



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

**DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 18.08.2025**

**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 1500 UTC OF 18.08.2025 BASED ON 1200 UTC OF 18.08.2025.**

**Sub: Depression over northwest & adjoining westcentral Bay of Bengal and north Andhra Pradesh - south Odisha coasts**

The well marked low pressure area over westcentral & adjoining northwest Bay of Bengal and north Andhra Pradesh - south Odisha coasts moved northwestwards, concentrated into a depression and lay centred at 1200 UTC of today, the 18th August, 2025, over northwest & adjoining westcentral Bay of Bengal and north Andhra Pradesh - south Odisha coasts, near latitude 18.9°N and longitude 85.0°E, about 40 km south-southeast of Gopalpur (Odisha, 43049) and 110 km northeast of Kalingapatnam (Andhra Pradesh, 43105).

It is likely to continue to move northwestwards and cross south Odisha-north Andhra Pradesh coasts close to south of Gopalpur around 0300 UTC of 19th August, 2025.

Associated maximum sustained wind speed is 20 kt gusting to 30 kt and the estimated central pressure is 993 hPa. Sea condition is rough to very rough over westcentral & adjoining northwest & southwest BoB.

Gopalpur (43049) reported lowest mean sea level pressure (MSLP) of 995.8 hPa, pressure change in past 24 hours (P24) as -0.4 hPa, departure from normal (Dep) as -4.0 hPa and maximum sustained wind speed (MSW) of 90<sup>0</sup>/ 08 kt. Kalingapatnam (43105) reported MSLP of 996.3 hPa, P24 as -0.4 hPa, Dep as -4.2 hPa and MSW of 250<sup>0</sup>/ 03 kt. Visakhapatnam (43150) reported reported MSLP of 997.4 hPa, P24 as -0.7 hPa, Dep as -4.2 hPa and MSW of 230<sup>0</sup>/ 04 kt. Puri (43049) reported MSLP of 997.2 hPa, P24 as +0.5 hPa, Dep as -3.1 hPa and MSW of 90<sup>0</sup>/18 kt. A ship near 19.0N/86.0E reported MSLP of 995 hPa and MSW of 120<sup>0</sup>/18 kt.

The cloud mass is sheared to the south of system centre. As per INSAT 3D imagery at 1200 UTC, the vortex lay over northwest & adjoining westcentral Bay of Bengal off south Odisha & north Andhra Pradesh coasts and neighbourhood. Intensity of the system is T1.5. Strong equatorward outflow is also indicated in satellite imagery. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over Jharkhand, Chhattisgarh, Odisha, Vidarbha, Telangana, north coastal Andhra Pradesh, westcentral & northwest Bay of Bengal. Minimum cloud top temperature (CTT) is minus 70 to 90 °C.

### **ACTION SUGGESTED FOR FISHERMEN:**

Fishermen are advised not to venture into south, central & adjoining northwest Bay of Bengal and south Bay of Bengal and along & off Andhra Pradesh-Odisha-West Bengal-Bangladesh coasts till 19<sup>th</sup> August.

**REMARKS:** Madden Julian Oscillation (MJO) is likely to be in phase 4 with amplitude more than 1 during next 4 days favouring increase in convective clouds. As per guidance from NCICS model,

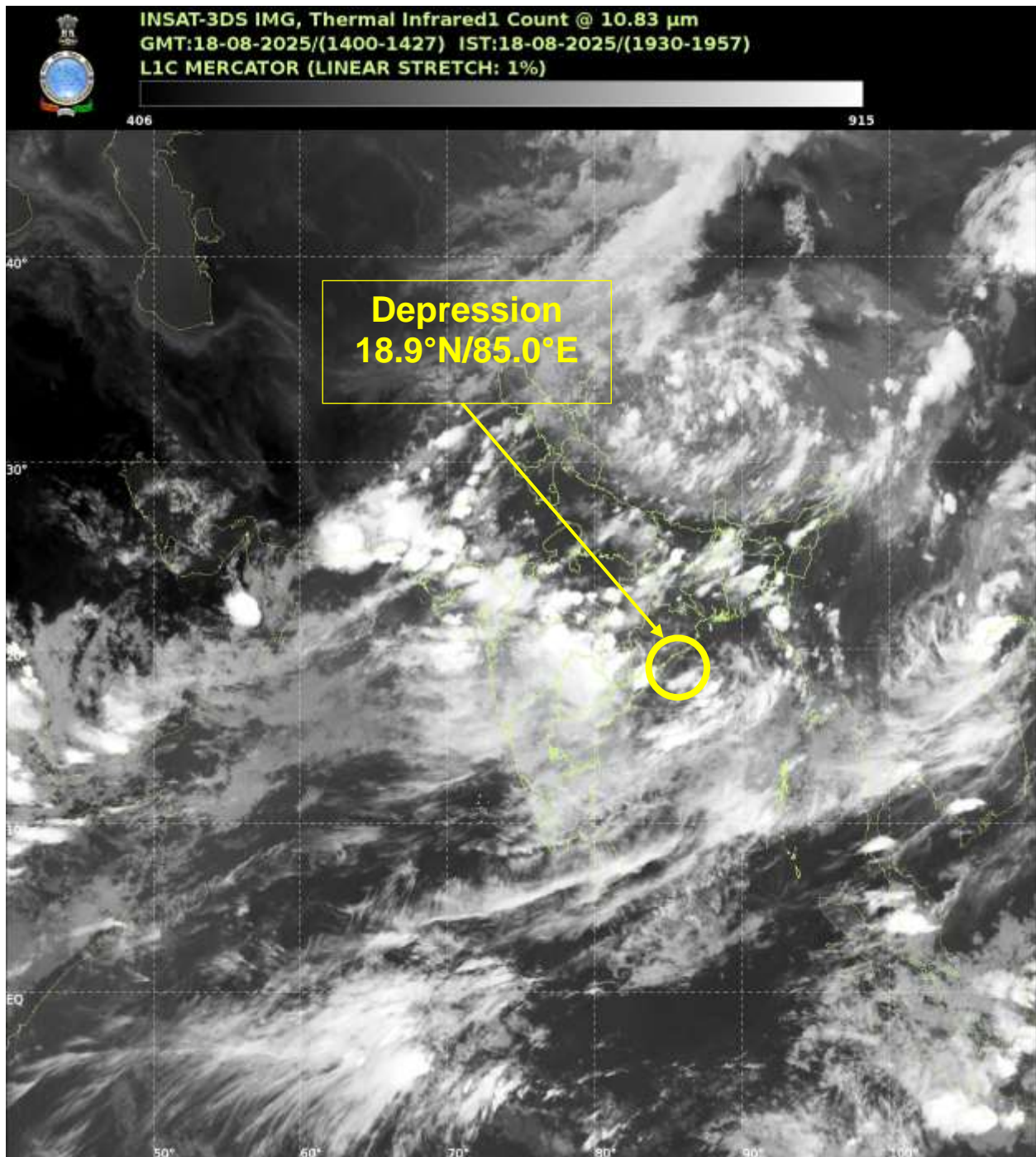
Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C,(b)Moderate:CTT:-25°Cto-40°C,(c)Intense:CTT: -41°Cto -70°Cand(d)Very Intense::Less than -70°C  
PROBABILITYOFCYCLOGENESIS(FORMATIONOFDEPRESSION):NIL:0%,LOW:1-33%,MODERATE:34-66%ANDHIGH:67-100%  
ThisisaguidanceBulletinforWMO/ESCAPPanelMembercountries.VisitrespectiveNationalwebsitesforCountryspecificBulletins

there is likelihood of prevalence of westerly wind anomaly (7-9 mps) over south Bay of Bengal (BoB), easterly wind anomaly (7-9 mps) over north BoB alongwith Equatorial Rossby wave (ERW) over central BoB on 18<sup>th</sup> August. As per guidance from CIMSS, the low level vorticity is about  $90-100 \times 10^{-6} \text{ s}^{-1}$  over westcentral BoB and is extending upto 500 hPa level. The low level convergence has increased and is around  $20 \times 10^{-6} \text{ s}^{-1}$  to the northwest of system centre. The upper level divergence has increased and is around  $30 \times 10^{-6} \text{ s}^{-1}$  to the southwest of system centre. Mid-level vertical wind shear (VWS) of horizontal wind is moderate 15-25 kt over system area. Under these favourable features the well marked low pressure area over westcentral & adjoining northwest BoB concentrated into a depression over northwest & adjoining westcentral BoB at 1200 UTC of today, the 18<sup>th</sup> August.

Latest runs of ECMWF and BFS models are indicating depression over northwest & adjoining westcentral BoB with west-northwetwards movement and crossing around Gopalpur in the forenoon around 0300 UTC of tomorrow the 19<sup>th</sup> August.

Considering all the above, the depression over northwest & adjoining westcentral Bay of Bengal and north Andhra Pradesh-south Odisha coasts is likely to continue to move northwestwards and cross south Odisha-north Andhra Pradesh coasts close to the south of Gopalpur around 0300 UTC of 19th August, 2025.

(M. Sharma)  
Scientist-E  
RSMC New Delhi



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**OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTHWEST & ADJOINING WESTCENTRAL BAY OF BENGAL AND NORTH ANDHRA PRADESH-SOUTH ODISHA COASTS AT 1730 HRS. IST (1200 UTC) OF 18<sup>th</sup> August 2025**



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 (48-63KT)  
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)  
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)  
SuCS: SUPER CYCLONIC STORM ≥ 120 KT

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- ▲ CONE OF UNCERTAINTY



## Fishermen Warning Graphics

