



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 28.07.2026

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 0700 UTC OF 28.07.2026 BASED ON 0300 UTC OF 28.07.2026.

Sub: Deep Depression over north interior Odisha and adjoining Gangetic West Bengal

The Deep Depression over north coastal Odisha and adjoining Gangetic West Bengal moved west-northwestwards with a speed of 12 kmph during past 6 hours, and lay centred at 0300 UTC of today, the 28th July 2026, over north interior Odisha and adjoining Gangetic West Bengal, near latitude 21.9°N and longitude 86.8°E, about 10 km southeast of Baripada (42894, Odisha), 40 km north-northwest of Balasore (42895, Odisha), 80 km southwest of Midnapore (42803, West Bengal), 120 km south-southeast of Jamshedpur (42799, Jharkhand) and 140 km east-northeast of Keonjhar (42891, Odisha).

It is very likely to continue to move west-northwestwards across north Odisha, south Jharkhand and north Chhattisgarh during next 24 Hrs.

The estimated central pressure is 990 hPa. The associated maximum sustained wind speed is 30 kt gusting to 40 kt.

Midnapore (42803) reported mean sea level pressure (MSLP) as 996 hPa and maximum sustained wind speed (MSW) as 50⁰/ 0 kt. Jamshedpur (42799) reported MSLP as 992.5 hPa, P24 as -4.6 hPa and MSW as 50⁰/ 04 kt. Keonjhar (42891) reported MSLP as 995.4 hPa and P24 as -3.8 hPa. Balasore (42895) reported MSLP as 997.1 hPa, P24 as -4.0 hPa and MSW as 360⁰/ 03 kt.

As per INSAT 3DS imagery at 0000 UTC of 28th July, associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over north and central Bay of Bengal, Odisha, Gangetic West Bengal and Chhattisgarh, East Madhya Pradesh, East Vidarbha, Telangana and Bangladesh (minimum Cloud Top Temperature is -70 to -90°C).

REMARKS:

The low level vorticity is the same during past 6 hours and is about $150 \times 10^{-6} \text{ s}^{-1}$ over coastal Odisha (India). Vertically, it is extending upto 500 hPa level. The low level convergence has decreased and is around $10 \times 10^{-6} \text{ s}^{-1}$ over North Odisha coast. Upper level divergence has decreased and is around $10 \times 10^{-6} \text{ s}^{-1}$ over Odisha and adjoining Chhattisgarh. Vertical wind shear of horizontal wind is moderate (05-10 kt) over the system area and along the predicted path. Low level wind shear is also (05-10kt). The guidance from NCICS model indicates westerly wind anomaly (5-7 mps) alongwith prevalence of Equatorial Rossby wave (ERW), low frequency

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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background wave(LW) and Kelvin wave (KW) over central & south BoB and easterly wind anomaly (5-7 mps) over north BoB & adjoining East India (Odisha-West Bengal). These features are providing favourable environment for maintenance of intensity of the system.

Guidance from numerical models:

ECMWF model is indicating the system to move west-northwestwards and weaken gradually into a depression by 0000 UTC of 30th July. GFS group is indicating the system to move west-northwestwards and weaken into a low pressure area during next 24 hours. There is consensus wrt movement. However, there is variation among various models wrt weakening.

Based on the observations and guidance from various numerical models:

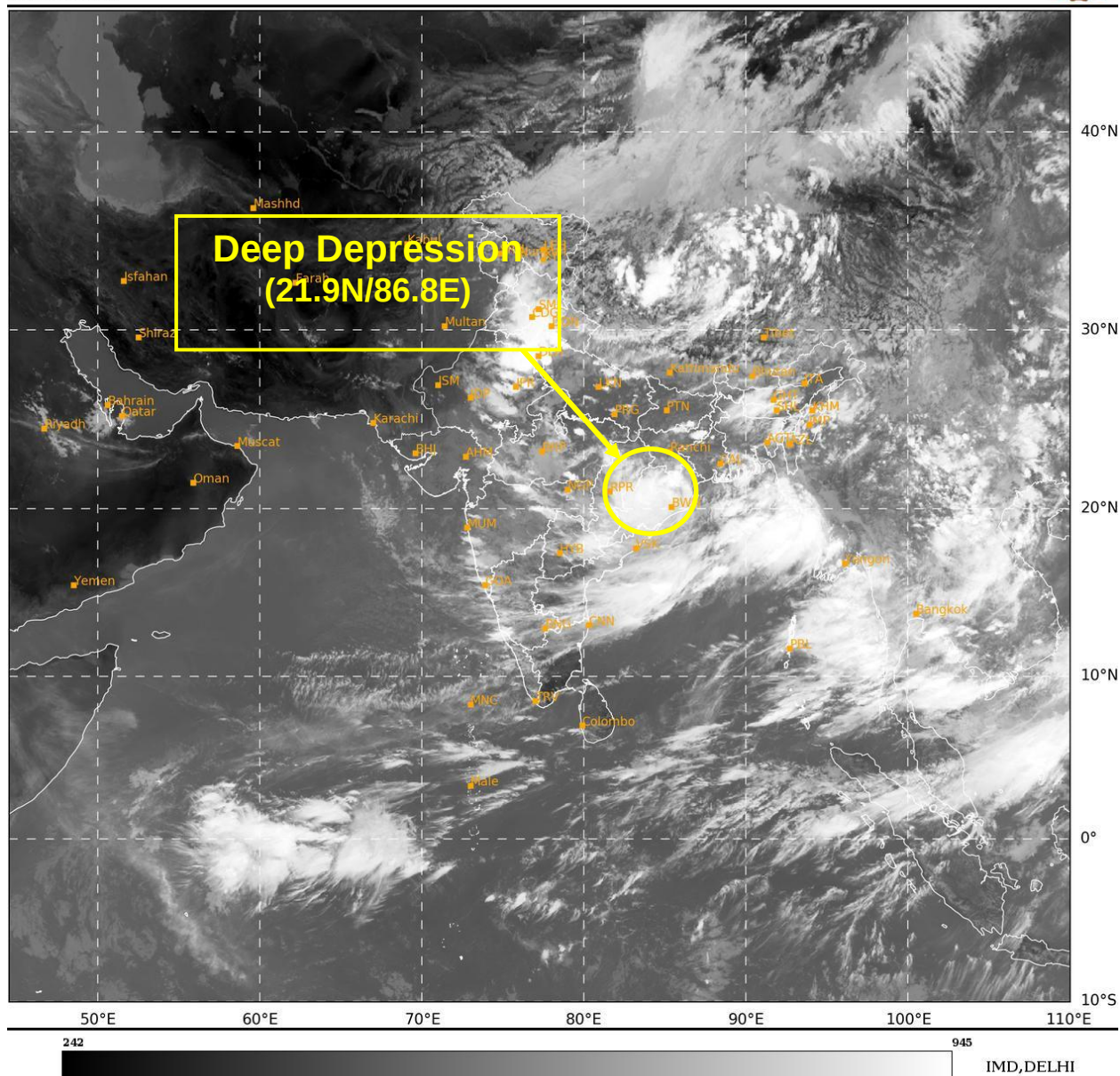
Confidence Level in estimation of current location and intensity: **High**

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

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

Considering all the above, the deep depression over north coastal Odisha and adjoining Gangetic Bengal coast is very likely to continue to move west-northwestwards across north Odisha, south Jharkhand and north Chhattisgarh during next 24 Hrs.

Monica Sharma
RSMC, New Delhi



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OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTH INTERIOR ODISHA AND ADJOINING GANGETIC WEST BENGAL BASED ON 0300 UTC (0830 Hrs. IST) OF 28TH JULY 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 (48-63KT)

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

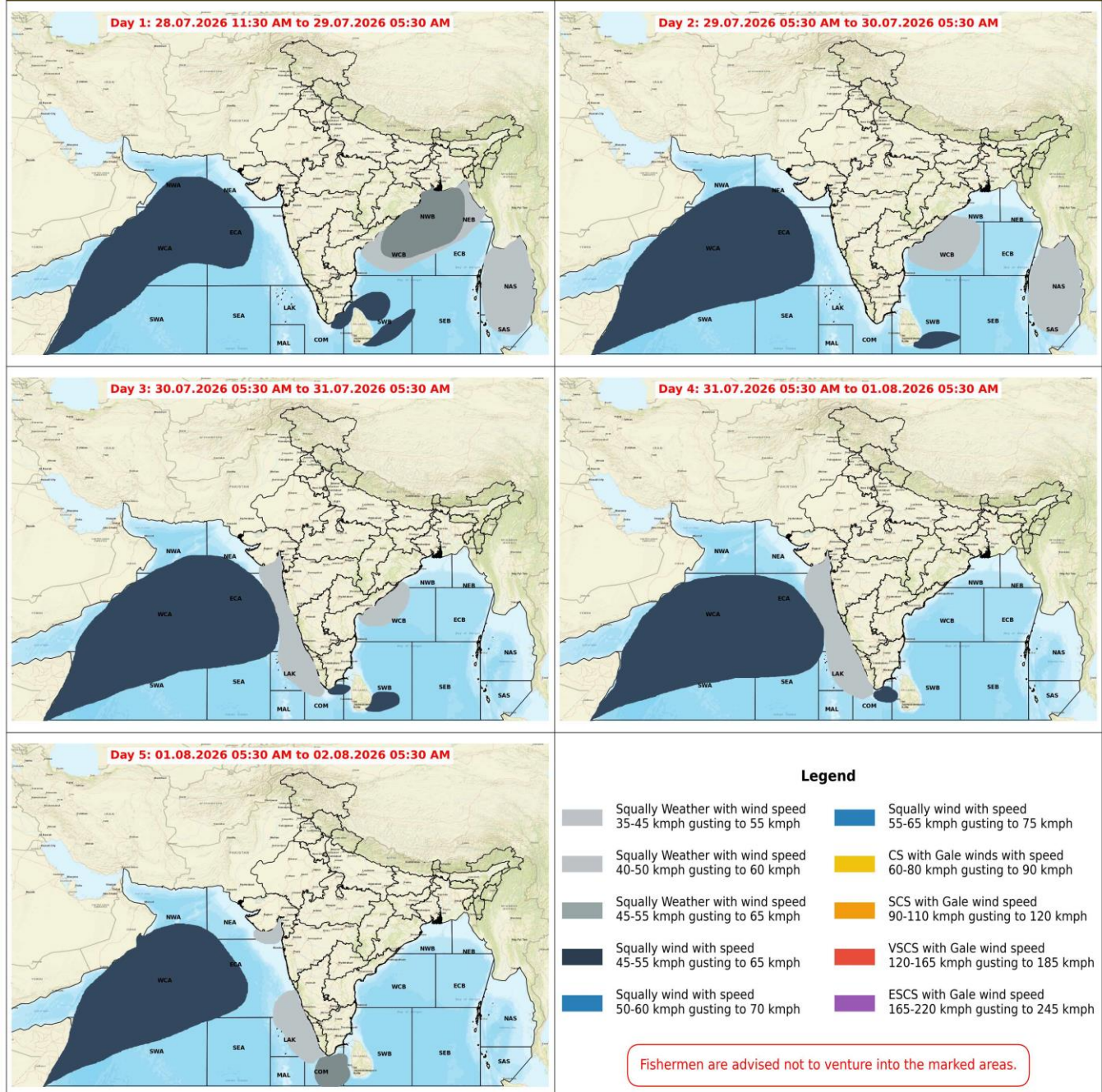
Forecast distance (km) and direction of the centre from nearest 5 coastal stations

Forecast Date and Time	Lead Period (hrs)	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
28.07.26/0300	0	21.9	86.8	BARIPADA (10, SE)	BALASORE (40, NNW)	MIDNAPUR (80, SW)	JAMASEDPUR (120, SSE)	KIONJHARGARH (140, ENE)

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Fishermen Warning Graphics



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