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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 15.05.2026

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 15.05.2026 BASED ON 0300 UTC OF 15.05.2026.

BAY OF BENGAL:

Yesterday's well-marked low pressure area over the southwest and adjoining westcentral Bay of Bengal persisted over the same region at 0300 UTC of today, the 15th May 2026. The associated cyclonic circulation extended upto 5.8 km above mean sea level tilting southwestwards with height.

As per INSAT 3DS imagery at 0300 UTC of 15th May, vortex over southwest & adjoining westcentral Bay of Bengal and neighbourhood lay centered within half degree of 12.5N / 83.0E with intensity as T1.0. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over the south & adjoining central Bay of Bengal, Andaman & Nicobar Islands area, Tamil Nadu, Sri Lanka, Palk Strait, Gulf of Mannar and Comorin area (minimum cloud top temperature minus 70-90 degree Celsius).

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over Gulf of Martaban and Tenasserim coast. Scattered low to medium clouds with embedded moderate to intense convection lay over the north Bay of Bengal and Arakan 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
NIL	NIL	LOW	-	NIL	NIL	NIL

*NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY
"-" Genesis has already occurred

ARABIAN SEA:

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over southeast Arabian Sea off Kerala coast & adjoining Lakshadweep Islands area, Maldives & Comorin area and also over southwest Arabian Sea. Scattered low to medium clouds with embedded isolated weak to moderate convection lay over eastcentral 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°C and (d) Very Intense::Less than -70°C Probability of cyclogenesis (formation of depression) :NIL:0%, LOW:1-33%, MODERATE:34-66% and HIGH:67-100%
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REMARKS:

The cloud top brightness temperature (CTBT) imagery from INSAT 3D(R) shows intense convective cloud mass over North Tamil Nadu and another over eastcentral BoB and adjoining Myanmar coast.

The guidance from ECMM model indicates that the Madden Julian Oscillation (MJO) index is presently in phase 4 with amplitude close to 1 and is likely to continue in same phase during next 3 days. The sea surface temperature is around 28-29°C over the south and central BoB. The environmental features indicate extension of positive vorticity zone (80-100X$10^{-6}s^{-1}$) upto 500 hPa level. ASCAT winds indicate a cyclonic circulation with associated winds 15-20 kts over southwest & adjoining westcentral BoB.

Most of the numerical models are not capturing the existing well marked low pressure area except IMD GFS and BFS. IMD GFS is showing low pressure area on 15th & 16th, while BFS is showing depression on 17th May.

Considering all the above, a watch is being maintained wrt movement and intensification of the well-marked low-pressure area over southwest & adjoining westcentral BoB. Low probability is assigned to cyclogenesis (formation of depression) around 17th May.

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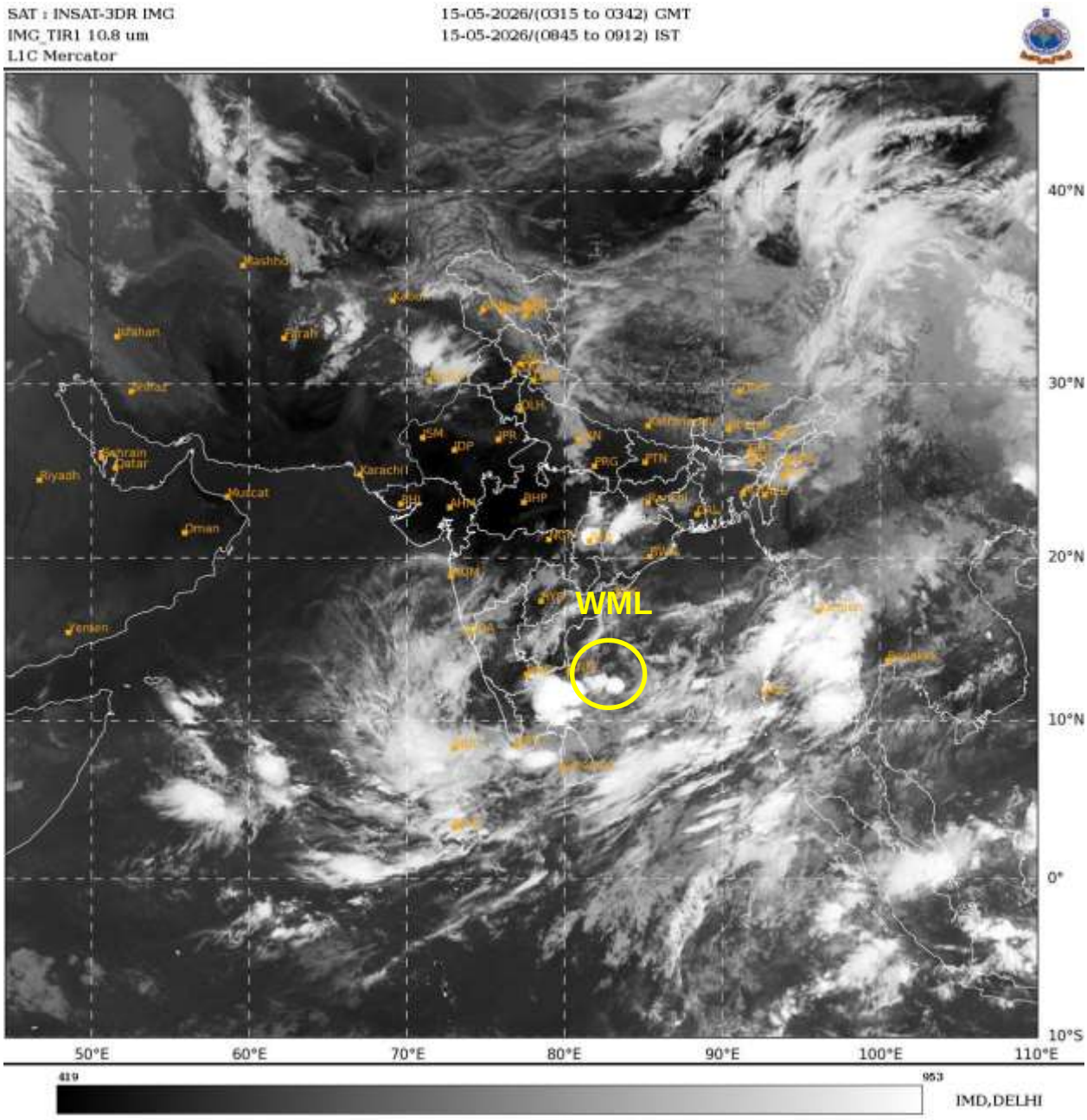

WML: Well Marked Low Pressure Area

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