



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 12.08.2026

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 12.08.2026 BASED ON 0300 UTC OF 12.08.2026.

BAY OF BENGAL:

Yesterday's Low-Pressure Area over the northwest Madhya Pradesh & neighbourhood persisted over the same region at 0300 UTC of today, the 12th August, 2026. The associated cyclonic circulation persisted and extended upto 7.6 km above mean sea level tilting southwards with height.

Under the influence of yesterday's upper air cyclonic circulation over the northwest Bay of Bengal & neighbourhood, a Low-Pressure Area formed over the north Bay of Bengal off West Bengal-Bangladesh coasts at 0000 UTC and it persisted over the same region at 0300 UTC of today, the 12th August, 2026. The associated cyclonic circulation extended upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to become a Well-Marked Low-Pressure Area over the same region during the next 12 hours. Thereafter, it is likely to concentrate into a depression and move northwestwards across West Bengal and adjoining Bangladesh coasts during subsequent 24 hours.

As per INSAT 3D(S), the low-level cyclonic circulation (LLCC) is seen over northeast Bay of Bengal. The intense cloud mass is sheared to the west of LLCC. The distance between the center of LLCC and the sharp edge of intense convective cloud mass is around 1.5° . Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over North Bay of Bengal and moderate to intense convection lay over East Odisha, Gangetic West Bengal and South Bangladesh. Minimum cloud top temperature is MINUS $40-70^{\circ}\text{C}$. Scattered to broken, low and medium clouds with embedded intense to very intense convection also lay over Andaman Sea, Arakan coast, Gulf of Martaban and Tenasserim coast.

***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
MOD	HIGH	-	-	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 moderate to intense convection lay over Gulf of Kutch & Gulf of Cambay, Southeast Arabian Sea, Maldives and Comorin area. Scattered low to medium clouds with embedded isolated weak to moderate convection lay over rest Arabian Sea and Lakshadweep Island area.

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

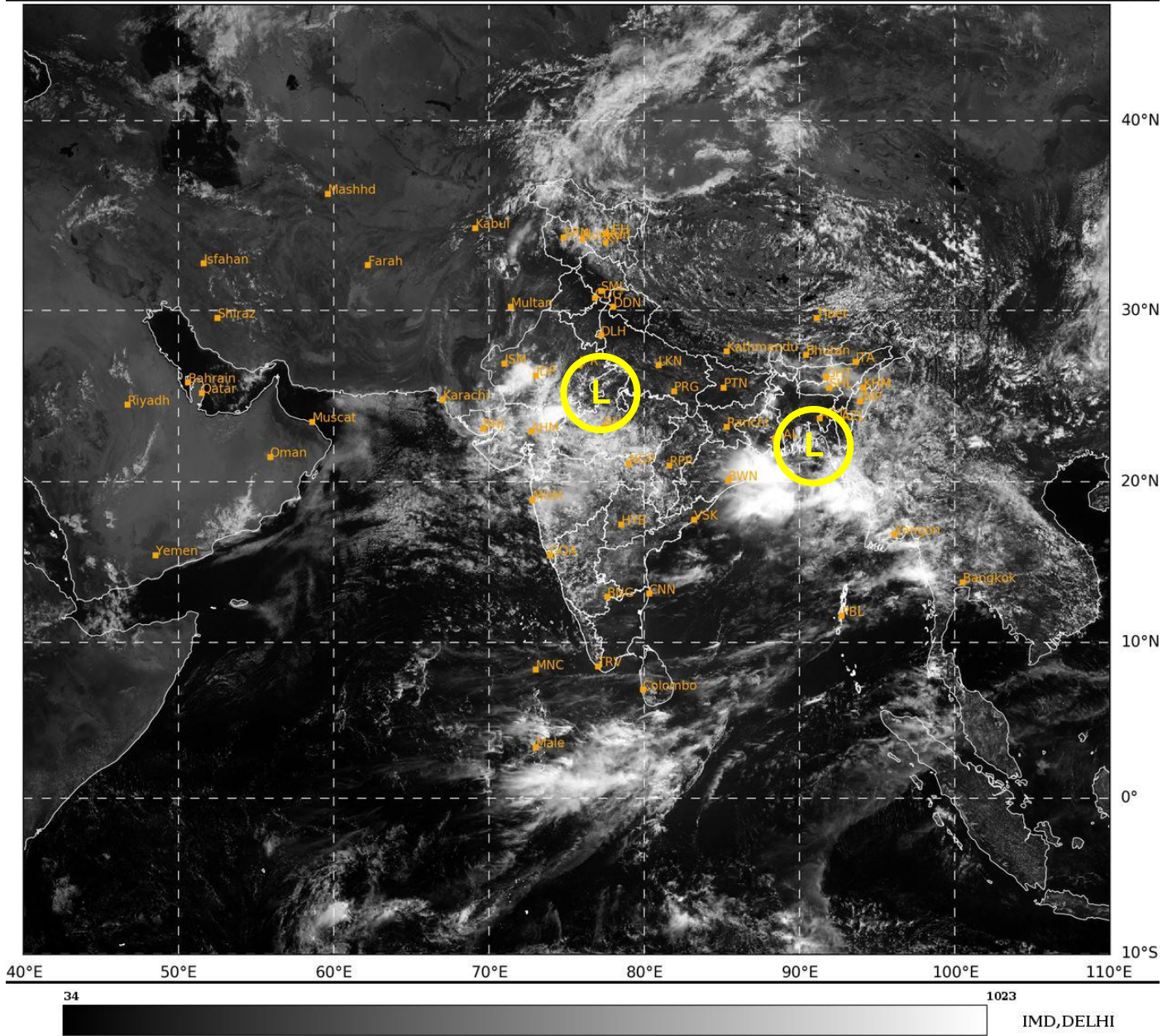
24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
NIL	NIL	NIL	NIL	NIL	NIL	NIL

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

REMARKS:

Madden Julian Oscillation index is in phase 6 with amplitude more than 1. The guidance from NCICS model indicates westerly wind anomaly (5-7 mps) along with prevalence of Equatorial Rossby wave (ERW) over central and south BoB with weak easterly wind anomaly (1-3 mps) over north BoB. The low-level vorticity is about $60-80 \times 10^{-6} \text{ s}^{-1}$ over north Bay of Bengal. Vertically, it is extending up to 500 hPa level, tilting south-westwards with height. The low-level convergence is around $20 \times 10^{-6} \text{ s}^{-1}$ to the southeast of system centre. Upper-level divergence is around $10 \times 10^{-6} \text{ s}^{-1}$ over the system area and is north-south oriented. Vertical wind shear of horizontal wind is moderate (15-20 kt) over the system area and along the expected path. Under these features, a Low-Pressure Area formed over north Bay of Bengal at 0000 UTC of today, the 12th August 2026.

The deterministic ECMWF model is currently indicating a Low-Pressure Area over northeast Bay of Bengal (BoB). It is indicated to move west-northwestwards across West Bengal & adjoining North Odisha coasts till 15th August. GFS group of models is indicating upper air cyclonic circulation over north BoB till 15th August. However, ECMW is indicating high probability of cyclogenesis (formation of Depression) over north BoB around 13th August with initial north-northwestwards movement followed by west-northwestwards movement across Gangetic West Bengal & adjoining north Odisha and Jharkhand. IMD Tropical Cyclone Genesis Potential Parameter (GPP) guidance is also indicating potential zone over north BoB around 12th & 13th August. Considering all these Moderate to High probability has been assigned to cyclogenesis (formation of Depression) during 12th to 13th August.



L: Low Pressure Area