



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

**DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 12.08.2025**

**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 12.08.2025 BASED ON 0300 UTC OF 12.08.2025.**

### **BAY OF BENGAL:**

An upper air cyclonic circulation lay over central parts of Bay of Bengal between 3.1 km & 5.8 km above mean sea level at 0300 UTC of today, the 12th August, 2025. Under its influence a Low-Pressure area is likely to form over westcentral & adjoining northwest Bay of Bengal on 13th August, 2025 and become more marked during subsequent 48 hours.

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over central & south Bay of Bengal and Andaman Sea. Scattered low and medium clouds with embedded weak to moderate convection lay over north 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	NIL	LOW	LOW	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 south Arabian Sea, Lakshadweep Islands area and Comorin area. Weak to moderate convection lay over the rest of the 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:** Cyclogenesis (formation of depression) during 14th-15th August is likely due to favourable phase of Madden Julian Oscillation (phase 3 & 4 with amplitude more than 1) and prevalence of westerly wind anomaly over south & central Bay of Bengal (BoB), easterly wind anomaly over north BoB and Equatorial Rossby Waves over BoB) during 13th-18th August. Most of the models are indicating the likely formation of a low pressure area over westcentral & adjoining northwest BoB during 13th-15th August with nearly north-northeastwards movement along the coast. However, ECMWF is also indicating depression/well marked low pressure area around 14th/15th August. Hence low probability is assigned to cyclogenesis on day 3 & 4.

SAT : INSAT-3DR IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

12-08-2025/(0315 to 0342) GMT  
12-08-2025/(0845 to 0912) IST

