



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 29.07.2026

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 0400 UTC OF 29.07.2026 BASED ON 0000 UTC OF 29.07.2026.

Sub: Deep Depression over north interior Odisha and adjoining areas of south Jharkhand & Chhattisgarh

The Deep Depression over north interior Odisha and adjoining areas of south Jharkhand & Chhattisgarh moved westwards with a speed of 07 kmph during past 6 hours, and lay centred at 0000 UTC of today, the 29th July 2026, over the same region, near latitude 21.9°N and longitude 84.0°E, about 10 km west-southwest of Jharsuguda (42886, Odisha), 50 km north of Sambalpur (42883, Odisha), 60 km east of Raigarh (42884, Chhattisgarh), 100 km west-southwest of Rourkela (42793, Odisha), and 190 km east of Bilaspur (42782, Chhattisgarh).

It is very likely to continue to move nearly westwards across north interior Odisha and north Chhattisgarh during next 24 hours

The estimated central pressure is 992 hPa. The associated maximum sustained wind speed is 30 kt gusting to 40 kt.

Jharsuguda (42886, Odisha) reported MSLP as 992.7 hPa and P24 as -3.8 hPa .

As per INSAT 3DS imagery at 0000 UTC of 29th July, associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over East Madhya Pradesh, Chhattisgarh, Odisha, north and central Bay of Bengal, Gangetic West Bengal and, East Vidarbha, Telangana, coastal Andhra Pradesh, north and central Bay of Bengal (minimum Cloud Top Temperature is -70 to -90°C).

REMARKS:

The low level vorticity has decreased during past 6 hours and is about $100 \times 10^{-6} \text{ s}^{-1}$ to the southwest of system. Vertically, it is extending upto 500 hPa level. The low level convergence has decreased and is around $15 \times 10^{-6} \text{ s}^{-1}$ to west-southwest of system. Upper level divergence has also decreased and is around $15 \times 10^{-6} \text{ s}^{-1}$ to southwest. Vertical wind shear of horizontal wind is moderate 15-20 kt over the system area and along the predicted path. The guidance from NCICS model indicates westerly wind anomaly (7-9 mps) alongwith prevalence of Equatorial Rossby wave (ERW) over south peninsular India and easterly wind anomaly (>9 mps) alongwith Kelvin wave (KW) to its north. These features are providing favourable environment for maintenance of intensity of the system.

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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Guidance from numerical models:

Most of the models (ECMWF, GFS) are capturing the system as a deep depression. It is indicated to move west-northwestwards during next 24 hrs. However, ECMWF is maintaining its intensity for next 24 hrs, while GFS group is weakening it into a depression during next 12 hrs.

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 interior Odisha and adjoining areas of south Jharkhand & Chhattisgarh is very likely** to continue to move nearly westwards across north interior Odisha and north Chhattisgarh during next 24 hours.

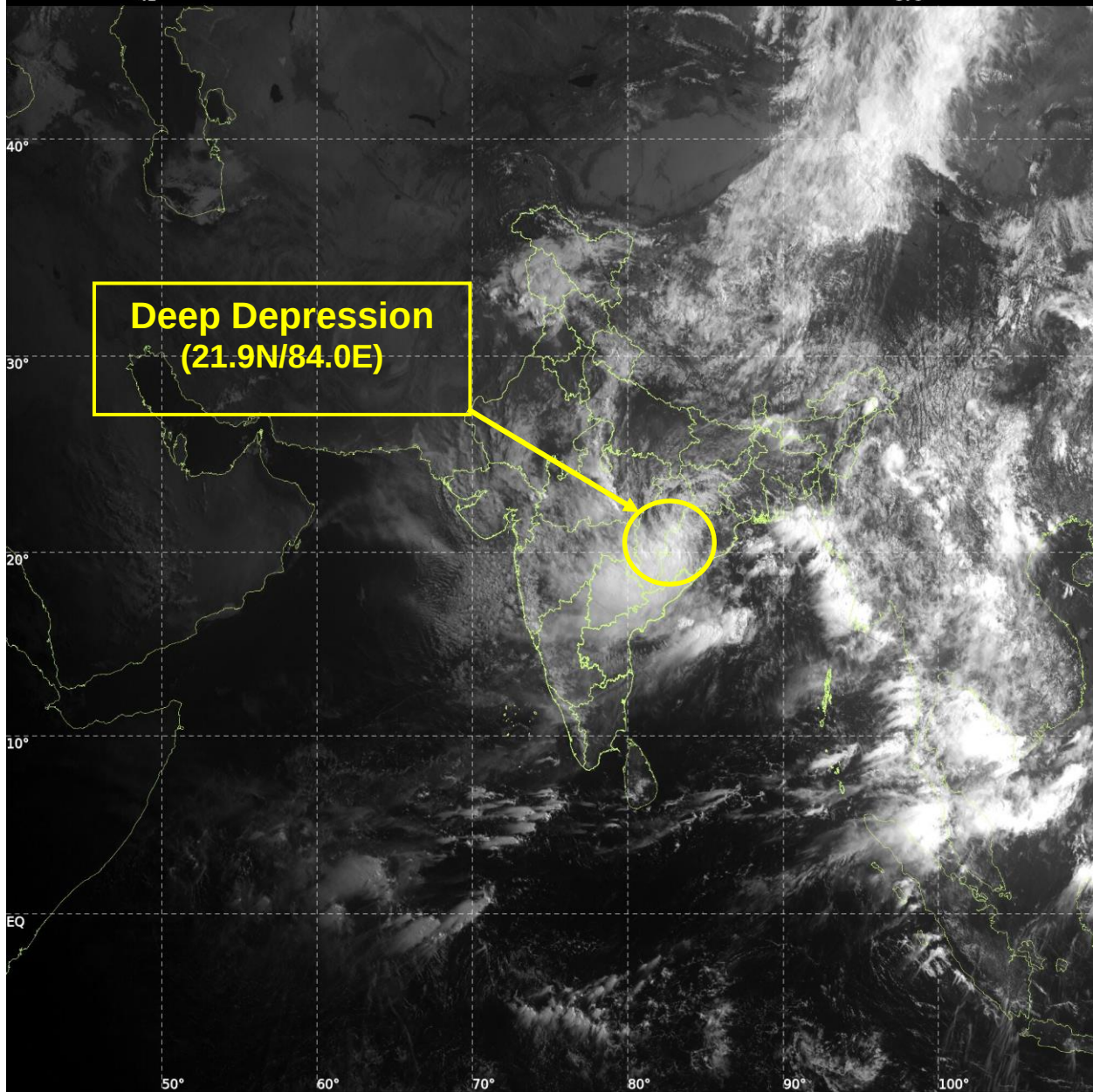
D R Pattanaik
RSMC, New Delhi



INSAT-3DS IMG, Visible Count @ 0.65 μm
GMT:29-07-2026/(0300-0327) IST:29-07-2026/(0830-0857)
L1C MERCATOR (LINEAR STRETCH: 0.5%)

42

378

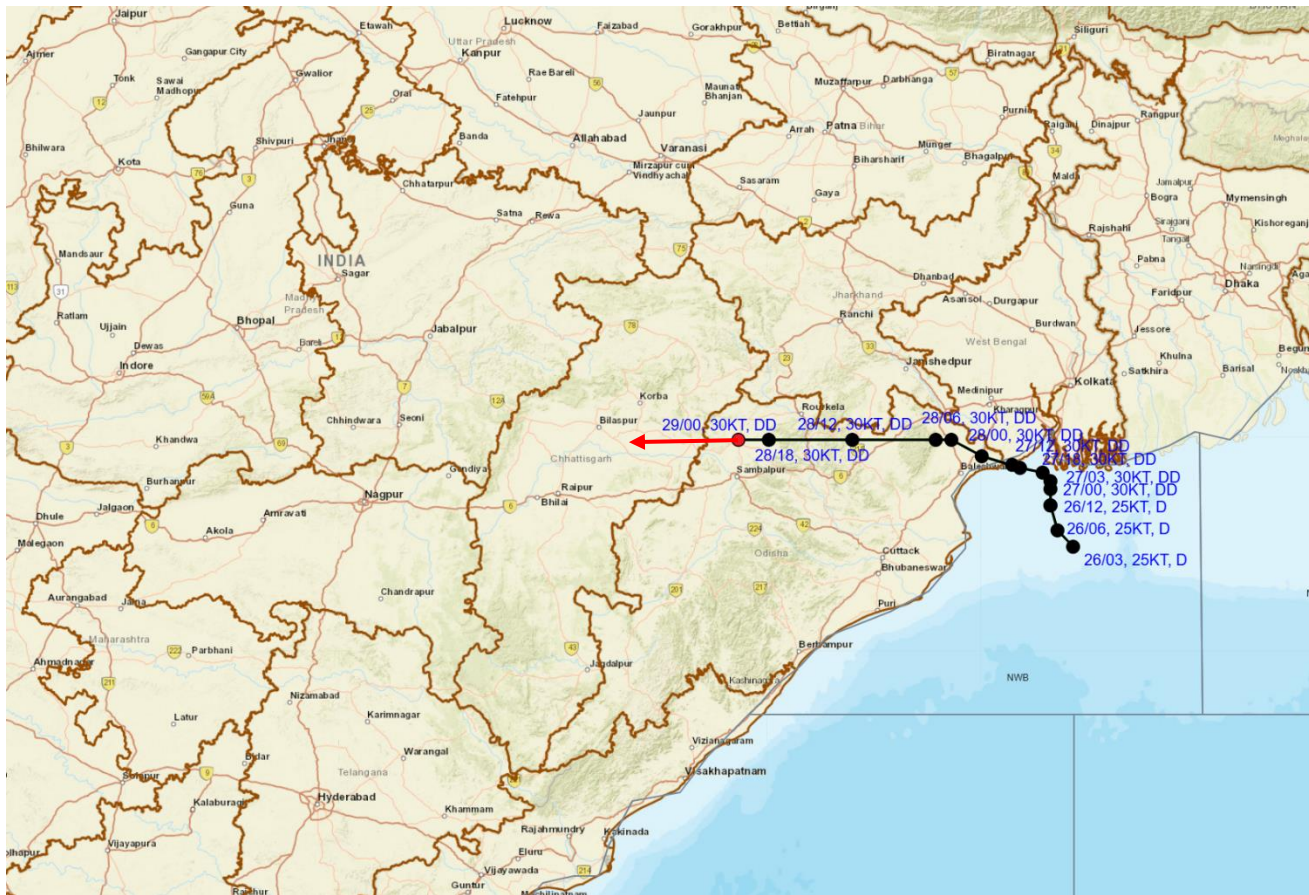


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OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTH INTERIOR ODISHA AND ADJOINING AREAS OF SOUTH JHARKHAND & CHHATTISGARH BASED ON 0000 UTC (0530 Hrs. IST) OF 29TH JULY 2026.



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

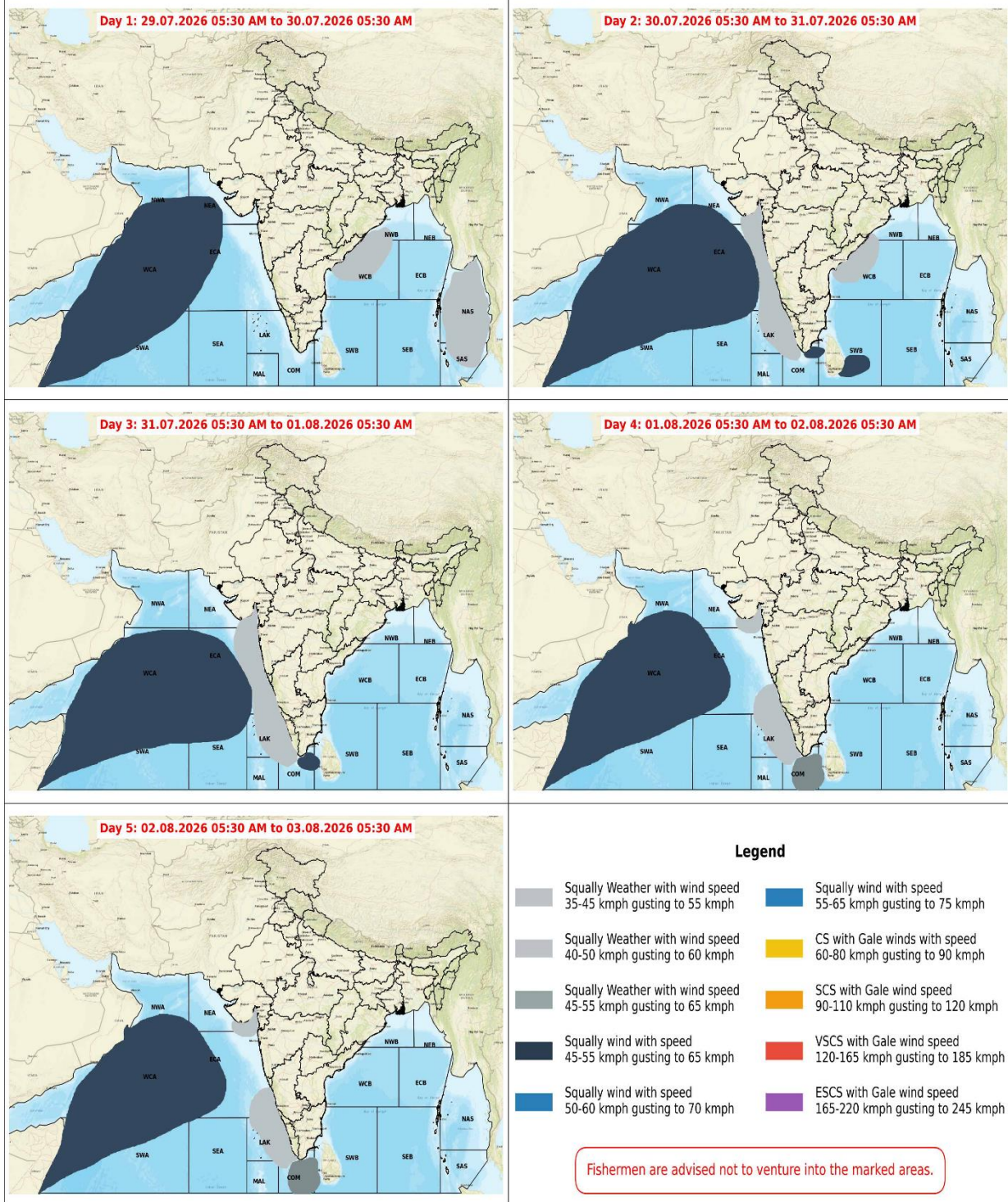
Forecast distance (km) and direction of the centre from nearest 5 coastal stations

Forecast Date and Time	Lead Period (hrs)	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
29.07.26/0000	0	21.9	84.0	JHARSIGUDA (10, WSW)	SAMBALPUR (50, N)	RAIGARH (60, E)	ROURKELA (100, WSW)	BILASPUR (190, E)

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Fishermen Warning Graphics



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