



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 26.05.2025

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 26.05.2025 BASED ON 0300 UTC OF 26.05.2025.

LAND:

Yesterday's well-marked low pressure area over south Madhya Maharashtra and adjoining areas of Marathwada & North Interior Karnataka weakened into a low pressure area over Marathwada and adjoining Madhya Maharashtra at 1200 UTC of yesterday, the 25th May 2025. At 0000 UTC of today, the 26th May, 2025, it lay over Marathwada and neighborhood and persisted over same region at 0300 UTC of today, the 26th May, 2025. The associated cyclonic circulation extend upto mid-tropospheric levels tilting southwestwards with height.

BAY OF BENGAL:

A low-pressure area is likely to form over westcentral and adjoining northwest 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	LOW	NIL	NIL	NIL	NIL

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

ARABIAN SEA:

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over eastcentral Arabian Sea off Karnataka-Goa-Konkan-Kerala coast, Lakshadweep Islands, Maldives & Comorin area. Scattered to broken low and medium clouds with embedded weak to moderate convection lay over rest of Arabian 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

Remarks:

The sea surface temperature is 30-32°C over entire the Bay of Bengal (BoB). The Madden Julian Oscillation (MJO) is in phase 4 with amplitude more than 1. Thereafter, it is likely to enter into 5 with amplitude remaining more than 1 during next 4-5 days. The guidance from NCICS model indicate strong westerly wind anomaly (5-7 mps) over the south Bay of Bengal along with prevalence of Equatorial Rossby wave (ERW) and strong easterly wind anomaly (5-7 mps) over north 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 NCEP GFS, IMD GFS and ECMWF are indicating the remnant of existing low pressure area over Marathwada 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 around 28th May. Gradually it is predicted to move north northwestwards along the Odisha coast and then nearly northwards. It may lead to enhancement of monsoon current over the Bay of Bengal. However, against yesterday's run, NCEP GFS is also indicating development of a low-pressure area over westcentral & adjoining northwest BoB around 28th with initial north-northwestwards movement along the coast and then northeastwards movement towards southeast Bangladesh. No significant intensification is indicated.

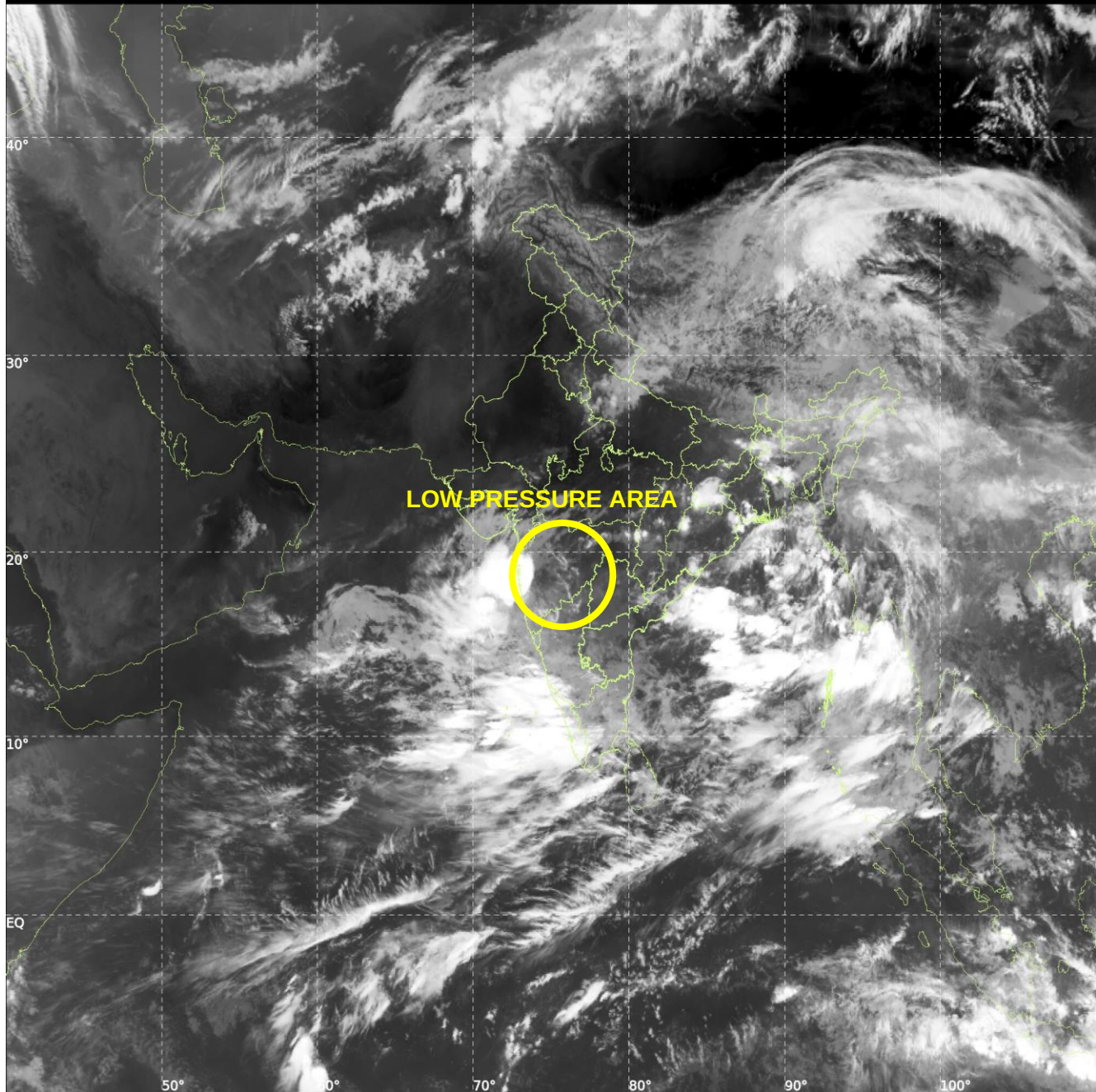
Considering all the above, low probability is assigned to formation of depression over the BoB around 28th May, 2025.



INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 μm
GMT:26-05-2025/(0300-0327) IST:26-05-2025/(0830-0857)
L1C MERCATOR (LINEAR STRETCH: 1%)

391

912



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%
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