



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

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 0300 UTC OF 14.09.2021 BASED ON 0000 UTC OF 14.09.2021.

BAY OF BENGAL:

THE DEEP DEPRESSION OVER NORTH ODISHA MOVED FURTHER WEST-NORTHWESTWARDS DURING PAST 6 HOURS WITH A SPEED OF 21 KMPH, AND LAY CENTRED AT 0000 UTC OF 14TH SEPTEMBER, 2021, OVER NORTH INTERIOR ODISHA & ADJOINING NORTH CHHATTISGARH, NEAR LATITUDE 22.0°N AND LONGITUDE 83.6°E, ABOUT 50 KM WEST-NORTHWEST OF JHARSIGUDA (42886) AND ABOUT 130 KM SOUTH-SOUTHEAST OF AMBIKAPUR (42693).

IT IS VERY LIKELY TO CONTINUE TO MOVE WEST-NORTHWESTWARDS ACROSS NORTH CHHATTISGARH & MADHYA PRADESH DURING NEXT 48 HOURS. IT IS VERY LIKELY TO WEAKEN INTO A DEPRESSION DURING THE NEXT 06 HOURS.

AS PER INSAT 3D IMAGERY AT 0000 UTC, THE SYSTEM IS LYING OVER LAND. ASSOCIATED BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER CHHATTISGARH, JHARKHAND, GANGETIC WEST BENGAL, ODISHA, AND ADJOINING NORTHWEST BAY OF BENGAL AND NEIGHBOURHOOD. MINIMUM CLOUD TOP TEMPERATURE IS -93⁰C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 30 KNOTS GUSTING TO 35 KNOTS. THE ESTIMATED CENTRAL PRESSURE IS 990 HPA.

AT 0000 UTC OF 14TH SEP, THE MSLP RECORDED AT AMBIKAPUR AND JHARSIGUDA IS 999.2, AND 993.1 HPA WITH 24 HOURS PRESSURE CHANGE OF -1.5 HPA, AND -4.2 HPA RESPECTIVELY.

REMARKS:

THE SYSTEM IS LYING OVER LAND. THE PREVAILING ACTIVE MONSOON CONDITIONS, THE EXISTING ENVIRONMENTAL CONDITIONS AND MODEL GUIDANCE ARE INDICATING THAT THE DEEP DEPRESSION IS LIKELY TO WEAKEN INTO DEPRESSION DURING NEXT 06 HOURS. THE UPPER TROPOSPHERIC RIDGE RUNS NEAR 22 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 WESTNORTHWEST. IT WILL CONTINUE TO STEER SO DURING NEXT 2 DAYS. THERE COULD BE MARGINAL WEAKENING DURING ITS TRAVERSE ACROSS CENTRAL INDIA, SLIGHT INTENSIFICATION CANNOT BE RULED OUT ONCE THE SYSTEM MOVES OVER TO THE WESTERN INDIA, OWING TO FRESH MOISTURE INCURSION FROM THE ARABIAN SEA.

THE NEXT BULLETIN WILL BE ISSUED AT 0600 UTC OF 14TH SEPTEMBER, 2021.

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OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTH INTERIOR ODISHA AND ADJOINING NORTH CHHATTISGARH BASED ON 0000 UTC OF 14TH 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 (≥20 KT)

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

