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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 11.04.2025

TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0600 UTC OF 11.04.2025 BASED ON 0300 UTC OF 11.04.2025.

BAY OF BENGAL:

Yesterday's Low-pressure area over westcentral Bay of Bengal (BoB) became less marked at 0300 UTC of today, the 11th April, 2025. However, the associated cyclonic circulation extending upto 1.5 km above mean sea level persisted over the same area.

Scattered to broken low medium clouds with embedded moderate to intense convection lay over BoB and south Andaman Sea (minimum Cloud Top Temperature -50^{0}C to -70^{0}C). Scattered low and medium clouds with embedded moderate to intense convection lay over south Andaman Sea.

***PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:**

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
NIL	NIL	NIL	NIL	NIL	NIL	NIL

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

ARABIAN SEA:

Scattered low and medium clouds with embedded moderate to intense convection lay over southeast Arabian Sea, Lakshadweep islands area, Maldives & Comorin area.

***PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:**

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
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***NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY**

REMARKS:

Madden Julian Oscillation (MJO) is currently in phase 4 with very weak signal of amplitude less than 1. It is predicted to move across phase 4 and 5 during next 2-3 days and is likely to remain weak. The NCICS CFS model is indicating enhanced westerly wind anomaly (5-7 mps), Equatorial Rossby wave (ERW) over south BoB and easterly wind anomaly (5-7 mps) over north Andaman Sea & central BoB during next 3-4 days. The sea surface temperature is 29-30^{0}C over the south BoB and tropical cyclone heat potential is 130-150 KJ/cm^2. The low-level vorticity of 40-50X10^{-6}s^{-1} over westcentral BoB. High wind shear of 30-50 kt over northern part of central BoB has weakened the system.

All the models are indicating cyclonic circulation over northwest BoB 0000 UTC of 11th

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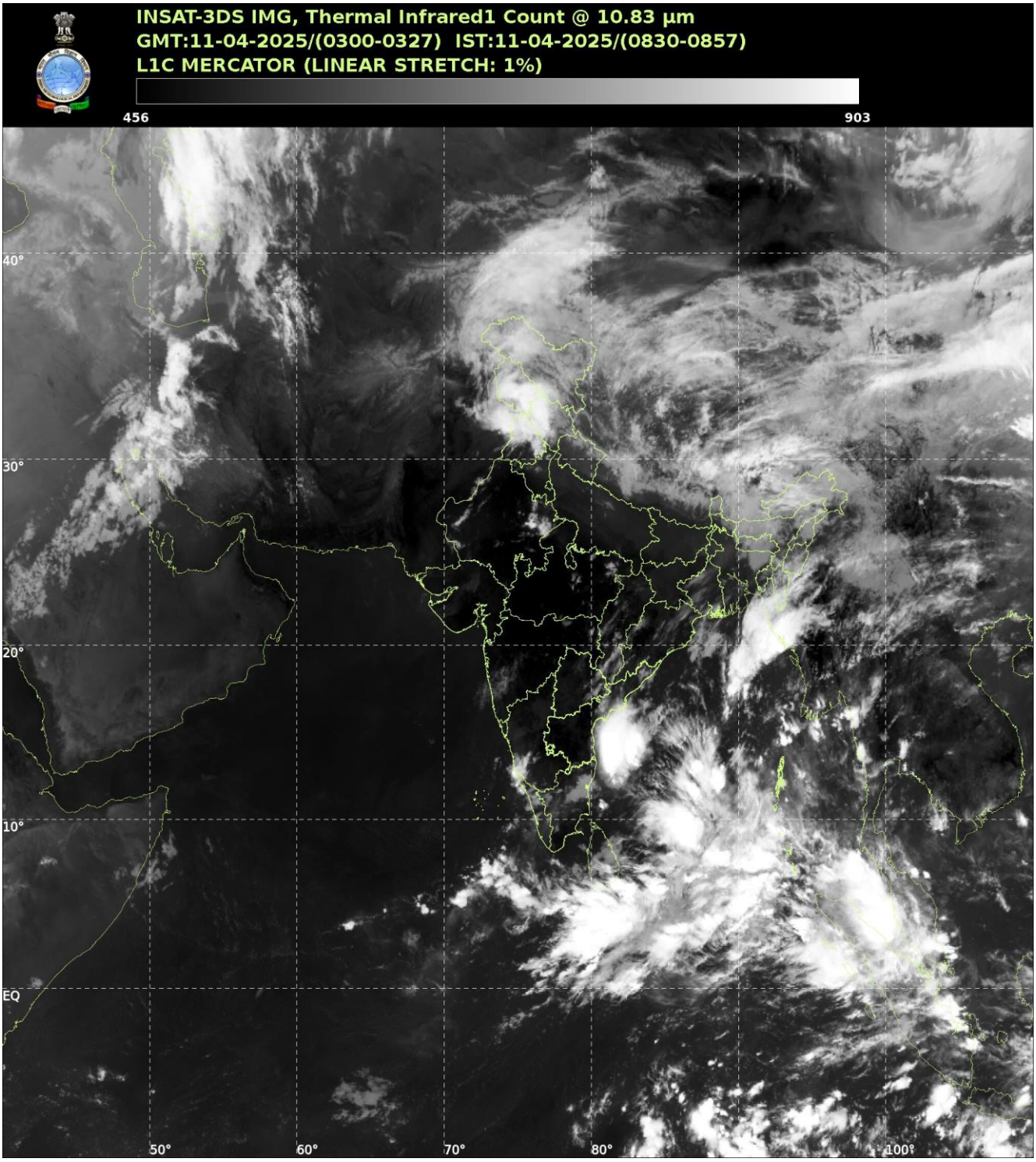
Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C,(b)Moderate:CTT:-25°Cto-40°C,(c)Intense:CTT: -41°Cto -70°Cand(d)Very Intense::Less than -70°C PROBABILITYOFCYCLOGENESIS(FORMATIONOFDEPRESSION):NIL:0%,LOW:1-33%,,MODERATE:34-66%ANDHIGH:67-100% ThisisaguidanceBulletinforWMO/ESCAPPanelMembercountries.VisitrespectiveNationalwebsitesforCountryspecificBulletins

April and becoming less marked during next 12 hrs.



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