



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 26.09.2025

TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0900 UTC OF 26.09.2025 BASED ON 0600 UTC OF 26.09.2025.

BAY OF BENGAL:

The well-marked low pressure area over northwest and adjoining central Bay of Bengal persisted over the same region at 0600 UTC of today, the 26th September, 2025. Moving further westwards, it is very likely to concentrate into a depression over northwest and adjoining westcentral Bay of Bengal off South Odisha- North Andhra Pradesh coasts during next 12 hours. It is very likely to cross South Odisha-North Andhra Pradesh coasts around 0300 UTC of 27th September.

As per INSAT 3D imagery at 0600 UTC, the vortex lay centered near 19.0N/87.3E. The intensity is characterised as T1.0. Intense convection is sheared to the west of system centre. Multi-satellite winds indicate stronger winds to the northwest of system centre. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over northwest & westcentral Bay of Bengal, east Orissa, coastal Gangetic west Bay of Bengal, and north coastal Andhra Pradesh. Minimum cloud top temperature is 70 to 90 degree Celsius.

The associated maximum sustained wind speed is 15-20 kt gusting to 30 kt. The estimated central pressure is 1000 hPa.

A ship near 14.0N/87.0E reported mean sea level pressure (MSLP) of 1003.6 hpa and maximum sustained wind speed (MSW) of 232⁰/ 07 kt. Kalingapatnam (43105) reported MSLP of 1001.7 hPa and MSW of 020⁰/ 02 kt, Gopalpur (43049) reported MSLP of 1001.6 hPa and MSW of 240⁰/ 02 kt and Puri (43053) reported MSLP of 1001.0 hPa and MSW of 360⁰/ 02 kt.

***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	MOD	NIL	NIL	NIL	NIL	LOW

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

Wind warnings and Sea condition:

Squally weather with wind speed reaching 35-45 gusting to 55 kmph with moderate to rough sea condition is very likely to prevail over Northwest and Central Bay of Bengal and along & off Andhra Pradesh- Odisha- West Bengal-Bangladesh coasts till evening of 26th September. It would gradually increase becoming squally wind speed reaching 40-50 gusting to 60 kmph with rough to very rough sea conditions over the same region from 26th evening till 27th September afternoon.

Fishermen warnings

Fishermen are advised not to venture into North and Central Bay of Bengal and along & off Andhra Pradesh-Odisha-West Bengal coasts on 26th & 27th September.

ARABIAN SEA:

Scattered low and medium clouds with embedded intense to very intense convection lay over southeast Arabian Sea, Lakshadweep Islands, Maldives and Comorin area. Scattered low and medium clouds with embedded isolated weak to moderate convection lay over central and southwest Arabian Sea.

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NIL	NIL	NIL	NIL	LOW	LOW	NIL

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

REMARKS:

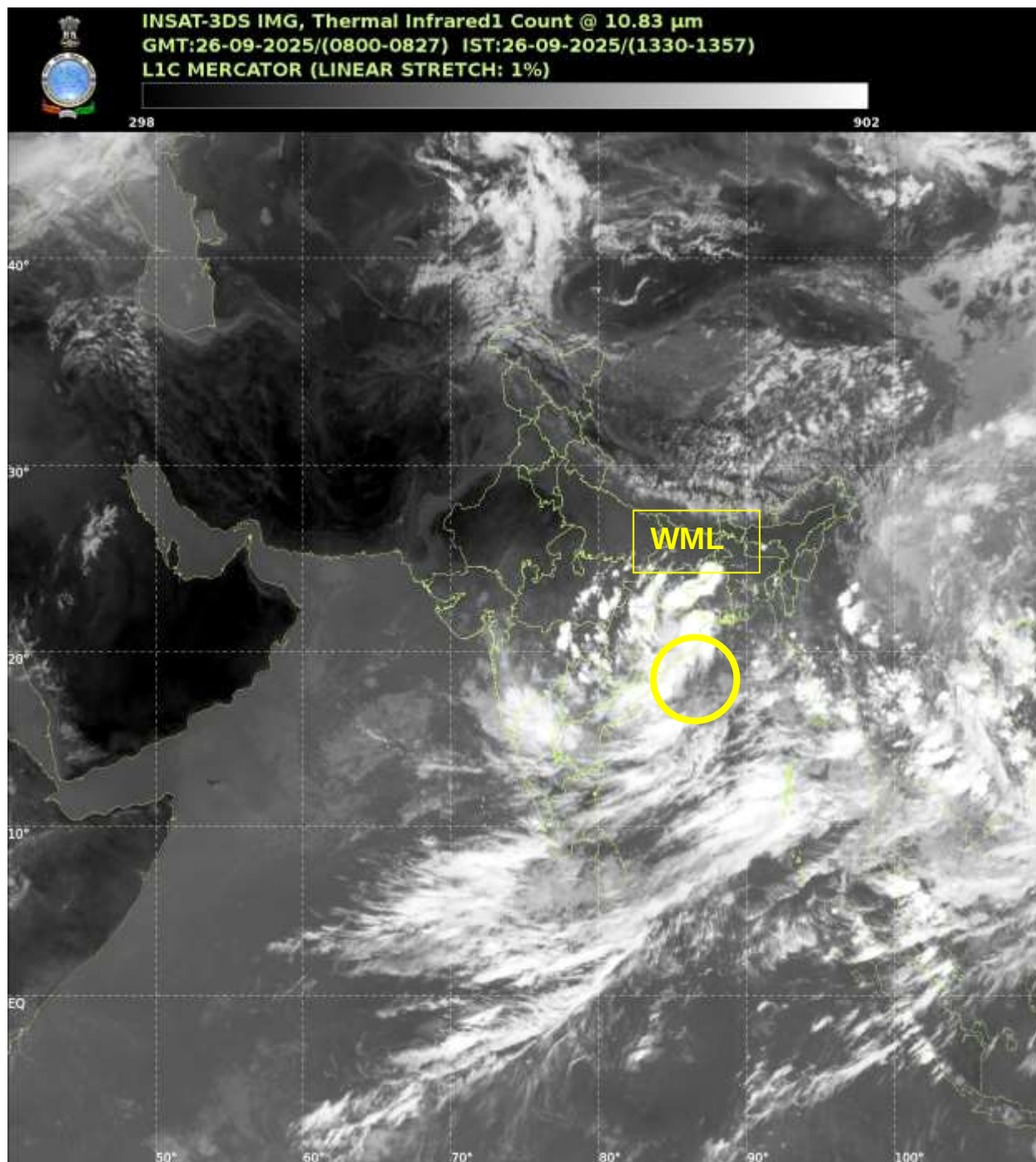
The Madden Julian Oscillation (MJO) is currently in phase 3 with amplitude less than 1. It is likely to continue in same phase with gradually decreasing amplitude during next 2 days. MJO phase is favourable for genesis over the BoB. The guidance from the NCICS CFS model is indicating westerly wind anomaly (5-7mps) and Equatorial Rossby wave (ERW) over south & central Bay of Bengal (BoB) along with easterly winds anomaly (1-3mps) over north BoB during first half of week 1. The model is indicating westerly wind anomaly (5-7mps) over south AS alongwith MJO & ERW during first half of week 1. Thus, the Equatorial Waves over the BoB are phase locked leading to enhanced westerlies in the south and easterlies to the north and thus improve genesis potential parameters like low level vorticity, middle level humidity and deep convection required for genesis.

As per guidance from CIMSS, the low level vorticity is about $100 \times 10^{-6} \text{ s}^{-1}$ over central BoB to the south of system area extending upto 500 hPa level. The low level convergence is around $20 \times 10^{-6} \text{ s}^{-1}$ over central BoB to the south of the system area. The upper level divergence is about $20 \times 10^{-6} \text{ s}^{-1}$ over the same region. The easterlies prevailing in the middle-upper tropospheric levels are steering the system nearly westwards. Both deep and mid layer vertical wind shear (VWS) of horizontal wind are low (05-10 kt) and anticyclonic over the system area and along the predicted path, which is favourable for intensification and maintenance of intensity of this system while moving westwards across central India. Warm moist air incursion into the core is seen from southwest. All these features indicate favourable environment for further intensification of this system into a depression.

Various numerical models are indicating marginal intensification of the system into a depression on 26th and crossing over South Odisha-North Andhra Pradesh coasts around 27th/0300 UTC. Models are also indicating the remnant of this system to emerge into northeast & adjoining eastcentral Arabian Sea around 30th September with gradual intensification thereafter.

Under these favourable conditions, the well-marked low pressure area over northwest and adjoining central Bay of Bengal is very likely to move nearly westwards and concentrate into a depression over northwest and adjoining westcentral Bay of Bengal off South Odisha-North Andhra Pradesh coasts during next 12 hours. It is very likely to cross South Odisha-North Andhra Pradesh coasts around 0300 UTC of 27th September.

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WML: Well Marked Low Pressure Area

Fishermen Warning Graphics

Day 1: 26.09.2025 11:30 AM to 27.09.2025 05:30 AM



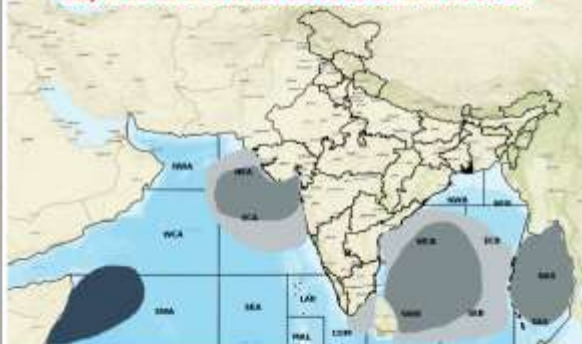
Day 2: 27.09.2025 05:30 AM to 28.09.2025 05:30 AM



Day 3: 28.09.2025 05:30 AM to 29.09.2025 05:30 AM



Day 4: 29.09.2025 05:30 AM to 30.09.2025 05:30 AM



Day 5: 30.09.2025 05:30 AM to 01.10.2025 05:30 AM



Legend

Squally Weather with wind speed 35-45 kmph gusting to 55 kmph	Squally wind with speed 55-65 kmph gusting to 75 kmph
Squally Weather with wind speed 40-50 kmph gusting to 60 kmph	CS with Gale winds with speed 60-80 kmph gusting to 90 kmph
Squally Weather with wind speed 45-55 kmph gusting to 65 kmph	SCS with Gale wind speed 90-110 kmph gusting to 120 kmph
Squally wind with speed 45-55 kmph gusting to 65 kmph	VSCS with Gale wind speed 120-165 kmph gusting to 185 kmph
Squally wind with speed 50-60 kmph gusting to 70 kmph	ESCS with Gale wind speed 165-220 kmph gusting to 245 kmph

Fishermen are advised not to venture into the marked areas.