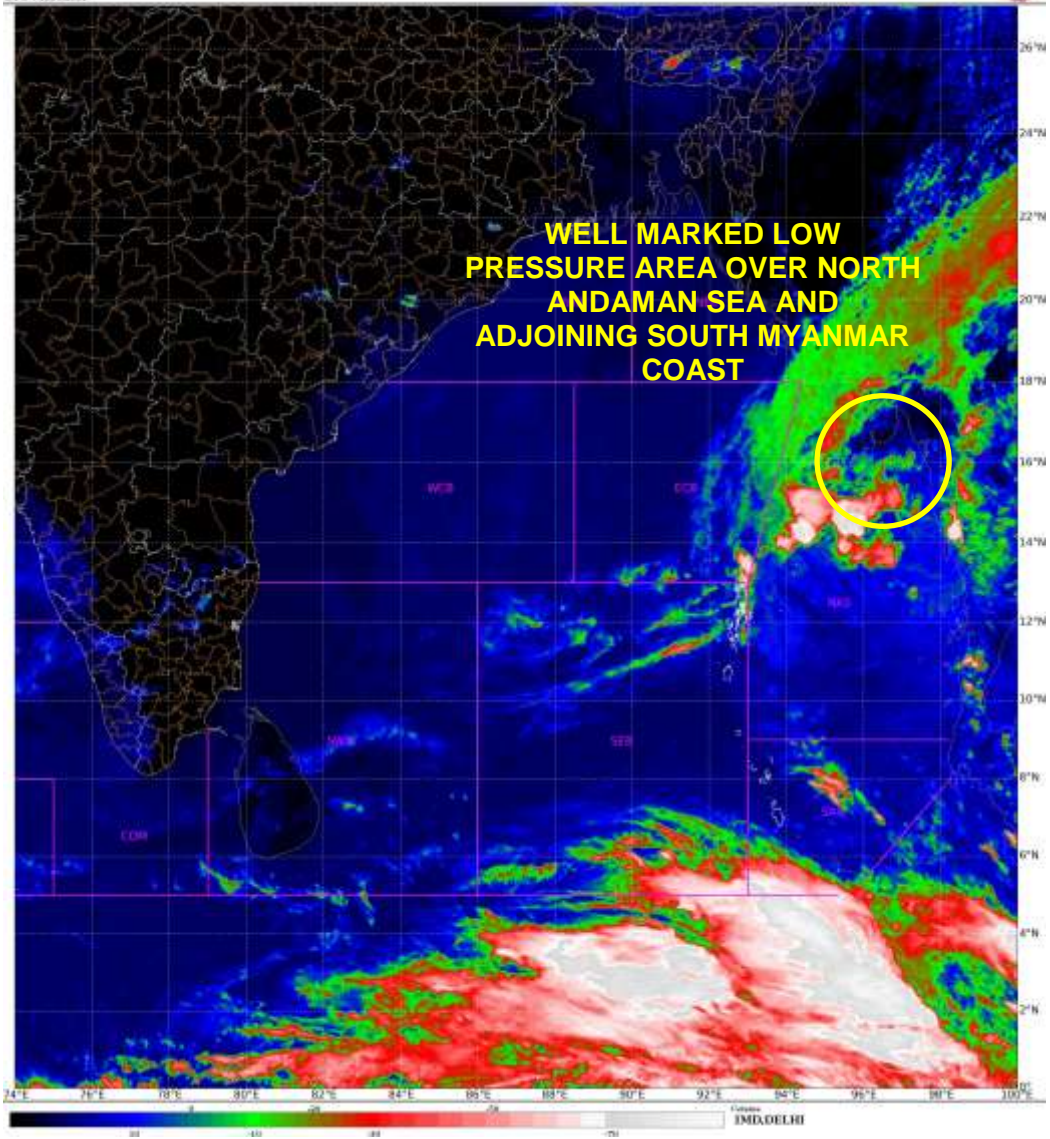
THE LOW LEVEL POSITIVE VORTICITY IS ABOUT 50 – 60 X10⁻⁶ SEC⁻¹ OVER ANDAMAN SEA AND ADJOINING SOUTH MYANMAR COAST. THE MAGNITUDE OF POSITIVE LOW LEVEL CONVERGENCE OVER THE SYSTEM AREA IS AROUND 5-10 X10⁻⁵ SEC⁻¹ AND IS NOW SEEN ALONG MYANMAR COAST. NO UPPER LEVEL DIVERGENCE IS SEEN OVER THE SYSTEM AREA. VERTICAL WIND SHEAR (VWS) IS MODERATE TO HIGH (20-25 KTS) OVER NORTH ANDAMAN SEA AND ADJOINING SOUTH MYANMAR COAST. THE ADVERSE ENVIRONMENTAL CONDITIONS LIKE ENHANCED VERTICAL WIND SHEAR, DECREASED VORTICITY AND DECREASED CONVERGENCE OVER THE SYSTEM AREA CAUSED THE SYSTEM TO WEAKEN INTO A WELL MARKED LOW PRESSURE AREA.

THIS IS THE LAST BULLETIN IN ASSOCIATION WITH THIS SYSTEM.

(SUNITHA DEVI)
SCIENTIST- F

SAT : INSAT-3DR IMG
IMG_TIR1_TEMP 10.0 um
LIC Mercator

03-04-2021(0715 to 0742) GMT
03-04-2021(1245 to 1312) IST





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH ANDAMAN SEA & ADJOINING SOUTH MYANMAR COAST BASED ON 0600 UTC OF 3rd APRIL, 2021.



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