



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

**DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 28.09.2026**

**SPECIAL TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0400 UTC OF 28.09.2026 BASED ON 0000 UTC OF 28.09.2026.**

### **Sub: Depression over north Andaman Sea & adjoining Myanmar coast**

The Well Marked Low Pressure Area over north Andaman Sea & adjoining Myanmar coast moved north-northwestwards, intensified into a Depression and lay centred at 0000 UTC of today, the 28<sup>th</sup> September 2026 over the same region near latitude 15.6°N and longitude 97.6°E, about 100km south of Mawlamyine (48103, Myanmar), 200km southeast of Yangon (48097, Myanmar), 480km east-northeast of Coco Island (48109, Myanmar) and 590km east-northeast of Mayabandar (Andaman Islands, India).

It is very likely to intensify into a Deep Depression during next 12 hours and continue to move north-northwestwards along & off Myanmar coast towards northeast Bay of Bengal & adjoining Bangladesh coasts during next 3 days.

The estimated central pressure is 1002 hPa and associated maximum sustained wind speed is 25 kt gusting to 35 kt.

Mawlamyine (48103, Myanmar) reported MSLP 1002 hPa, Maximum Sustained Wind (MSW) speed as 40<sup>0</sup>/02 kt and 24 hours pressure change (P24) as -2.4 hpa.

As per INSAT 3D(S), associated scattered to broken low/medium clouds with embedded intense to very intense convection lay over Andaman Islands & Sea, South Myanmar, Thailand and Gulf of Thailand (Minimum Cloud Top Temperature (CTT) is -70 to -90°C).

### **(a) Low pressure area over northern parts of central Uttar Pradesh**

The Low Pressure area over northern parts of central Uttar Pradesh became less marked over the same region at 0000 UTC of today, the 27<sup>th</sup> September 2026. The associated cyclonic circulation extend between 1.5 and 3.1 km above mean sea level.

### **Remarks**

Madden Julian Oscillation index is in phase 1 with amplitude more than 1 and is likely to loop in the same phase during next 7 days with amplitude remaining more than 1. The sea surface temperature (SST) is 29-30°C. The low level vorticity in the lower tropospheric levels is  $150 \times 10^{-6} \text{ s}^{-1}$  at 850 around the system centre. Vertically it is extending upto mid-tropospheric level. The lower level convergence has increased in past 12 hours and is around  $40 \times 10^{-6} \text{ s}^{-1}$  to the southwest of system centre. Upper level divergence has increased in past 12 hours and is about  $50 \times 10^{-6} \text{ s}^{-1}$  over the system. The mid shear is low to moderate (10-15kt) over the system area and along the predicted path. The total precipitable water imagery indicates

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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warm moist air incursion into the core. There is good equatorward outflow. Under these favourable features, the system intensified into a depression at 0000 UTC of today.

However, various numerical models are not indicating significant intensification of this system. Models are consistent wrt north-northwestwards movement along and off Myanmar–Bangladesh coasts towards northeast Bay of Bengal & adjoining Bangladesh during next 2-3 days.

**Guidance from numerical models:**

Based on the observations and guidance from various numerical models:

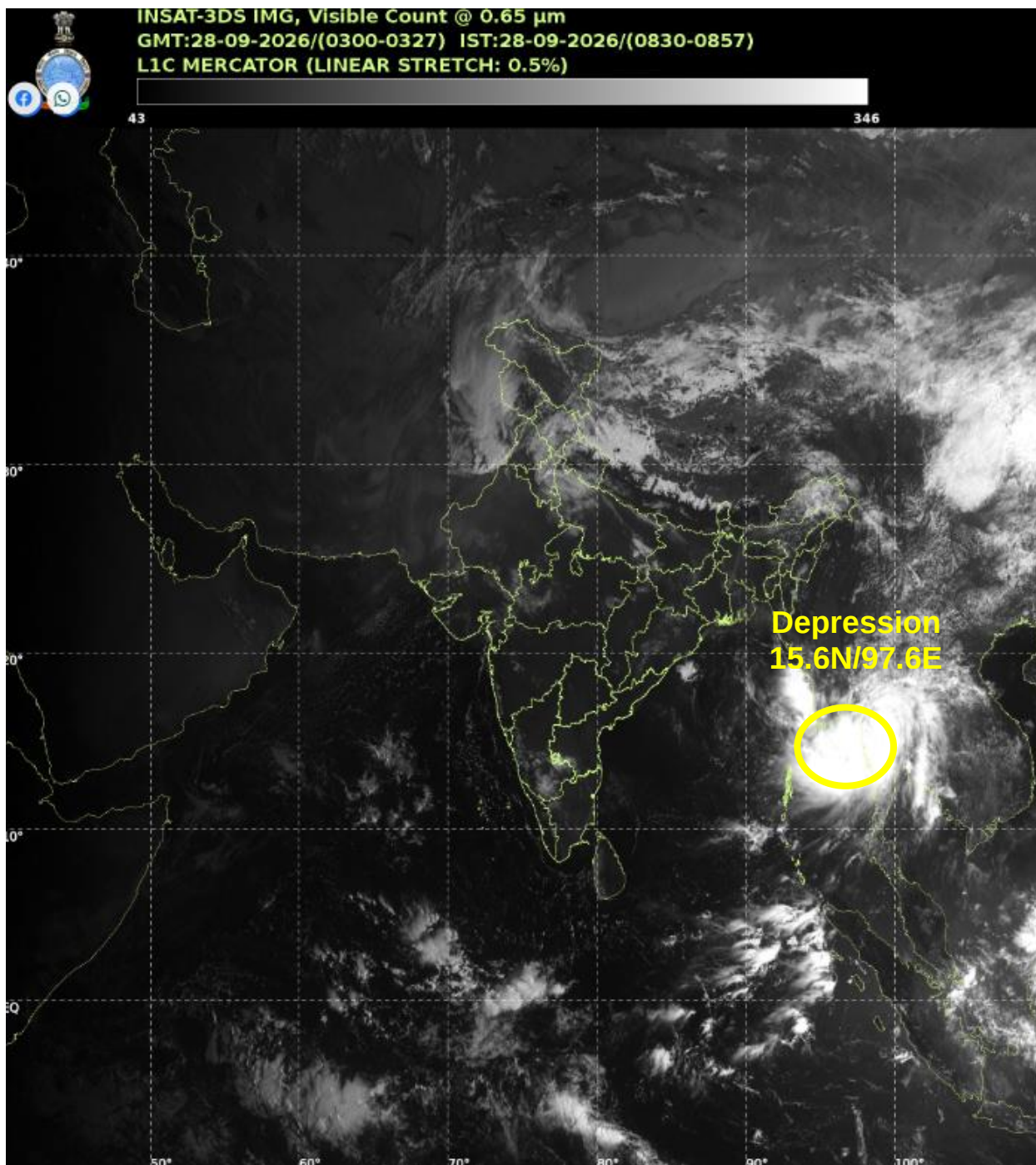
Confidence Level in estimation of current location and intensity: **High**

Confidence Level in prediction of forecast track: **Mod**

Confidence Level in prediction of forecast intensity: **Mod**

Considering all the above, it is inferred that the depression over North Andaman Sea and adjoining Myanmar coast is very likely to intensify into a Deep Depression during next 12 hours and continue to move north-northwestwards along & off Myanmar coast towards northeast Bay of Bengal & adjoining Bangladesh coasts during next 3 days.

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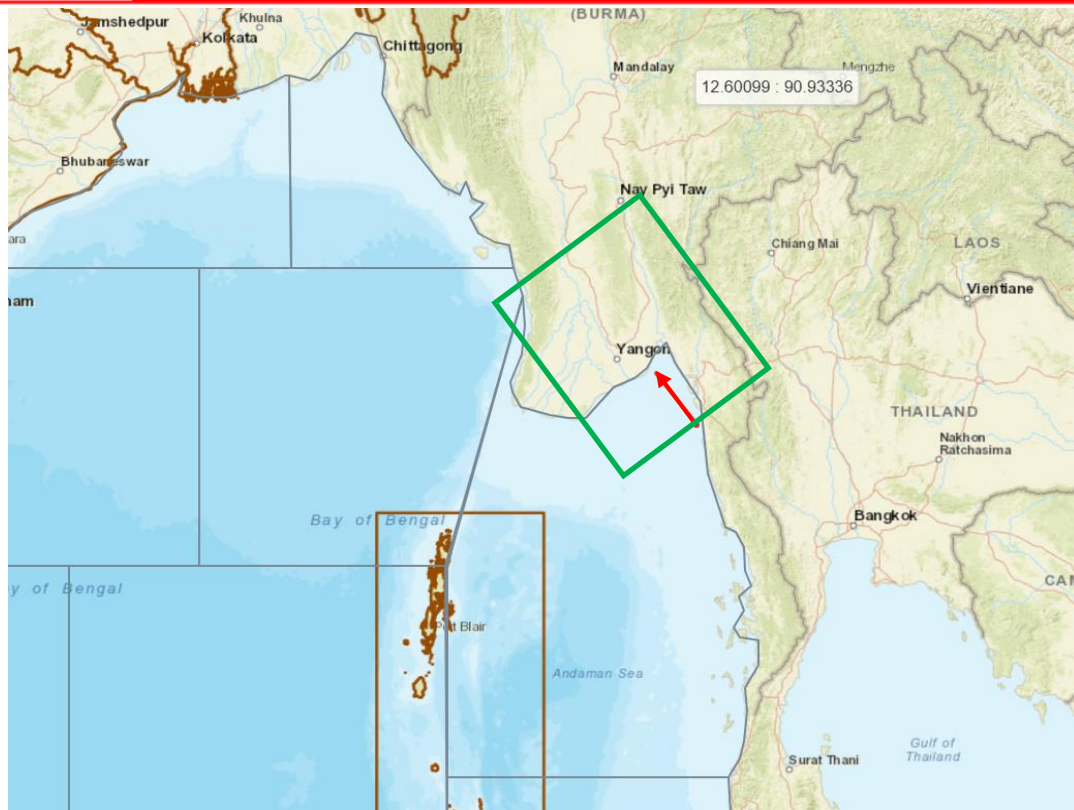
## D: DEPRESSION

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**OBSERVED AND FORECAST TRACK ALONGWITH PROBABLE AREA OF UNCERTAINTY OF DEPRESSION OVER NORTH ANDAMAN SEA AND ADJOINING MYANMAR COAST BASED ON 0000 UTC (0530 Hrs. IST) OF 28TH SEPTEMBER 2026**



DATE/TIME IN UTC

IST= UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63 KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM ( $\geq 120$  KT)

● LESS THAN 34 KT

● 34-47 KT

●  $\geq 48$  KT

■ OBSERVED TRACK

■ FORECAST TRACK

□ AREA OF UNCERTAINTY