



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 14.07.2025

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR NEXT 168 HOURS ISSUED AT 0700 UTC OF 14.07.2025 BASED ON 0300 UTC OF 14.07.2025.

SUB: (A) WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST GANGETIC WEST BENGAL AND ADJOINING BANGLADESH

(B) WELL MARKED LOW PRESSURE AREA OVER NORTHEAST RAJASTHAN AND ADJOINING NORTHWEST MADHYA PRADESH

(A) WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST GANGETIC WEST BENGAL AND ADJOINING BANGLADESH

YESTERDAY'S LOW PRESSURE AREA OVER NORTH BAY OF BENGAL AND ADJOINING COASTAL AREAS OF BANGLADESH, WEST BENGAL AND NORTH ODISHA MOVED NORTH-NORTHWESTWARDS, AND LAY AS A WELL MARKED LOW PRESSURE AREA OVER SOUTHWEST BANGLADESH AND ADJOINING GANGETIC WEST BENGAL AT 0000 UTC. MOVING SLOWLY WEST-NORTHWESTWARD, IT LAY OVER SOUTHEAST GANGETIC WEST BENGAL AND ADJOINING BANGLADESH AT 0300 UTC OF TODAY, THE 14TH JULY, 2025. IT IS LIKELY TO MOVE NORTHWESTWARDS AND CONCENTRATE INTO A DEPRESSION OVER GANGETIC WEST BENGAL DURING NEXT 24 HOURS.

AS PER INSAT 3DS IMAGERY, AT 0300 UTC OF 14TH JULY 2025 ASSOCIATED SCATTERED TO BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER ODISHA GANGETIC WEST BENGAL SOUTH BANGLADESH AND NORTH BAY (MINIMUM CLOUD TOP TEMPERATURE IS 70-90 °C).

***PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:**

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
HIGH	NIL	NIL	NIL	NIL	NIL	NIL

***NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY**

(B) WELL MARKED LOW PRESSURE AREA OVER NORTHEAST RAJASTHAN AND ADJOINING NORTHWEST MADHYA PRADESH

YESTERDAY'S LOW PRESSURE AREA OVER NORTHWEST MADHYA PRADESH & NEIGHBOURHOOD MOVED SLOWLY WEST-NORTHWESTWARDS AND LAY OVER NORTHWEST MADHYA PRADESH AND ADJOINING EAST RAJASTHAN AT 0000 UTC . IT LAY

AS A WELL MARKED LOW PRESSURE AREA OVER NORTHEAST RAJASTHAN & ADJOINING NORTHWEST MADHYA PRADESH AT 0300 UTC OF TODAY, THE 14TH JULY, 2025. IT IS LIKELY TO CONTINUE TO MOVE FURTHER SLOWLY WEST-NORTHWESTWARDS ACROSS RAJASTHAN DURING NEXT 2 DAYS.

AS PER INSAT 3DS IMAGERY, AT 0300 UTC OF 14TH JULY 2025 LOW LEVEL CIRCULATION (LLC) LIES OVER NORTHWEST MADHYA PRADESH ADJOINING NORTHEAST RAJASTHAN AND NEIGHBOURHOOD. ASSOCIATED SCATTERED TO BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION OVER RAJASTHAN WEST MADHYA PRADESH (MINIMUM CLOUD TOP TEMPERATURE IS 70-90 °C).

***PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:**

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
NIL	NIL	NIL	NIL	NIL	NIL	NIL

***NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY**

WARNINGS:

WIND WARNING:

- SQUALLY WIND SPEED REACHING 40-50 KMPH GUSTING TO 60 KMPH IS LIKELY TO CONTINUE TO PREVAIL OVER NORTH BAY OF BENGAL, ALONG & OFF ODISHA, WEST BENGAL AND BANGLADESH COASTS FOR NEXT 24 HOURS.
- SQUALLY WIND SPEED REACHING 30-40 KMPH GUSTING TO 50 KMPH IS LIKELY OVER NORTHEAST RAJASTHAN AND ADJOINING NORTHWEST MADHYA PRADESH FOR NEXT 24 HOURS, AND OVER SOUTH RAJASTHAN & NEIGHBOURHOOD FOR SUBSEQUENT 24 HOURS.

SEA CONDITION:

- SEA CONDITION IS VERY LIKELY TO BE **ROUGH TO VERY ROUGH** OVER NORTH BAY OF BENGAL AND ALONG & OFF ODISHA, WEST BENGAL AND BANGLADESH COASTS DURING NEXT 24 HOURS.

FISHERMEN WARNING:

- FISHERMEN ARE ADVISED NOT TO VENTURE INTO NORTH BAY OF BENGAL, ALONG AND OFF ODISHA, WEST BENGAL, AND BANGLADESH COASTS FOR NEXT 24 HOURS.

REMARKS:

FOR THE SYSTEM OVER SOUTHEAST GANGETIC WEST BENGAL AND ADJOINING BANGLADESH THE LOW LEVEL VORTICITY IS AROUND $100 \times 10^{-5} \text{ S}^{-1}$ TO THE SOUTH OF SYSTEM CENTER, LOW LEVEL CONVERGENCE IS $5 \times 10^{-5} \text{ S}^{-1}$ TO THE SOUTH OF THE SYSTEM CENTRE AND UPPER LEVEL DIVERGENCE IS $10 \times 10^{-5} \text{ S}^{-1}$ TO THE SOUTHWEST OF THE SYSTEM CENTRE. LOW WIND SHEAR IS (5-10 KT) OVER THE SYSTEM AREA.

IN ASSOCIATION WITH THE SYSTEM OVER NORTHEAST RAJASTHAN AND ADJOINING NORTHWEST MADHYA PRADESH, THE LOW LEVEL VORTICITY IS POSITIVE AND IS MORE THAN $100 \times 10^{-5} \text{ S}^{-1}$ OVER THE SYSTEM CENTER. LOW LEVEL CONVERGENCE IS $10-15 \times 10^{-5}$

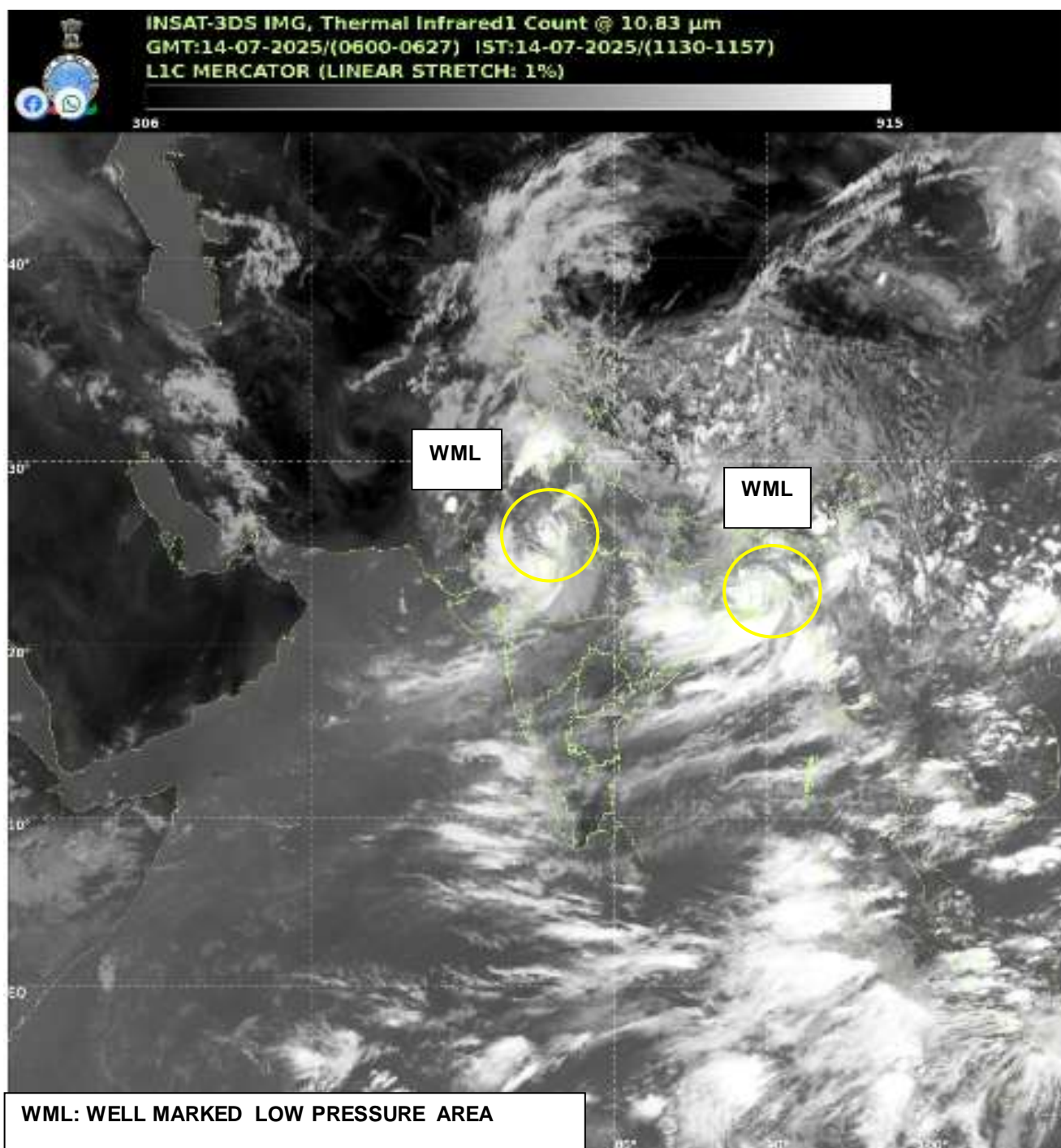
Cloud distribution: (a) Isolated: <25%, Scattered: 25-50%, Broken: 51-75%, Solid: >75%, Convection Intensity: (a) Weak: Cloud Top Temperature (CTT) >-25°C, (b) Moderate: CTT: - 25°C to -40°C, (c) Intense: CTT: - 41°C to -70°C and (d) Very Intense: : Less than -70°C
PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION): NIL: 0%, LOW: 1-33%, MODERATE: 34-66% AND HIGH: 67-100%
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S^{-1} AND IS NORTH-SOUTH ORIENTED AND UPPER LEVEL DIVERGENCE IS $5-10 \times 10^{-5} S^{-1}$ AND IS TO THE NORTHWEST FROM THE SYSTEM CENTER. WIND SHEAR IS 20-25 TO THE NORTHWEST OF THE SYSTEM CENTER.

CONSIDERING ALL THE ABOVE, IT IS INFERRED THAT:

- (1) WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST GANGETIC WEST BENGAL AND ADJOINING BANGLADESH IS LIKELY TO MOVE NORTHWESTWARDS AND INTENSIFY INTO A DEPRESSION OVER GANGETIC WEST BENGAL DURING NEXT 24 HOURS.
- (2) WELL MARKED LOW PRESSURE AREA OVER NORTHEAST RAJASTHAN AND ADJOINING NORTHWEST MADHYA PRADESH IS LIKELY TO MOVE SLOWLY WEST-NORTHWARDS ACROSS RAJASTHAN DURING NEXT 2 DAYS.

(DR. AKHIL SRIVASTAVA)
SCIENTIST-D
RSMC NEW DELHI



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