





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

### DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 24.05.2025

# SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR NEXT 168 HOURS ISSUED AT 0300 UTC OF 24.05.2025 BASED ON 0000 UTC OF 24.05.2025.

#### Arabian Sea:

#### Sub: Depression over Eastcentral Arabian Sea and adjoining south Konkan coast

Latest observations indicate that the Well Marked Low pressure area over eastcentral Arabian Sea off south Konkan coast concentrated into a depression and lay centered at 0000 UTC of today, the 24<sup>th</sup> May 2025 over eastcentral Arabian Sea and adjoining south Konkan coast near latitude 17.2<sup>o</sup> N & longitude 73.0<sup>o</sup> E, about 40 km northwest of Ratnagiri.

It is likely to move nearly eastwards and cross south Konkan coast between Ratnagiri and Dapoli as a depression around 0600 UTC of today, the 24<sup>th</sup> May 2025.

As per INSAT 3D (S) imagery at 0000 UTC, the system is centered over east-central Arabian Sea off Konkan coast & neighbourhood centered near degree of 17.2N/73.0E and the associated intensity is T1.5. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over eastcentral Arabian Sea adjoining Konkan, Goa & Karnataka coasts. Minimum cloud top temperature  $-60^{\circ}C$  to  $-90^{\circ}C$ .

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over south & central Arabian Sea off Konkan, Goa, Karnataka coasts and Lakshadweep Islands area. Scattered low and medium clouds with embedded moderate to intense convection lay over Gulf of Cambay and Maldives area.

The associated estimated central pressure is 998 hPa and the associated maximum sustained wind speed is 25 kt gusting to 35 kt.

Colaba (43057) reported mean sea level pressure (MSLP) of 998.3 hPa, Santacruz (43003) reported 998.3 hPa and Ratnagiri (43110) reported 999.1 hPa and maximum sustained wind speed of 320<sup>0</sup>/02kt.

#### **BAY OF BENGAL:**

A low-pressure area is likely to form over westcentral and adjoining north Bay of Bengal around 27<sup>th</sup> May, 2025. It is likely to become more marked during subsequent 2 days.

Scattered low and medium clouds with embedded intense to very intense convection lay over central & south Bay of Bengal & Andaman Sea. Scattered low and medium clouds with embedded

moderate to intense convection lay over north Bay of Bengal

*PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:						
24	24-48	48-72	72-96	96-120	120-144	144-168
HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS
NIL	NIL	NIL	NIL	LOW	LOW	-

\*NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY

"-" Depression has already formed

THE NEXT BULLETIN WILL BE ISSUED AT 0600 UTC BASED ON 0300 UTC OF 24TH MAY, 2025.

(Monica Sharma) Sc.D, RSMC, NEW DELHI

Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature (CTT) >-25°C, (b) Moderate: CTT: - 25°C to -40°C, (c) Intense: CTT: - 41°C to -70°C and (d) Very Intense: : Less than -70°C PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION):NIL: 0%, LOW: 1-33%, , MODERATE: 34-66% AND HIGH: 67-100% This is a guidance Bulletin for WMO/ESCAP Panel Member countries. Visit respective National websites for Country specific Bulletins



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# OBSERVED AND FORECAST TRACK OF DEPRESSION OVER EASTCENTRAL ARABIAN SEA AND ADJOINING SOUTH KONKAN COAST BASED ON 0000 UTC OF 24<sup>th</sup> MAY, 2025



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