



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 30.07.2026

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 30.07.2026 BASED ON 0600 UTC OF 30.07.2026.

Deep Depression over westcentral Chhattisgarh and adjoining areas of Vidarbha & southeast Madhya Pradesh

The Deep Depression over westcentral Chhattisgarh and adjoining areas of Vidarbha & southeast Madhya Pradesh moved west-southwestwards with a speed of 15 kmph during past 6 hours, and lay centred at 0600 UTC of today, the 30th July 2026, over the same region near latitude 20.9°N and longitude 80.8°E, 30 km southwest of Rajnandgaon (42948, Chhattisgarh), 60 km west-southwest of Durg (42876, Chhattisgarh), 90 km southeast of Gondia (42871, Maharashtra), 100 km east-northeast of Bramhapuri (42946, Maharashtra) and 180 km east-southeast of Nagpur (42866, Maharashtra).

It is very likely to move nearly westwards across Chhattisgarh and weaken gradually into a depression during next 06 hours. Thereafter, it is likely to move west-northwestwards across Vidarbha & adjoining south Madhya Pradesh as a depression during subsequent 24 hours.

The estimated central pressure is 991 hPa. The associated maximum sustained wind speed is 30 kt gusting to 40 kt.

Brahmapuri (42946, Maharashtra) reported mean sea level pressure (MSLP) as 992.5 hPa, pressure change in past 24 hrs (P24) as -4.2 hPa and maximum sustained wind speed (MSW) as 270⁰/02 kt. Nagpur (42866, Maharashtra) reported MSLP as 994.7 hPa. Gondia (42871, Maharashtra) reported MSLP as 993.5 hPa, P24 as -3.2 hPa and MSW as 320⁰/09 kt.

As per INSAT 3DS imagery at 0600 UTC of 30th July, associated scattered to broken low & medium clouds with embedded intense to very intense convection over Madhya Pradesh, Vidarbha, Madhya Pradesh, 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 is the same in past 3 hours and is about $150 \times 10^{-6} \text{ s}^{-1}$ over Chhattisgarh. Vertically, it is extending upto 200 hPa level. The low level convergence is the same in past 3 hours and is around $20 \times 10^{-6} \text{ s}^{-1}$ over the system area. Upper level divergence is the same in past 3 hours 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 as the system moves westwards towards Vidarbha.

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 (3-5 mps) alongwith prevalence of Equatorial Rossby wave (ERW) over south peninsular India and easterly wind anomaly (>9 mps) alongwith passing 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 indicating weakening into a depression by 30th/ 1200 UTC, while GFS group is now indicating weakening into a depression by 30th/0600 UTC and into a low pressure area by 30th/ 1200 UTC.

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**

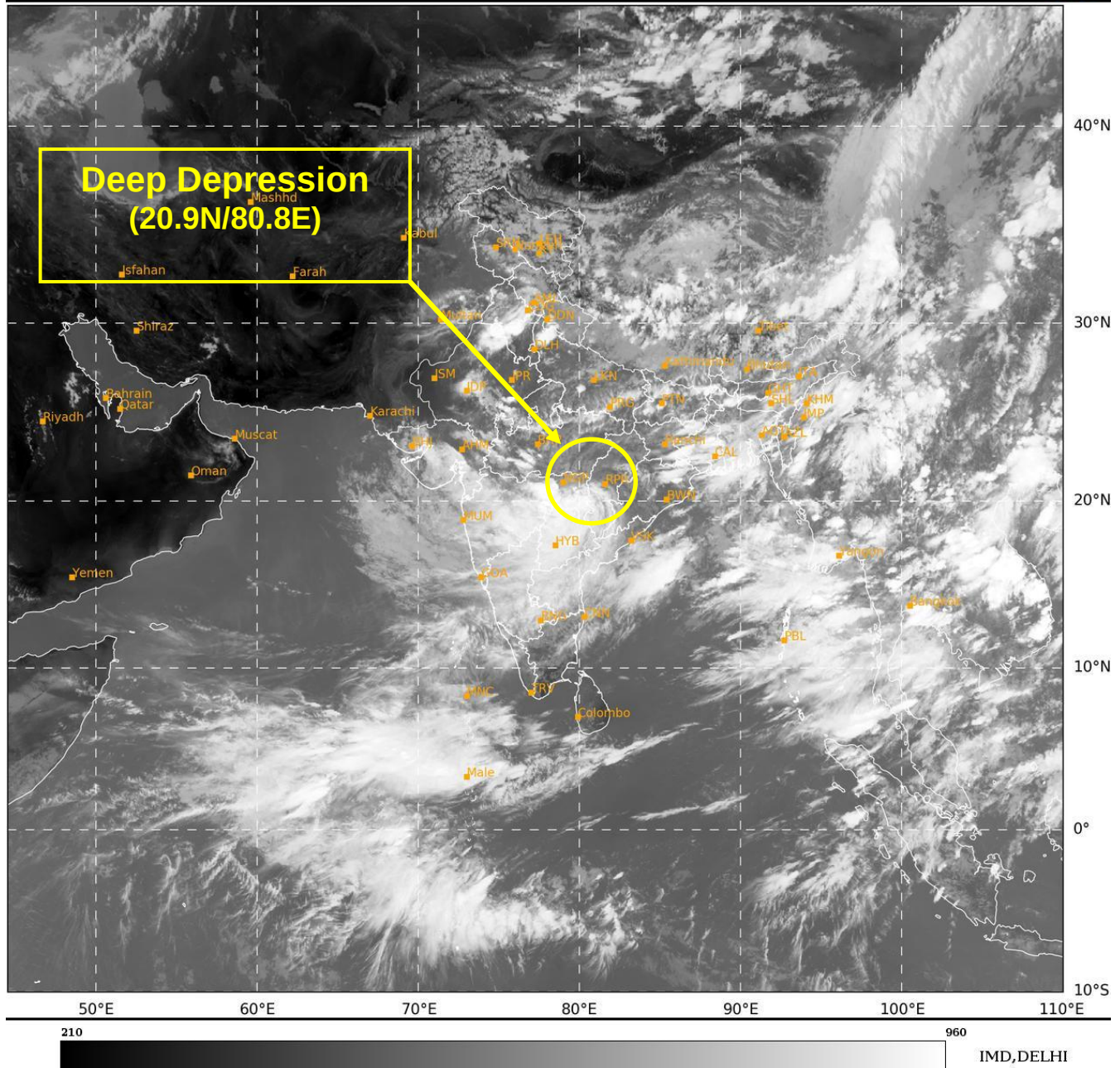
Confidence Level in prediction of forecast intensity: **Moderate**

Considering all the above, the deep depression over westcentral Chhattisgarh and adjoining areas of Vidarbha & southeast Madhya Pradesh is very likely to move nearly westwards across Chhattisgarh and weaken gradually into a depression during next 06 hours. Thereafter, it is likely to move west-northwestwards across Vidarbha & adjoining south Madhya Pradesh as a depression during subsequent 24 hours.

Monica Sharma
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SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

30-07-2026/(0815 to 0842) GMT
30-07-2026/(1345 to 1412) IST



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OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER WESTCENTRAL CHHATTISGARH AND ADJOINING AREAS OF VIDARBHA & SOUTHEAST MADHYA PRADESH BASED ON 0600 UTC (1130 Hrs. IST) OF 30TH 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
30.07.26/0600	0	20.9	80.8	RAJNANDGAON (30, SW)	DURG (60, WSW)	GONDIA (90, SE)	BRAMHAPURI (100, ENE)	NAGPUR (180, ESE)

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