



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 1430 UTC OF 29.07.2026 BASED ON 1200 UTC OF 29.07.2026.

Deep Depression over central parts of Chhattisgarh

The Deep Depression over central parts of Chhattisgarh & adjoining north interior Odisha moved westwards with a speed of 8 kmph during past 6 hours, and lay centred at 1200 UTC of today, the 29th July 2026, over central parts of Chhattisgarh near latitude 21.9°N and longitude 82.3°E, about 30 km south-southeast of Bilaspur (42782, Chhattisgarh), 40 km west-southwest of Champa (42783, Chhattisgarh), 100 km northeast of Raipur (43875, Chhattisgarh), 130 km northeast of Durg (42876, Chhattisgarh), 170 km east of Malanjkhand (42715), Madhya Pradesh and 220 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 992 hPa. The associated maximum sustained wind speed is 30 kt gusting to 40 kt.

Raipur (42874, Chhattisgarh) reported mean sea level pressure (MSLP) as 991.3 hPa, pressure change in past 24 hrs (P24) as -2.6 hPa and maximum sustained wind speed (MSW) as 320⁰/02 kt. Bilaspur (42782, Chhattisgarh) reported MSLP as 991.7 hPa, P24 as -4.1 hPa and MSW as 320⁰/02 kt. Durg (42876, Chhattisgarh) reported MSLP as 991.9 hPa, P24 as -4.7 hPa and MSW as 180⁰/02 kt.

As per INSAT 3DS imagery at 1200 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, Gangetic West Bengal, Telangana, coastal Andhra Pradesh, northwest and adjoining westcentral Bay of Bengal (minimum Cloud Top Temperature is -70 to -90⁰C).

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. The guidance from NCICS model indicates westerly wind anomaly (7-9 mps) alongwith prevalence of Equatorial

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.

Rossby wave (ERW) over south peninsular India and easterly wind anomaly (>9 mps mps) along with 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**

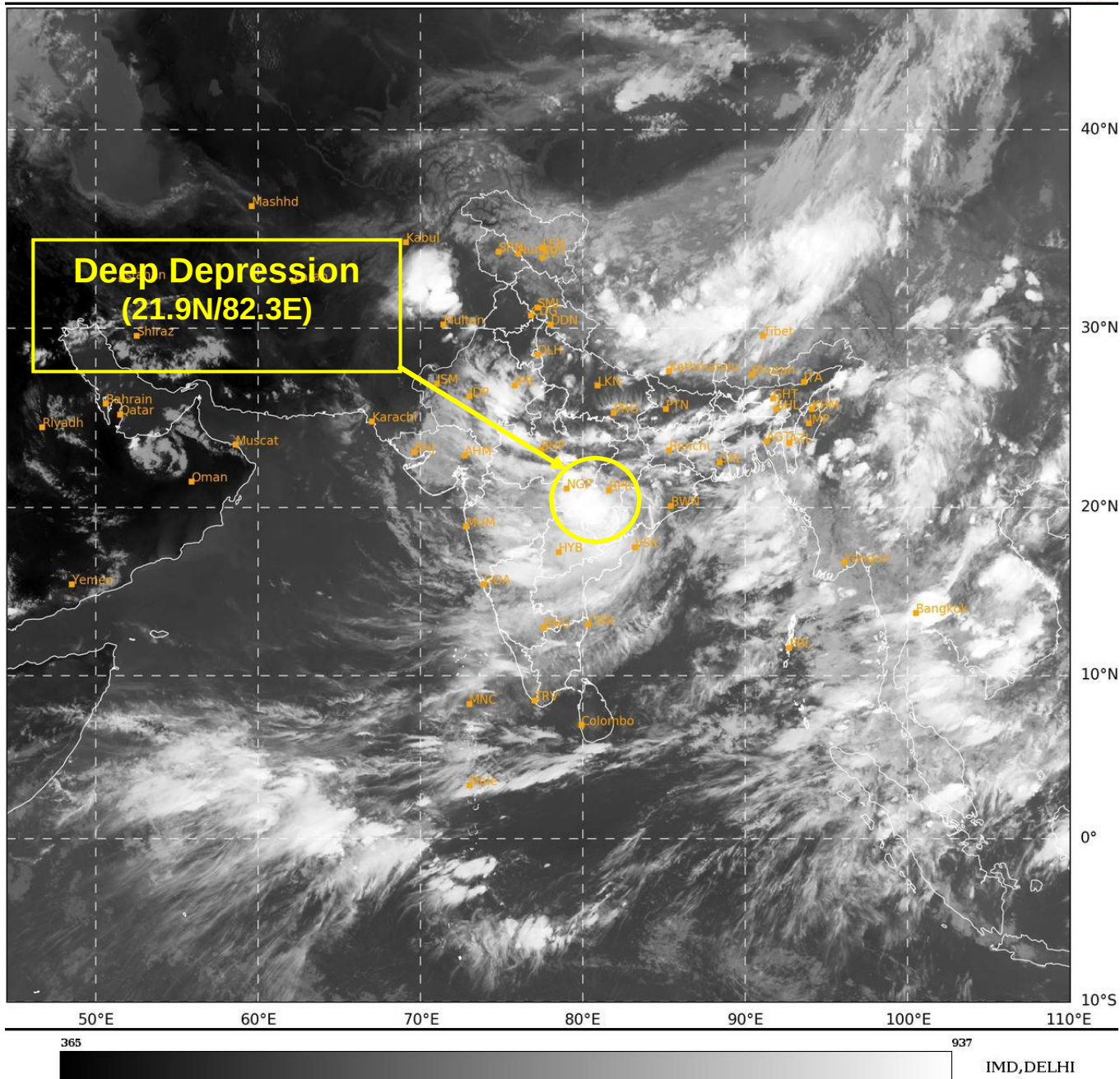
Confidence Level in prediction of forecast intensity: **High**

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

Monica Sharma
RSMC, New Delhi

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

29-07-2026/(1315 to 1342) GMT
 29-07-2026/(1845 to 1912) IST

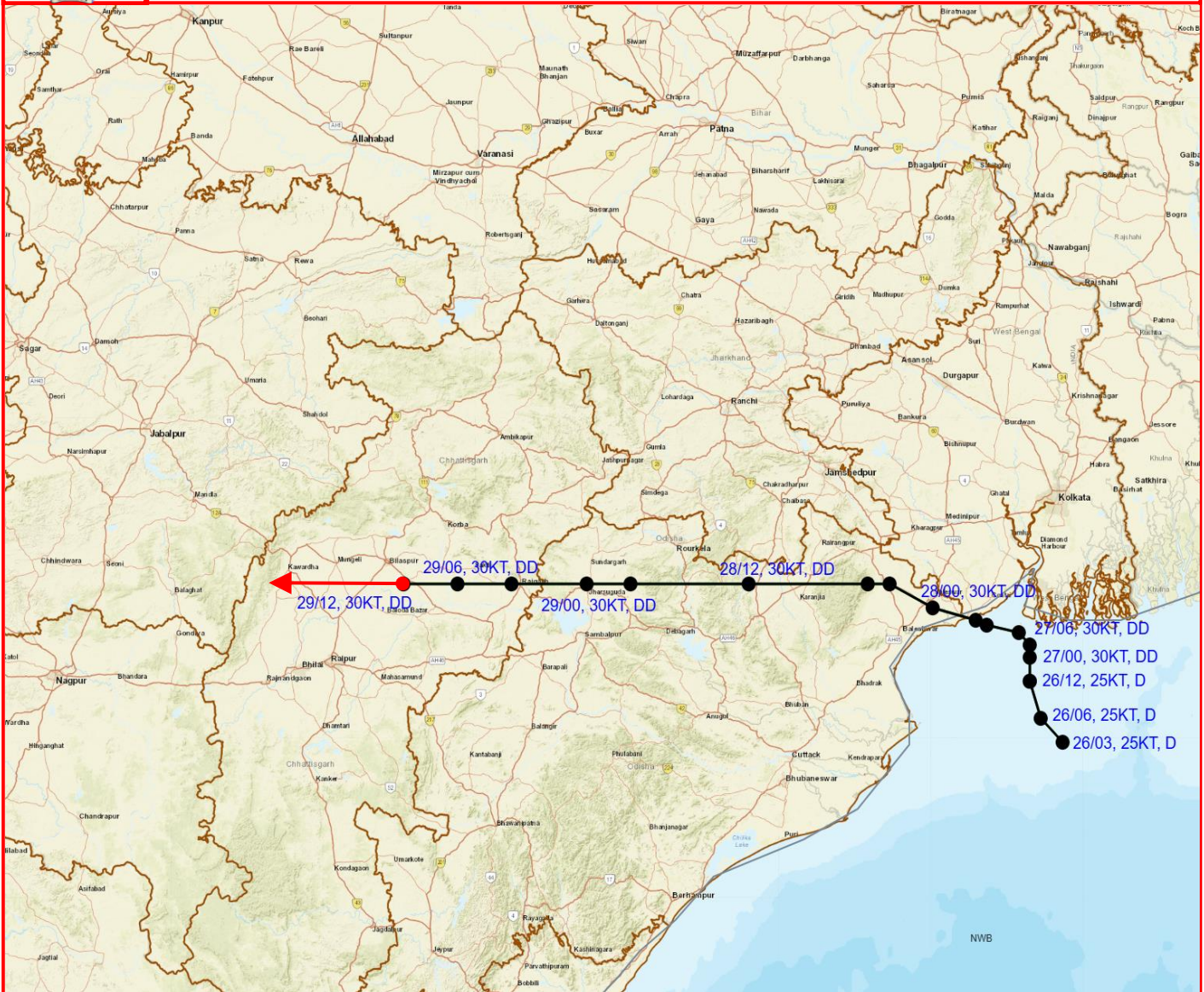


Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature(CTT)>-25°C, (b) Moderate: CTT:-25°Cto-40°C, (c) Intense: CTT: -41°Cto -70°C and (d) Very Intense::Less than -70°C Probability of cyclogenesis (formation of depression) :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 BASED ON 1200 UTC (1730 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

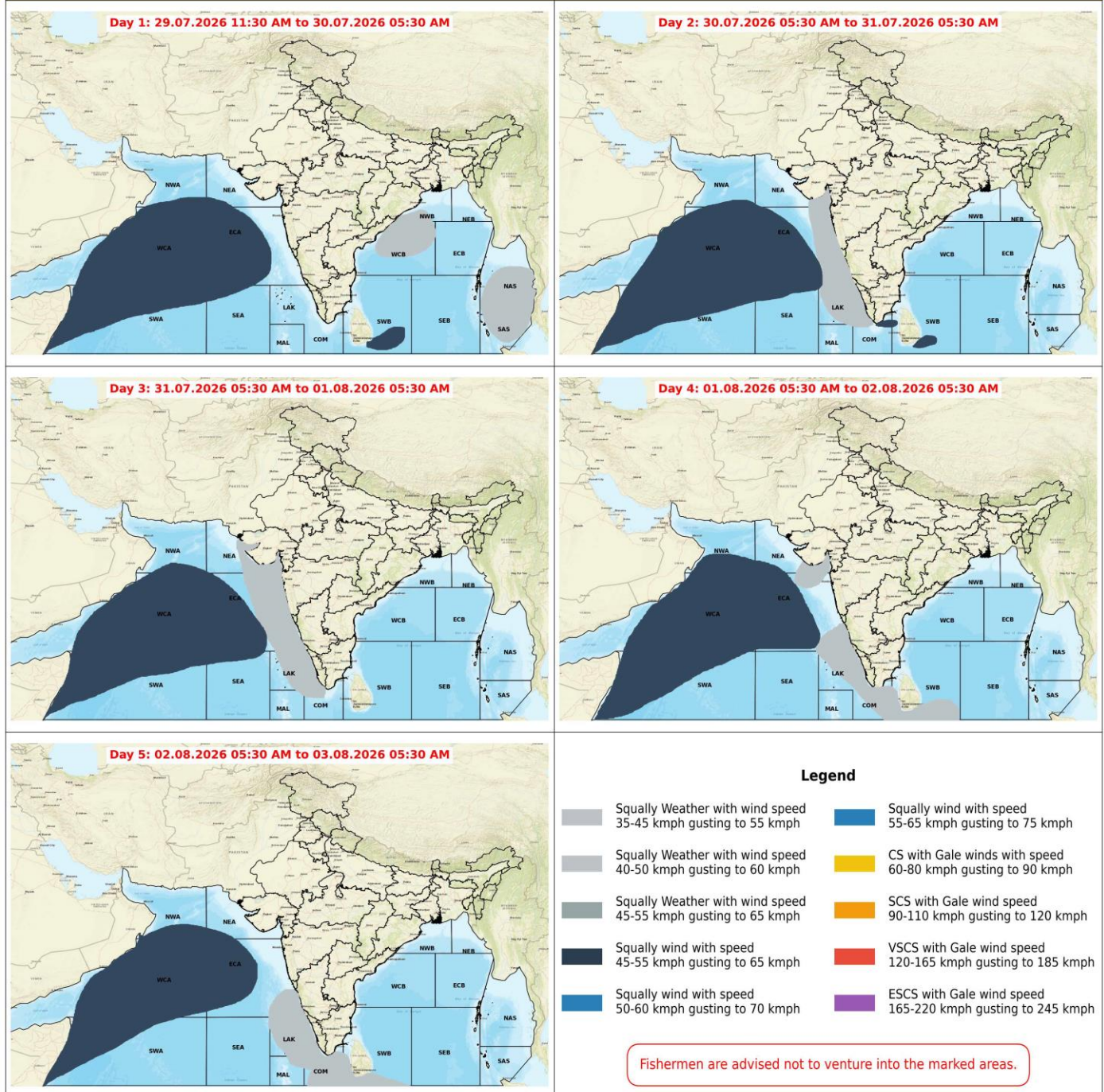
Forecast distance (km) and direction of the centre from nearest 5 coastal stations

Forecast Date and Time	Lead Period (hrs)	Lat	Lon	Station 1	Station 2	Station 3	Station 4	Station 5
29.07.26/1200	0	21.9	82.3	BILASPUR (30, SSE)	CHAMPA (40, WSW)	RAIPUR (100, NE)	DURG (130, NE)	MALANJKHAND (170, E)

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°C to -40°C, (c) Intense: CTT: -41°C to -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.

Fishermen Warning Graphics



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.