



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

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**DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 14.09.2021**

**SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 1500 UTC OF 14.09.2021 BASED ON 1200 UTC OF 14.09.2021.**

**BAY OF BENGAL:**

THE DEPRESSION OVER NORTH CHHATTISGARH & NEIGHBORHOOD MOVED FURTHER WEST-NORTHWESTWARDS DURING PAST 6 HOURS WITH A SPEED OF 10 KMPH, AND LAY CENTRED AT 1200 UTC OF TODAY, THE 14TH SEPTEMBER, 2021, OVER NORTH CHHATTISGARH & ADJOINING EAST MADHYA PRADESH, NEAR LATITUDE 22.7°N AND LONGITUDE 82.5°E, ABOUT 90 KM SOUTH-SOUTHWEST OF AMBIKAPUR (42693) AND ABOUT 180 KM EAST-SOUTHEAST OF UMARIA (42679).

IT IS VERY LIKELY TO WEAKEN INTO A WELL MARKED LOW PRESSURE AREA DURING NEXT 12 HOURS AND CONTINUE TO MOVE WEST-NORTHWESTWARDS ACROSS MADHYA PRADESH DURING THE NEXT 48 HOURS.

AS PER INSAT 3D IMAGERY AT 1200 UTC, THE SYSTEM IS LYING OVER LAND. ASSOCIATED BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER CHHATTISGARH & ADJOINING EAST MADHYA PRADESH, JHARKHAND AND ODISHA. MINIMUM CLOUD TOP TEMPERATURE IS -90°C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 25 KNOTS GUSTING TO 30 KNOTS.

**REMARKS:**

THE SYSTEM IS LYING OVER LAND. THE PREVAILING ACTIVE MONSOON CONDITIONS, THE EXISTING ENVIRONMENTAL CONDITIONS AND MODEL GUIDANCE ARE INDICATING THAT THE DEPRESSION IS VERY LIKELY TO WEAKEN INTO A WELL MARKED LOW PRESSURE AREA DURING NEXT 12 HOURS AND CONTINUE TO MOVE WEST-NORTHWESTWARDS ACROSS MADHYA PRADESH DURING NEXT 48 HOURS. THE UPPER TROPOSPHERIC RIDGE RUNS NEAR 27 DEG N, TO THE NORTH OF THE SYSTEM CENTRE. THE SYSTEM IS BEING STEERED BY THE MEAN WINDS IN MIDDLE AND UPPER TROPOSPHERE (500-850 HPA LEVELS) TOWARDS WEST-NORTHWEST. IT WILL CONTINUE TO STEER SO DURING NEXT 2 DAYS. MARGINAL INTENSIFICATION OF THE SYSTEM CANNOT BE RULED OUT ONCE THE SYSTEM MOVES OVER TO THE WESTERN INDIA, DUE TO FRESH MOISTURE INCURSION FROM THE ARABIAN SEA.

THIS IS THE LAST BULLETIN IN ASSOCIATION WITH THIS SYSTEM. HOWEVER, ROUTINE TROPICAL WEATHER OUTLOOK WILL CONTINUE FROM TOMORROW.

**(SUNITHA DEVI)  
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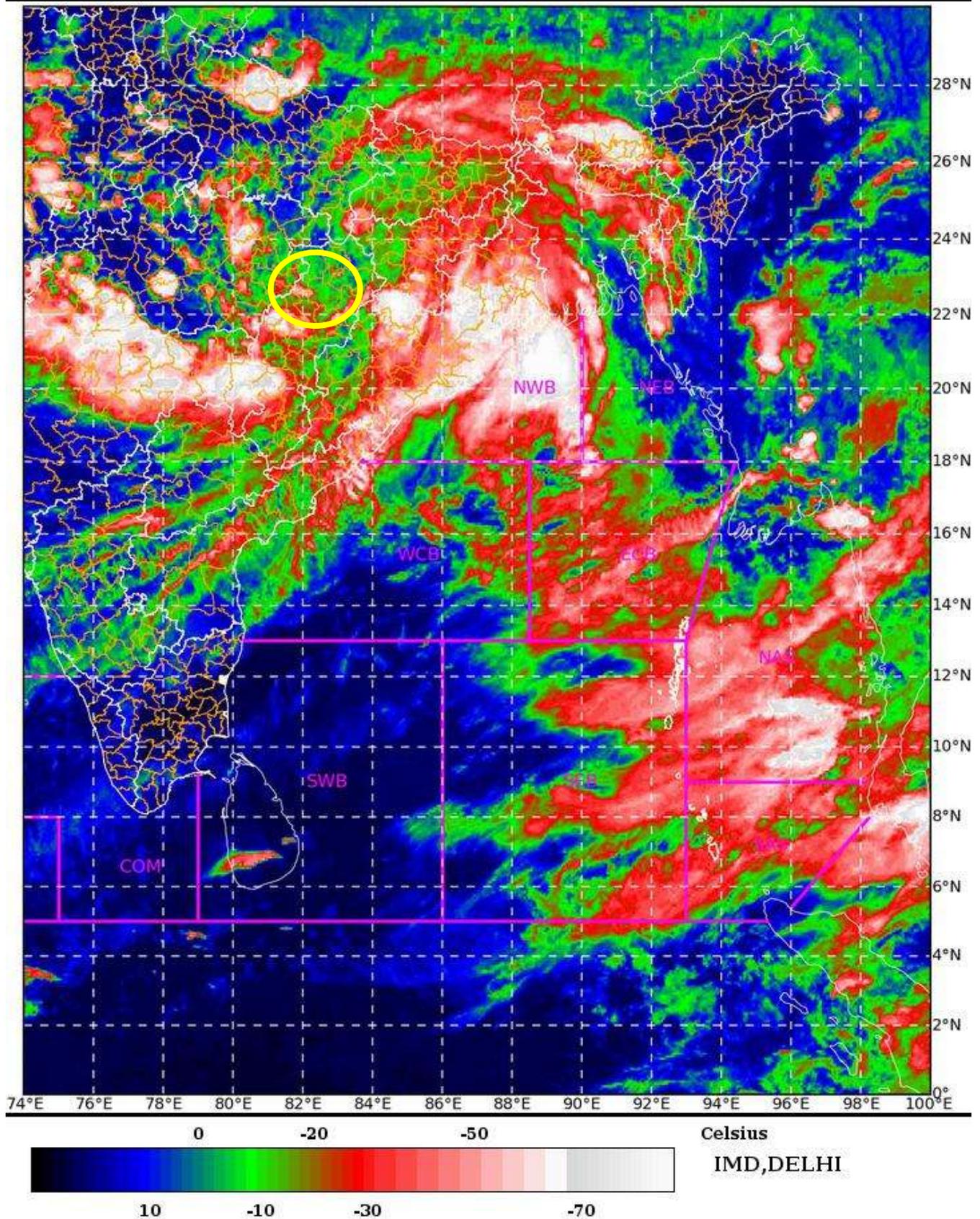
# OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH CHHATTISGARH & ADJOINING EAST MADHYA PRADESH BASED ON 1200 UTC OF 14<sup>TH</sup> SEPTEMBER, 2021



**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

SAT : INSAT-3D IMG 14-09-2021/(1300 to 1326) GMT  
IMG\_TIR1\_TEMP 10.8 um 14-09-2021/(1830 to 1856) IST  
L1C Mercator **DEPRESSION 22.7N/82.5E**



PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION):NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%  
This is a guidance Bulletin for the WMO/ESCAP Panel Member countries,. Please visit respective National websites for Country specific Bulletins