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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 25.05.2025

TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0700 UTC OF 25.05.2025 BASED ON 0300 UTC OF 25.05.2025.

BAY OF BENGAL:

A low-pressure area is likely to form over westcentral and adjoining north Bay of Bengal around 27th May, 2025.

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over Bay of Bengal & 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	LOW	LOW	-	-

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

ARABIAN SEA:

Yesterday's depression over madhya Maharashtra (India) weakened into a well marked low pressure area over south Madhya Maharashtra and adjoining areas of Marathwada & North Interior Karnataka at 0000 UTC of today, the 25th May 2025 and persisted over same region at 0300 UTC of today, the 25th May 2025. It is likely to move slowly eastwards during next 24 hours and weaken gradually. Associated upper air cyclonic circulation extended upto mid-high tropospheric level.

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over eastcentral Arabian Sea & off Karnataka coast, Lakshadweep Islands & off Kerala coast, Maldives & Comorin area. Scattered to broken low and medium clouds with embedded intense convection lay over westcentral and southeast Arabian Sea.Scattered low and medium clouds with embedded weak to moderate convection lay over northeast Arabian off Gujarat coast and Kutch.

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NIL	NIL	NIL	NIL	NIL	NIL	NIL

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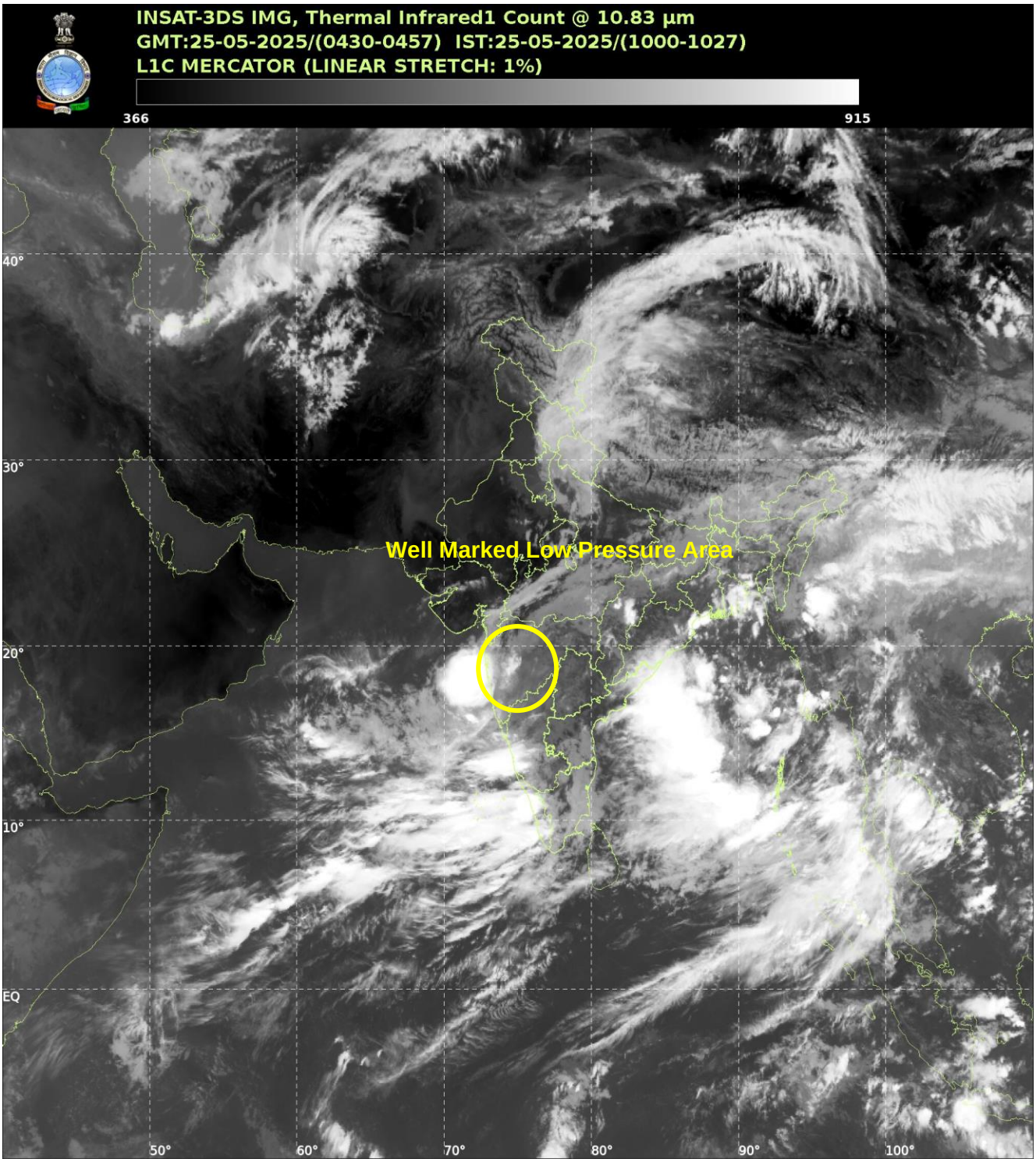
Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C,(b)Moderate:CTT:-25°Cto-40°C,(c)Intense:CTT: -41°Cto -70°Cand(d)Very Intense::Less than -70°C PROBABILITYOFCYCLOGENESIS(FORMATIONOFDEPRESSION):NIL:0%,LOW:1-33%,,MODERATE:34-66%ANDHIGH:67-100%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

Remarks:

The sea surface surface temperature is 30-32^{0}C over entire the Bay of Bengal (BoB). The Madden Julian Oscillation (MJO) will be in phase 4 with amplitude close to 1 during next 2 days. Thereafter, it would enter into 5 with amplitude becoming >1 during subsequent 5 days. The guidance from NCICS model indicate strong westerly wind anomaly (5-7 mps) over the south Bay of Bengal alongwith prevalenceof Equatorial Rossby wave (ERW) and strong easterly wind anomaly (5-7 mps) over norh BoB during 27th-29th May. The vertical wind shear is low to moderate over north and adjoining central Bay of Bengal. These features indicate a favourable environment for development of low-pressure area over the North BoB.

Models like NCUM, IMD GFS and ECMWF are indicating the remnant of existing well marked low pressure area over south Madhya Maharashtra & adjoining Marathwada & North Interior Karnataka would move across, Marathwada, Telangana & Andhra Pradesh and emerge into westcentral & adjoining northwest BoB around 27th May. It would lead to the formation of low-pressure area over same region. Gradually it is predicted to move north northwestwards along the Odisha coast and may lead to enhancement of monsoon current over the Bay of Bengal. However, NCEP GFS is indicating development of a lowpressure area over eastcentral BoB on 26th and depression over eastcentral BoB on 27th. Thereafter, it is indicated to move north-northwestwards and cross Bangladesh coast as a deep depression or higher intensity system around 29th May/00 UTC.

Considering all the above, low preobability is assigned to formation of depression over the BoB during 28th-29th May, 2025.



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