



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 15.12.2024

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 15.12.2024 BASED ON 0300 UTC OF 15.12.2024.

BAY OF BENGAL:

Yesterday's upper air cyclonic circulation over south Andaman Sea and adjoining areas now lies over south Andaman Sea and adjoining south east Bay of Bengal extending upto 3.1 km above mean sea level at 0300 UTC of today 15th December, 2024. Under its influence, a low pressure area is likely to form over southeast Bay of Bengal during next 24 hours. Thereafter, it is likely to become more marked and move west-northwestwards towards Tamil Nadu coast during subsequent two days. A continuous watch is being maintained for further intensification and movement of the system.

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over south adjoining central Bay of Bengal Andaman Sea & Tenasserim coast. Scattered low and medium clouds with embedded weak to moderate convection lay over rest of 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 | NIL | NIL | NIL | NIL | NIL |

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

ARABIAN SEA:

Yesterday's low-pressure area over Lakshadweep & adjoining Maldives now lies over Lakshadweep and adjoining south east Arabian Sea and extending upto 3.1 km above mean sea level at 0300 UTC of today, the 15th December, 2024.

Scattered low and medium clouds with embedded moderate to intense convection lay over south east Arabian area and Maldives. Scattered low and medium clouds over southwest Arabian Sea central Arabian Sea & Comorin 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: NIL

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°C to -40°C, (c) Intense: CTT: - 41°C to -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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