



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 1000 UTC OF 29.07.2026 BASED ON 0600 UTC OF 29.07.2026.

Sub: Deep Depression over central parts of Chhattisgarh & adjoining north interior Odisha

The Deep Depression over central parts of Chhattisgarh & adjoining north interior Odisha moved westwards with a speed of 20 kmph during past 6 hours, and lay centred at 0600 UTC of today, the 29th July 2026, over the same region near latitude 21.9°N and longitude 82.8°E, about 20 km southeast of Champa (42783, Chhattisgarh), 60 km west of Raigarh (42884, Chhattisgarh), 70 km east-southeast of Bilaspur (42782, Chhattisgarh), 140 km east-northeast of Raipur (42874, Chhattisgarh) and 220 km east of Malanjkhand (42715, Madhya Pradesh).

It is very likely to continue to move nearly westwards across Chhattisgarh and east Madhya Pradesh during next 24 hours.

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

Nearby stations eg. Raipur (42874, Chhattisgarh) reported MSLP as 994.3 hPa and MSW as 270⁰/3 kt. Bilaspur (42782, Chhattisgarh) reported MSLP as 993.8 hPa and MSW as 360⁰/4 kt.

As per INSAT 3DS imagery at 0600 UTC of 29th July, associated scattered to broken low & medium clouds with embedded intense to very intense convection over south Chhattisgarh, south Odisha, south Gangetic West Bengal, Telangana, coastal Andhra Pradesh, northwest and adjoining westcentral Bay of Bengal (minimum Cloud Top Temperature is -70 to -90°C and moderate to intense convection over Madhya Pradesh, Vidarbha (minimum Cloud Top Temperature is -40 to -70°C).

REMARKS:

The low level vorticity is about $100 \times 10^{-6} \text{ s}^{-1}$ to the southwest of the Deep depression (DD). It is vertically extending upto 500 hPa level. The low level convergence increased in past 3 hours and is $\sim 20 \times 10^{-6} \text{ s}^{-1}$ to west-southwest of DD. Upper level divergence has also increased and is $\sim 30 \times 10^{-6} \text{ s}^{-1}$ 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 DD.

Guidance from numerical models:

Most of the models (ECMWF, GFS) are capturing the system as a deep depression. It is predicted 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 **central parts of Chhattisgarh & adjoining north interior Odisha is very likely** to continue to move nearly westwards across Chhattisgarh and east Madhya Pradesh during next 24 hours.

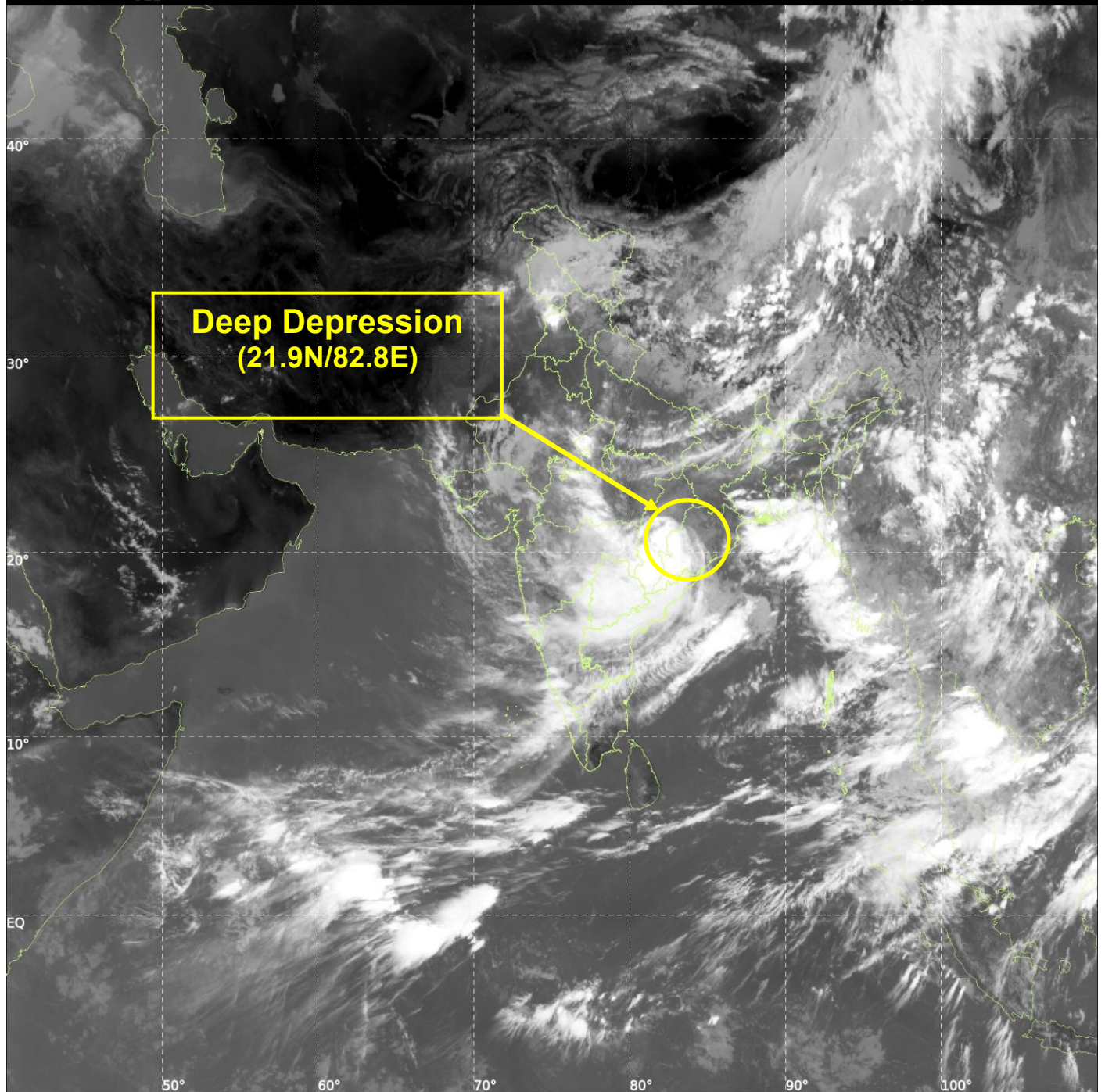
Monica Sharma
RSMC, New Delhi



INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 μm
GMT:29-07-2026/(0600-0627) IST:29-07-2026/(1130-1157)
L1C MERCATOR (LINEAR STRETCH: 1%)

311

904

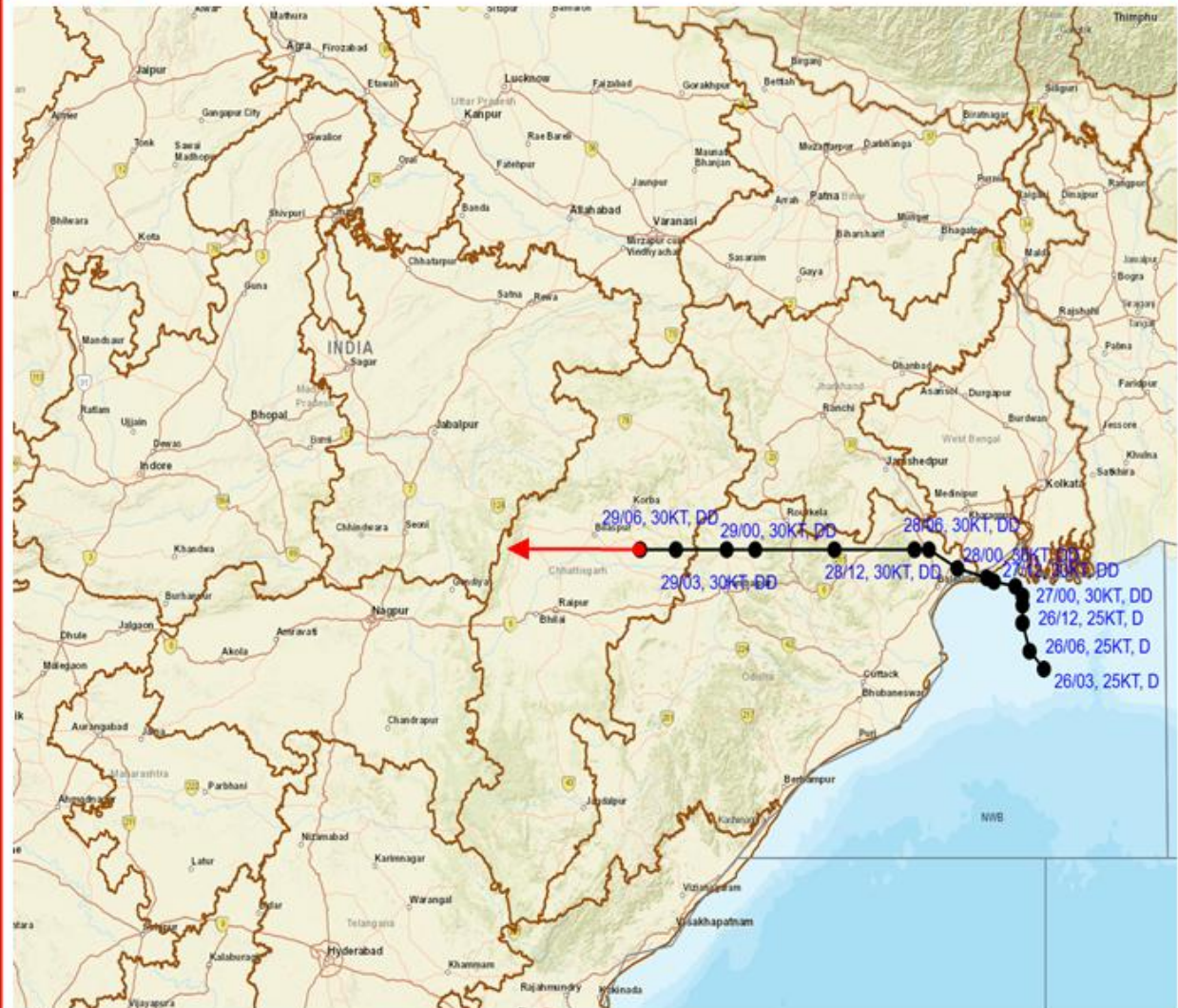


Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C, (b) Moderate: CTT:-25°Cto-40°C, (c) Intense: CTT: -41°Cto -70°C and (d) Very Intense::Less than -70°C Probability of cyclogenesis (formation of depression) :NIL:0%, LOW:1-33%, MODERATE:34-66% and HIGH:67-100%

This is a guidance Bulletin for WMO/ESCAP Panel Member countries. Visit respective National websites for Country specific Bulletins.



OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER CENTRAL PARTS OF CHHATTISGARH AND ADJOINING NORTH INTERIOR ODISHA BASED ON 0600 UTC (1130 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
29.07.26/0600	0	21.9	82.8	CHAMPA (20, SE)	RAIGARH (60, W)	BILASPUR (70, ESE)	RAIPUR (140, ENE)	MALANJKHAND (220, E)

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Fishermen Warning Graphics

