



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 26.07.2025

SPECIAL TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0700 UTC OF 26.07.2025 BASED ON 0300 UTC OF 26.07.2025.

Sub: Depression over north Chhattisgarh and adjoining Jharkhand

Depression over Jharkhand and neighbourhood moved nearly westwards with a speed of 28 kmph during past 6 hours and lay centred at 0300 UTC of today, the 26th July over north Chhattisgarh and adjoining Jharkhand, near Lat. 23.3°N and Long. 84.0°E, about 80 km south of Daltonganj (Jharkhand, 42587), 80 km east of Ambikapur (Chhattisgarh, 42693), 220 km east-northeast of Pendra Road (Chhattisgarh, 42779) and 320 km east of Umaria (Madhya Pradesh, 42679).

It is very likely to continue to move nearly westwards across north Chhattisgarh and east Madhya Pradesh and weaken gradually into a well marked low pressure area by tomorrow, the 27th July, 2025.

Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over East Madhya Pradesh, Chhattisgarh and Vidarbha with minimum cloud top temperature as minus 70°C to 90°C and isolated moderate to intense convection over Bihar, Jharkhand & Odisha with minimum cloud top temperature as minus 30°C to 50°C

The associated maximum sustained wind speed is 25 kt gusting to 35 kt. The estimated central pressure is 991 hPa. Daltonganj reported maximum sustained wind (MSW) speed of 90°/04Kt and mean sea level pressure (MSLP) of 991.8 hPa.

REMARKS:

Madden Julian Oscillation (MJO) is currently in phase 7 with an amplitude greater than 1. Thus, MJO is not likely to support cyclogenesis over BoB.

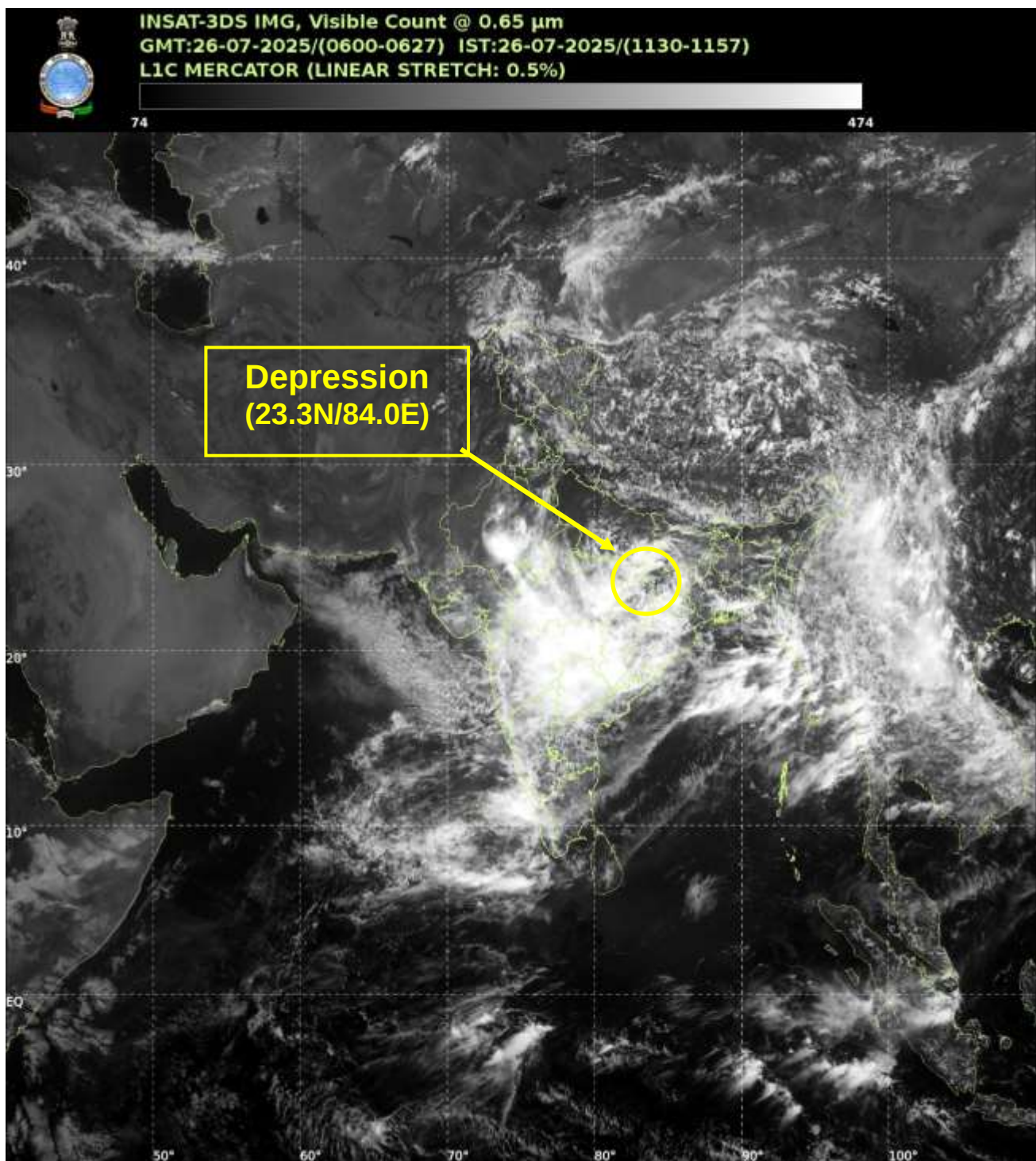
The positive low level vorticity has decreased and is around $80-90 \times 10^{-6} \text{ s}^{-1}$ over east India with vertical extension upto 200 hPa level. Positive low level convergence is same in past 12 hours and is around $10-15 \times 10^{-6} \text{ s}^{-1}$ to the southeast of system centre over Northwest Odisha. Positive upper level divergence is the same in past 12 hours and is around $05-10 \times 10^{-6} \text{ s}^{-1}$ over system centre. Vertical wind shear of horizontal wind is moderate (10-15 kt) over the system area and westwards along the predicted path. The system is being steered nearly westwards by the easterly winds over the system area in the deep layer

(200-850 hPa).

Most of the models are indicating west-northwestwards movement of the system across Chhattisgarh and northeast Madhya Pradesh during next 24 hours. However, isallobaric analysis at 0300 UTC is indicating west-southwestwards movement of the system across Chhattisgarh.

Under these conditions, the depression over north Chhattisgarh and adjoining Jharkhand is very likely to move nearly westwards across north Chhattisgarh and east Madhya Pradesh and weaken gradually into a well marked low pressure area by tomorrow, the 27th July, 2025.

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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



OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH CHHATTISGARH AND ADJOINING JHARKHAND AT 0830 HRS. IST (0300 UTC) OF 26th JULY 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)

1KT=1.85 KMPH

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