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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 26.08.2025

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 26.08.2025 BASED ON 0300 UTC OF 26.08.2025.

BAY OF BENGAL:

Under the influence of yesterday's upper air cyclonic circulation over northwest Bay of Bengal off Odisha-West Bengal coasts, a **low-pressure area** formed over northwest Bay of Bengal off Odisha coast in the morning of 0000 UTC and persisted over the same region at 0300 UTC of today, the 26th August, 2025. The associated cyclonic circulation extended upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to move west-northwestwards and become more marked during the next 2 days.

As per INSAT 3D imagery at 0300 UTC, intense to very intense convection lay over northwest & adjoining westcentral Bay of Bengal and neighbourhood persisted during past 27 hrs (Minimum cloud top temperature (CTT) is minus 70-90 ^{0}C).

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over northwest, southeast & central Bay of Bengal and Andaman Sea. Scattered low and medium clouds with embedded moderate to intense convection lay over northeast & southwest Bay of Bengal.

***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	LOW	LOW	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 weak to moderate convection lay over 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

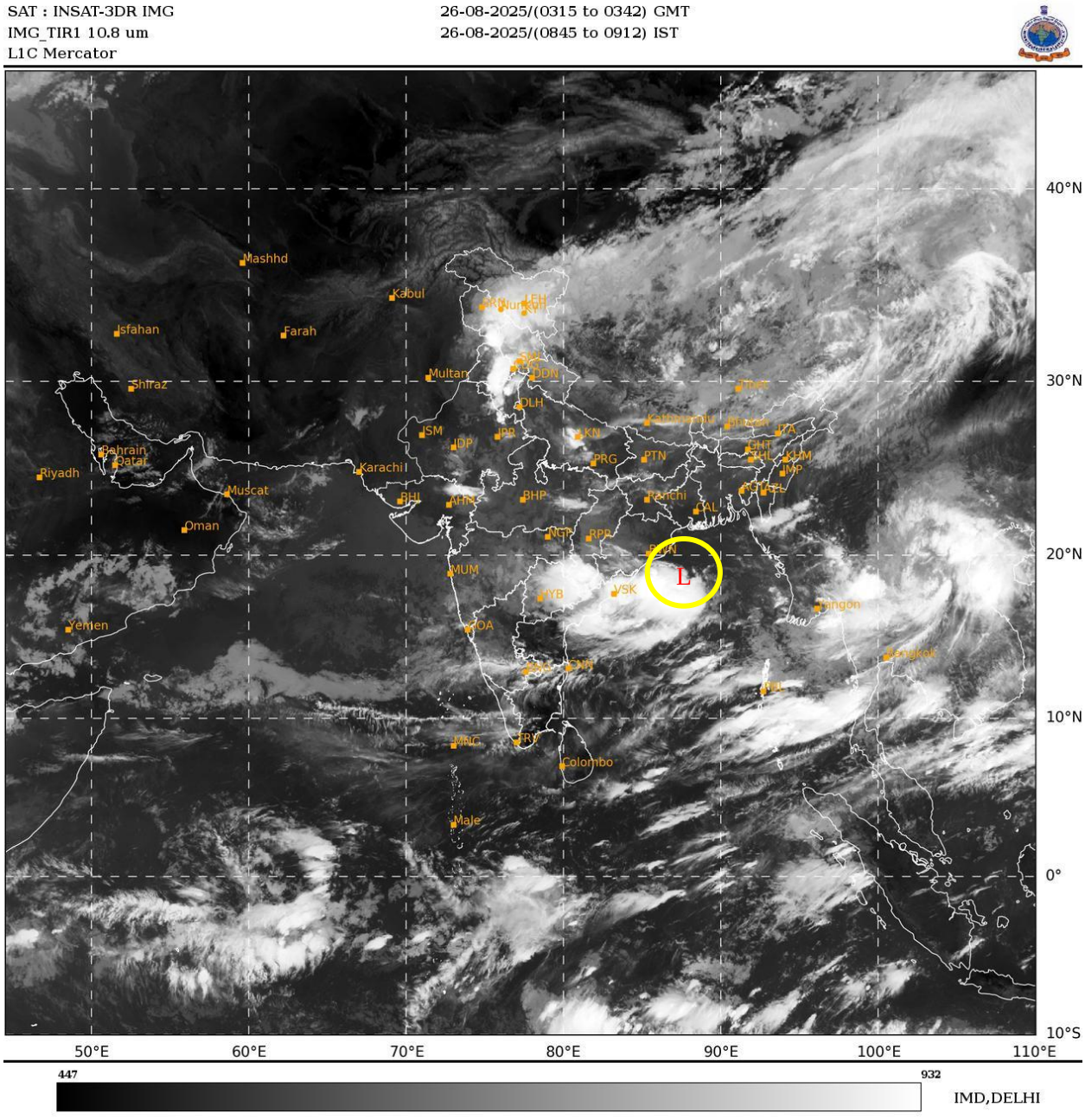
Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C,(b)Moderate:CTT:-25°Cto-40°C,(c)Intense:CTT: -41°Cto -70°Cand(d)Very Intense::Less than -70°C
PROBABILITYOFCYCLOGENESIS(FORMATIONOFDEPRESSION):NIL:0%,LOW:1-33%,,MODERATE:34-66%ANDHIGH:67-100%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

REMARKS: Madden Julian Oscillations (MJO) is in phase 5 with amplitude less than 1. It is likely to continue in same phase during next 2 days thereafter it will move across phase 6. Thus, MJO will support enhancement of convective activity over North Bay of Bengal (BoB) and Indo-Gangetic plains during next 3 days.

The guidance from NCICS model indicates prevalence of westerly wind anomaly (3-5 mps) over BoB and easterly wind anomaly (1-2 mps) over eastern parts of India during 26th -30th August. The Model is also indicating a westward moving Equatorial Rossby waves over BoB and easterward moving Kelvin waves over South BoB during the same period. Thus, Equatorial waves and MJO are likely to support cyclogenesis (formation of depression) over north BoB during next 3 to 4 days.

Most of the models including IMD GFS, NCEP GFS, ECMWF, ECAI, GEFS are indicating Low pressure area over Northwest BoB on 26th August. The models are also indicating nearly northwards movement along the coast during next 2-3 days and west-northwestwards thereafter along the seasonal monsoon trough. Most of the models are not indicating any significant intensification. However, ECAI is indicating formation of depression over northwest BoB on 27th August.

Considering all the above and climatology of the monsoonal Low Pressure systems, Low probability is assigned to formation of depression on day 2 and day 3 (during 27th- 28th August).



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