



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 1930 UTC OF 29.07.2026 BASED ON 1800 UTC OF 29.07.2026.

Deep Depression over Western parts of central Chhattisgarh and adjoining east Madhya Pradesh

The Deep Depression over central parts of Chhattisgarh moved westwards with a speed of 15 kmph during past 6 hours, and lay centred at 1800 UTC of today, the 29th July 2026, over Western parts of central Chhattisgarh and adjoining east Madhya Pradesh near latitude 21.9°N and longitude 81.4°E, about 70 km east of Malanjkhanda (42715, Madhya Pradesh), 80 km north of Durg (42876, Chhattisgarh), 80 km west-southwest of Bilaspur (42782, Chhattisgarh), 80 km north-northwest of Raipur (43875, Chhattisgarh), and 130 km east-northeast of Gondia (42871, Maharashtra).

It is very likely to move nearly westwards across Chhattisgarh, east Madhya Pradesh & adjoining Vidarbha and weaken gradually into a depression during next 24 hours.

The estimated central pressure is 994 hPa. The associated maximum sustained wind speed is 30 kt gusting to 40 kt.

Raipur (42874, Chhattisgarh) reported mean sea level pressure (MSLP) as 994.0 hPa, pressure change in past 24 hrs (P24) as -4.9 hPa and maximum sustained wind speed (MSW) as 230⁰/02 kt. Bilaspur (42782, Chhattisgarh) reported MSLP as 995.0 hPa, P24 as -1.6 hPa and MSW as 50⁰/03 kt. Nagpur (42867, Maharashtra) reported MSLP as 996.4 hPa, P24 as -4.9 hPa and MSW as 290⁰/06 kt.

As per INSAT 3DS imagery at 1900 UTC of 29th July, associated scattered to broken low & medium clouds with embedded intense to very intense convection over Madhya Pradesh, Vidarbha, Madhya Pradesh, East Rajasthan, South Chhattisgarh, South Odisha, Telangana, coastal Andhra Pradesh, westcentral Bay of Bengal (minimum Cloud Top Temperature is -70 to -90°C).

REMARKS:

The low level vorticity has increased in past 6 hours and is about $150 \times 10^{-6} \text{ s}^{-1}$ over Chhattisgarh. Vertically, it is extending upto 500 hPa level. The low level convergence increased in past 6 hours and is around $40 \times 10^{-6} \text{ s}^{-1}$ to west-southwest of system. Upper level divergence has decreased slightly and is around $20 \times 10^{-6} \text{ s}^{-1}$ over system area. Vertical wind shear of horizontal wind is moderate 15-20 kt over the system area and is likely to become high along the predicted path, as the system moves westwards towards Madhya Pradesh.

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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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.

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 18 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: **High**

Considering all the above, the deep depression over **central parts of Chhattisgarh is very likely** to move nearly westwards across Chhattisgarh, east Madhya Pradesh & adjoining Vidarbha and weaken gradually into a depression during next 24 hours

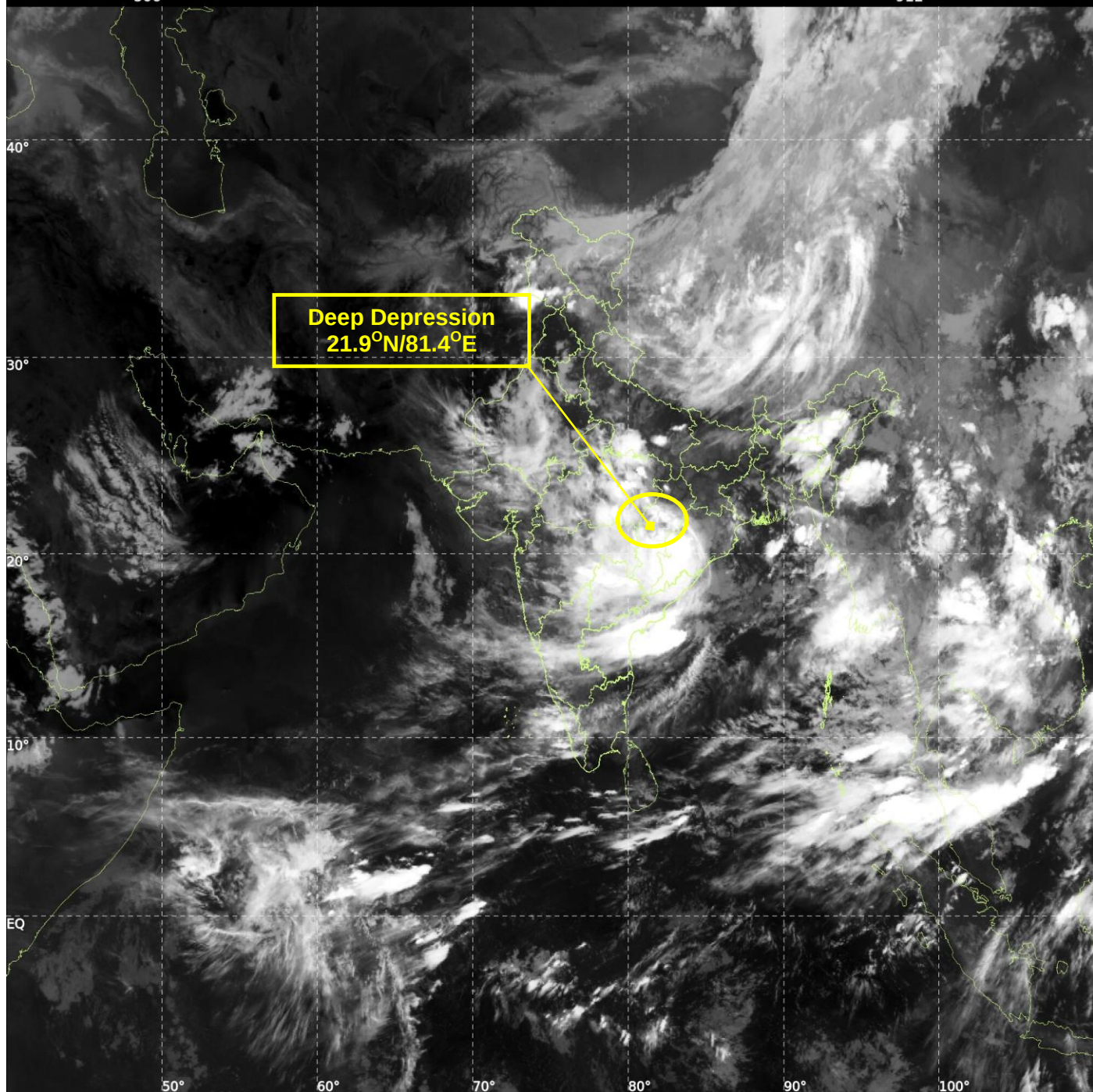
Umasankar Das
RSMC, New Delhi



INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 μm
GMT:28-07-2026/(2030-2057) IST:29-07-2026/(0200-0227)
L1C MERCATOR (LINEAR STRETCH: 1%)

506

912

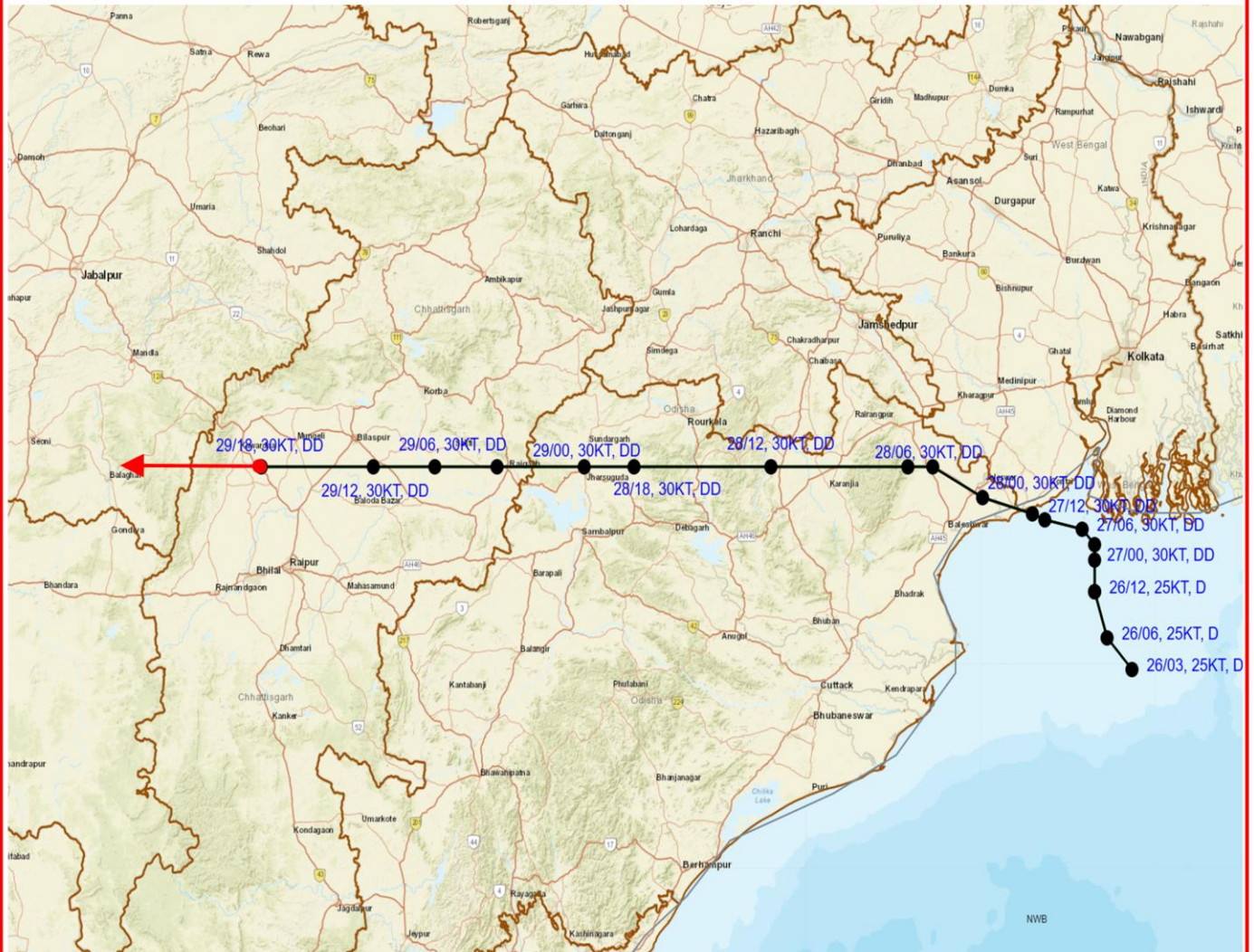


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OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER WESTERN PARTS OF CENTRAL CHHATTISGARH AND ADJOINING EAST MADHYA PRADESH BASED ON 1800 UTC (2330 Hrs. IST) OF 29TH JULY 2026.



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

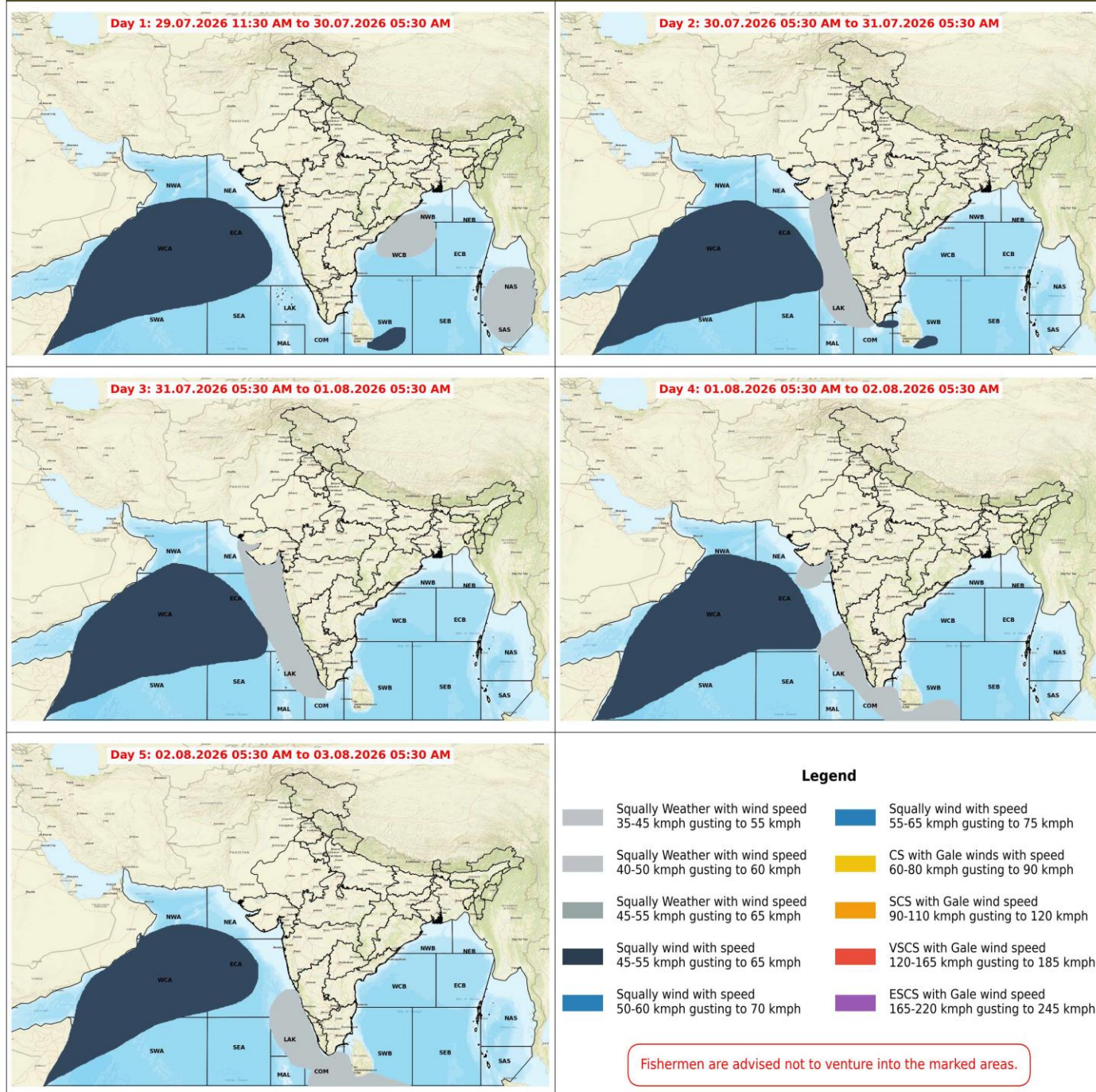
Forecast distance (km) and direction of the centre from nearest 5 coastal stations

Forecast Date and Time	Lead Period	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
29.07.26/1800	0	21.9	81.4	MALANJKHAND (70,E)	BILASPUR (80,WSW)	DURG (80,N)	RAIPUR (80,NNW)	GONDIA (130,ENE)

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Fishermen Warning Graphics



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