



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 15.05.2023

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0700 UTC OF 15.05.2023 BASED ON 0300 UTC OF 15.05.2023.

SUBJECT: DEPRESSION (REMNANT OF CYCLONIC STORM "MOCHA") WEAKENED INTO A WELL MARKED LOW PRESSURE AREA OVER NORTHEAST MYANMAR

THE DEPRESSION OVER MYANMAR (REMNANT OF CYCLONIC STORM "MOCHA" PRONOUNCED AS "MOKHA") MOVED SOUTHEASTWARDS, WEAKENED INTO A WELL MARKED LOW PRESSURE AREA AND LAY CENTRED AT 0830 HOURS IST OF TODAY, THE 15TH MAY, 2023 OVER NORTHEAST MYANMAR AND NEIGHBOURHOOD.

THE SYSTEM IS LIKELY TO WEAKEN INTO LOW PRESSURE AREA OVER NORTHEAST MYANMAR AND NEIGHBOURHOOD DURING NEXT FEW HOURS.

THE CENTRE IS NOT CLEARLY DEFINED IN SATELLITE IMAGERY. ASSOCIATED SCATTERED TO BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER NORTH MYANMAR AND WEAK TO MODERATE CONVECTION OVER NORTH-EAST STATES & SOUTH-EAST BANGLADESH.

THE MAXIMUM SUSTAINED SURFACE WIND SPEED (MSW) IS 20 KNOTS GUSTING TO 30 KNOTS. THE ESTIMATED CENTRAL PRESSURE (ECP) IS ABOUT 1002 HPA.

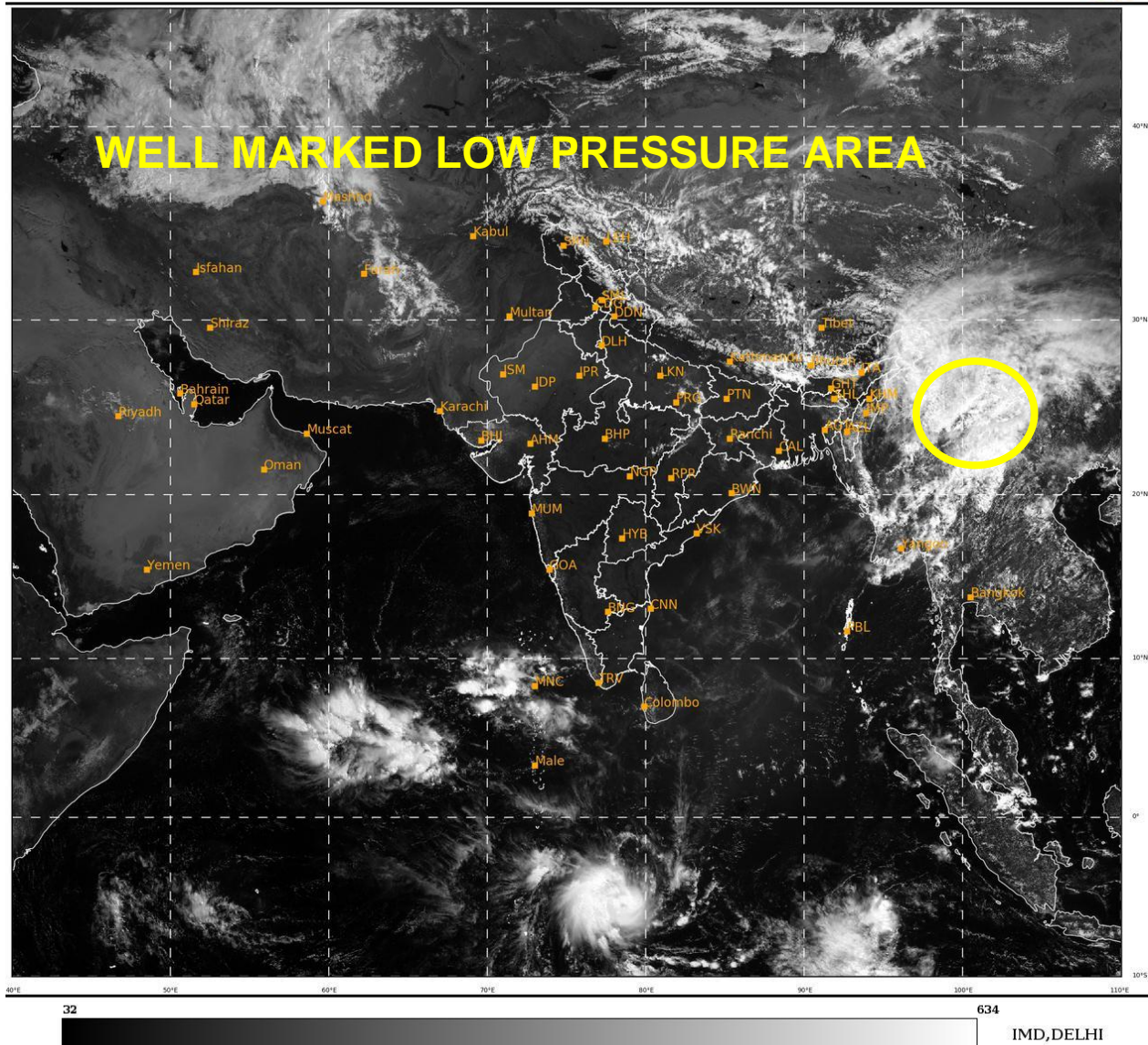
REMARKS:

DUE TO RUGGED TERRAINS AND HIGH WIND SHEAR OVER MYANMAR, THE SYSTEM WOULD WEAKEN RAPIDLY DURING NEXT FEW HOURS TO BECOME A LOW PRESSURE AREA.

THE LOW LEVEL VORTICITY AT 850 HPA HAS REDUCED & IS AROUND $50 \times 10^{-6} \text{ S}^{-1}$ TO THE NORTH EAST OF SYSTEM CENTRE WITH VERTICAL EXTENSION UPTO 500 HPA LEVELS. LOW LEVEL CONVERGENCE HAS ALSO REDUCED AROUND $25 \times 10^{-5} \text{ S}^{-1}$ TO AROUND OF THE SYSTEM CENTRE. THE UPPER LEVEL DIVERGENCE IS AROUND $5-10 \times 10^{-5} \text{ S}^{-1}$ TO THE NORTHEAST OF SYSTEM CENTRE. THE VERTICAL WIND SHEAR IS HIGH (30-40 KNOTS) OVER SYSTEM AREA. AS THE SYSTEM IS OVER RUGGED TERRAINS OF MYANMAR AND WIND SHEAR IS HIGH OVER THE REGION, THE SYSTEM WOULD WEAKEN INTO A LOW PRESSURE AREA DURING NEXT FEW HOURS.

THIS IS THE LAST SPECIAL TROPICAL WEATHER OUTLOOK IN ASSOCIATION WITH THE SYSTEM. HOWEVER REGULAR TROPICAL WEATHER OUTLOOK SHALL CONTINUE FROM THE REGIONAL SPECIALISED METEOROLOGICAL CENTRE IN ASSOCIATION WITH ITS REMNANT WELL MARKED LOW PRESSURE SYSTEM.

(ARULALAN T)
SCIENTIST-C
RSMC NEW DELHI





OBSERVED TRACK OF EXTREMELY SEVERE CYCLONIC STORM MOCHA OVER BAY OF BENGAL FOR THE PERIOD OF 09TH TO 15TH MAY 2023



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