



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

**DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 19.08.2025**

**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 19.08.2025 BASED ON 1200 UTC OF 19.08.2025.**

**Sub: Depression weakened into a well marked low pressure area over central parts of Chhattisgarh & neighbourhood**

The Depression over south interior Odisha moved west-northwestwards, weakened into a well marked low pressure area and lay over central parts of Chhattisgarh & neighbourhood at 1200 UTC of today, the 19th August.

It is likely to continue to move west-northwestwards across Chhattisgarh and weaken further into a low pressure area over East Madhya Pradesh during next 12 hours.

Associated maximum sustained wind speed is 15 kt gusting to 25 kt and the estimated central pressure is 996 hPa.

Rajnandangaon (42948) reported lowest mean sea level pressure (MSLP) of 996.0 hPa, pressure change in past 24 hours (P24) as -4.3 hPa, Pressure Departure of -5.2 hPa and maximum sustained wind speed (MSW) of 270/02 kt.

The cloud mass is sheared to the west of system centre. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over Odisha, Chhattisgarh, Jharkhand & adjoining south Bihar, Madhya Pradesh, Vidarbha, Telangana, northwest & westcentral Bay of Bengal. Minimum cloud top temperature (CTT) is minus 70 to 90 °C. Moderate to intense convection lay over north coastal Andhra Pradesh (Minimum CTT is minus 50 to 70 °C).

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

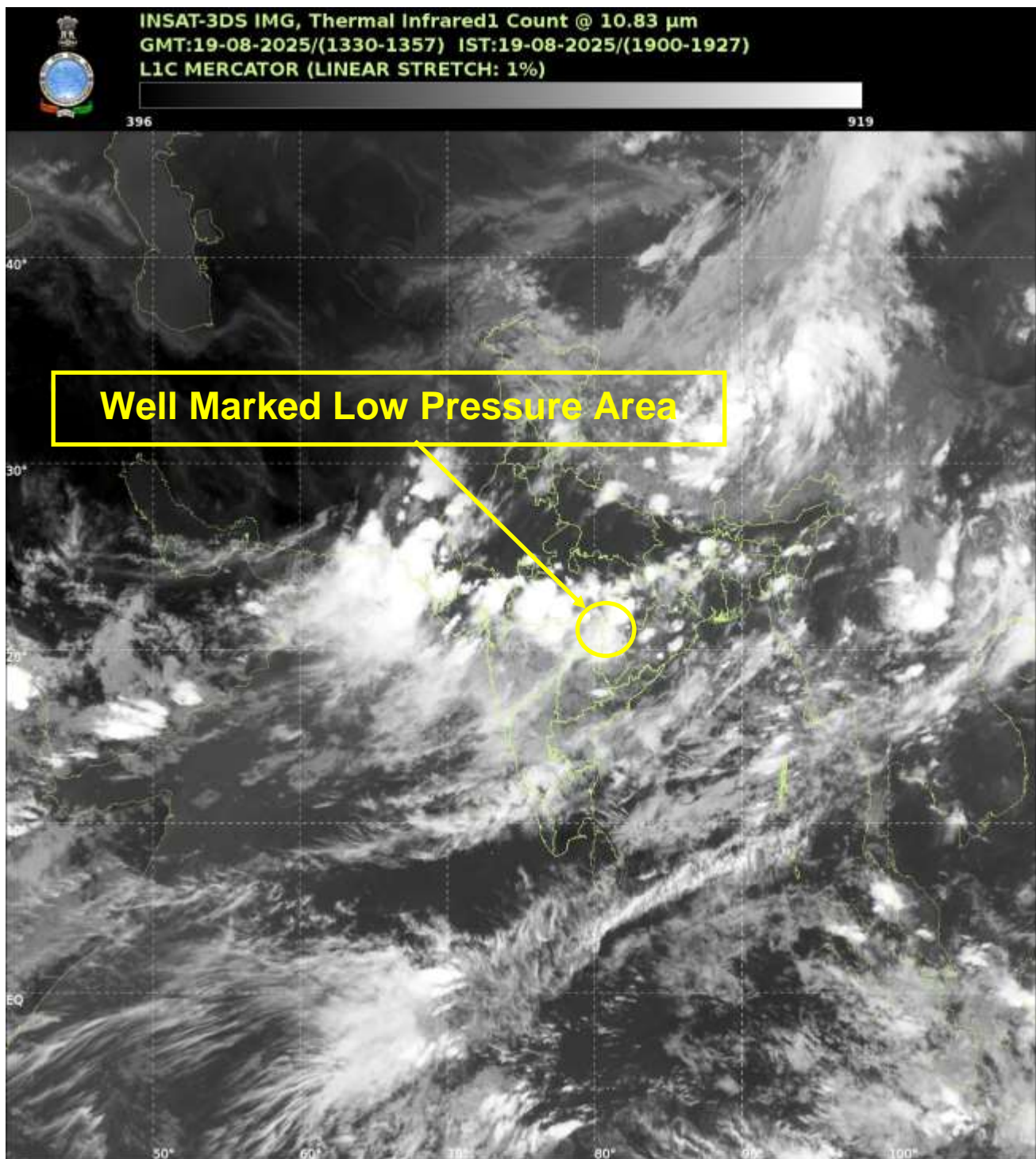
Fishermen are advised not to venture into south, central & adjoining northwest Bay of Bengal and along & off Andhra Pradesh-Odisha-West Bengal-Bangladesh coasts on 19<sup>th</sup> August.

**REMARKS:** Madden Julian Oscillation (MJO) is in phase 4 with amplitude more than 1 favouring increase in convective clouds over Bay of Bengal. As per guidance from CIMSS, the low level vorticity decreased in past 6 hours and is about  $50-60 \times 10^{-6} \text{ s}^{-1}$  over Chhattisgarh extending upto northwest & westcentral Bay of Bengal. The positive vorticity zone is extending upto 200 hPa level. The low level convergence is around  $15-20 \times 10^{-6} \text{ s}^{-1}$  to the southwest of system centre. The upper level divergence 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 high > 25 kt over system area and along the forecast path. Numerical models are indicating west-northwestwards movement and further weakening of the system during next 12 hours.

Under these features the depression over Odisha weakened into a well marked low pressure area over central parts of Chhattisgarh & neighbourhood at 1200 UTC. It is likely to move west-northwestwards across Chhattisgarh and weaken further into a low pressure area over East Madhya Pradesh during next 12 hours.

**This is last update in association with this system.**

(M. Sharma)  
Scientist-E, RSMC New Delhi



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(FORMATION OF DEPRESSION):NIL:0%,LOW:1-33%,MODERATE:34-66%ANDHIGH:67-100%  
 ThisisaguidanceBulletinforWMO/ESCAPPanelMembercountries.VisitrespectiveNationalwebsitesforCountryspecificBulletins



## OBSERVED TRACK OF DEPRESSION OVER NORTHWEST & ADJOINING WESTCENTRAL BAY OF BENGAL AND NORTH ANDHRA PRADESH - SOUTH ODISHA COASTS DURING 18<sup>TH</sup> -19<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  $\geq$  120 KT)



LESS THAN 34 KT



34-47 KT



$\geq$  48 KT



OBSERVED TRACK



FORECAST TRACK



CONE OF UNCERTAINTY



## Fishermen Warning Graphics

