



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

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**DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 15.08.2018**

**SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0600 UTC OF 15.08.2018 BASED ON 0300 UTC OF 07.08.2018.**

**BAY OF BENGAL:**

LATEST OBSERVATIONS AND SATELLITE IMAGERIES INDICATE THAT YESTERDAY'S WELL MARKED LOW PRESSURE AREA OVER NORTHWEST BAY OF BENGAL (BOB) CONCENTRATED INTO A DEPRESSION OVER COASTAL ODISHA AND LAY CENTERED AT 0300 UTC OF TODAY, THE 15TH AUGUST, 2018 NEAR LATITUDE 20.0°N AND LONGITUDE 86.0°E, ABOUT 30 KM SOUTHEAST OF BHUBANESWAR (42971). IT IS VERY LIKELY TO MOVE WEST-NORTHWESTWARDS DURING NEXT 24 HOURS.

ACCORDING TO SATELLITE IMAGERY BASED ON 0300 UTC OF 15<sup>TH</sup> AUGUST, BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER NORTHWEST AND ADJOINING WESTCENTRAL BOB.

THE ESTIMATED CENTRAL PRESSURE IS ABOUT 994 HPA AND THE MAXIMUM SUSTAINED SURFACE WIND SPEED IS 25 KNOTS GUSTING TO 35 KNOTS. STATE OF SEA IS ROUGH TO VERY ROUGH OVER NORTHWEST BOB AND ALONG & OFF ODISHA & ADJOINING NORTH ANDHRA PRADESH COASTS.

AT 0300 UTC, BHUBANESWAR (42971) REPORTED LOWEST MEAN SEA LEVEL PRESSURE (MSLP) OF 995.3 HPA AND MAXIMUM SUSTAINED SURFACE WIND (MSW) OF 020DEG/06 KNOT.

**REMARKS:**

MOST OF THE MODELS DO NOT SUGGEST FURTHER INTENSIFICATION OF THE SYSTEM. ALSO, MOST OF THE MODELS ARE UNANIMOUS ABOUT WEST-NORTHWESTWARDS MOVEMENT OF SYSTEM DURING NEXT 24 HOURS.

MADDEN JULIAN OSCILLATION INDEX CURRENTLY LIES IN PHASE 6 WITH AMPLITUDE EQUAL TO 1. IT WILL MOVE TO PHASE 4 ACROSS PHASE 5 DURING NEXT 3 DAYS WITH DECREASING TREND IN AMPLITUDE.

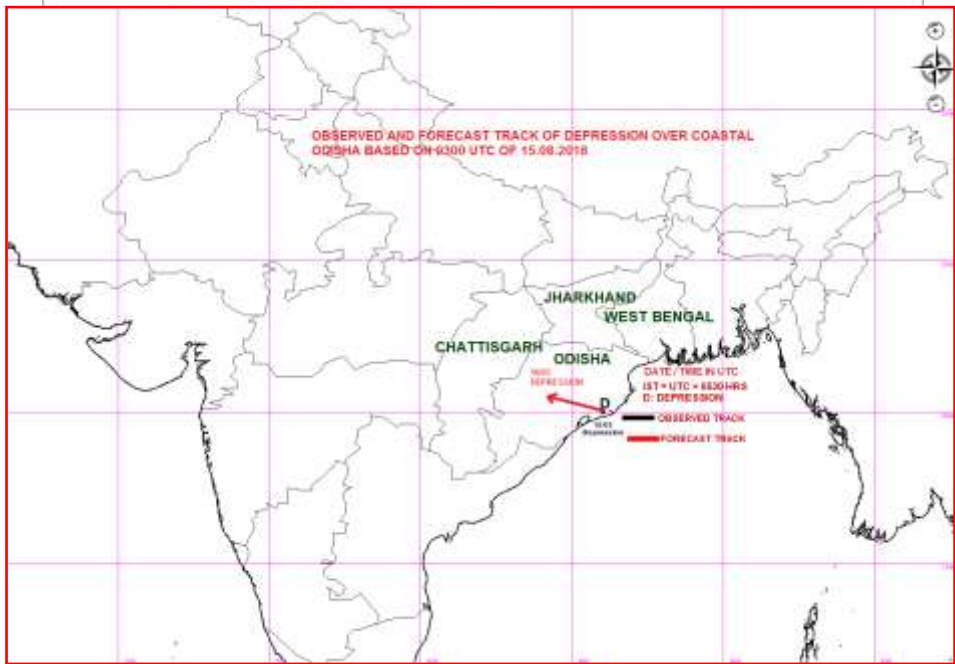
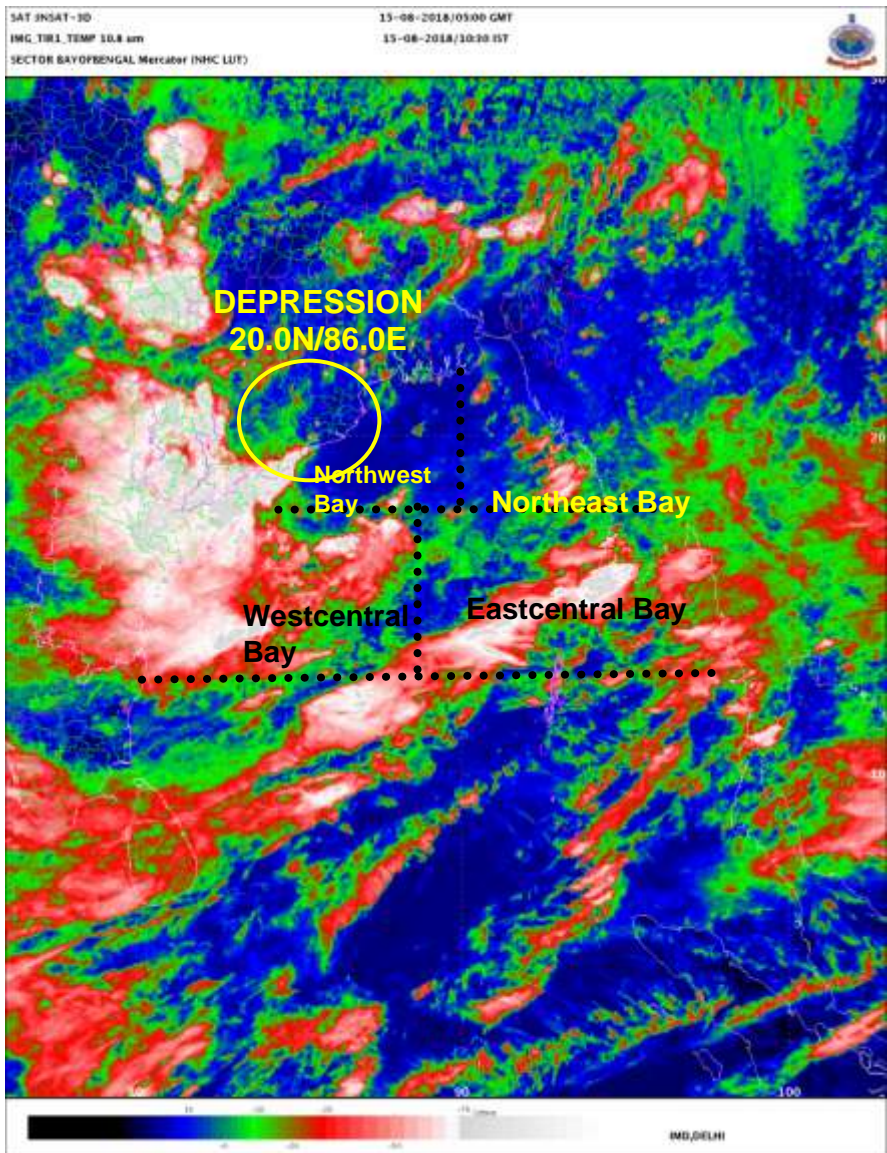
THE LOW LEVEL RELATIVE VORTICITY IS ABOUT  $100 \times 10^{-5} \text{SEC}^{-1}$  OVER NORTHWEST AND ADJOINING WESTCENTRAL BOB AND IS ORIENTED ALONG NORTHEAST TO SOUTHWEST. THE LOWER LEVEL CONVERGENCE IS ABOUT  $20 \times 10^{-5} \text{SEC}^{-1}$  OVER WESTCENTRAL & ADJOINING NORTHWEST BOB TO THE SOUTH OF SYSTEM CENTRE. THE UPPER LEVEL DIVERGENCE IS ABOUT  $20 \times 10^{-5} \text{SEC}^{-1}$  OVER WESTCENTRAL BOB TO THE SOUTHWEST OF SYSTEM CENTRE. THE VERTICAL WIND SHEAR IS MODERATE (10-20 KNOTS) AROUND SYSTEM CENTRE AND ALONG THE EXPECTED DIRECTION OF MOVEMENT OF DEPRESSION.

**(SUNITHA DEVI)  
SCIENTIST-E  
RSMC NEW DELHI**

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**PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION)**

**NIL: 0%, LOW: 1-25%, FAIR: 26-50%, MODERATE: 51-75% AND HIGH: 76-100%**



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