



**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 0600 UTC OF 14.09.2021 BASED ON 0300 UTC OF 14.09.2021.

BAY OF BENGAL:

THE DEEP DEPRESSION OVER NORTH INTERIOR ODISHA MOVED FURTHER WEST-NORTHWESTWARDS DURING PAST 6 HOURS WITH A SPEED OF 21 KMPH, WEAKENED INTO A DEPRESSION AND LAY CENTRED AT 0300 UTC OF 14TH SEPTEMBER, 2021, OVER NORTH CHHATTISGARH & ADJOINING NORTH INTERIOR ODISHA, NEAR LATITUDE 22.1°N AND LONGITUDE 83.4°E, ABOUT 80 KM WEST-NORTHWEST OF JHARSIGUDA (42886) AND ABOUT 120 KM SOUTH-SOUTHEAST OF AMBIKAPUR (42693).

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

AS PER INSAT 3D IMAGERY AT 0300 UTC, THE SYSTEM IS LYING OVER LAND. ASSOCIATED BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER CHHATTISGARH, SOUTH JHARKHAND, GANGETIC WEST BENGAL, ODISHA, AND ADJOINING NORTHWEST BAY OF BENGAL & NEIGHBOURHOOD. MINIMUM CLOUD TOP TEMPERATURE IS -90°C.

THE ESTIMATED MAXIMUM SUSTAINED WIND SPEED IS 25 KNOTS GUSTING TO 30 KNOTS. THE ESTIMATED CENTRAL PRESSURE IS 994 HPA.

AT 0300 UTC OF 14TH SEP, THE MSLP RECORDED AT AMBIKAPUR AND JHARSIGUDA IS 996.5, AND 996.7 HPA WITH 24 HOURS PRESSURE CHANGE OF -3.4 HPA, AND -2.0 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 DEPRESSION IS LIKELY TO MOVE WEST-NORTHWESTWARDS ACROSS NORTH CHHATTISGARH AND MADHYA PRADESH AND WEAKEN INTO A WELL MARKED LOW PRESSURE AREA DURING NEXT 48 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 WEST-NORTHWEST. IT WILL CONTINUE TO STEER SO DURING NEXT 2 DAYS. THERE COULD BE MARGINAL WEAKENING DURING ITS TRAVERSE ACROSS CENTRAL INDIA. HOWEVER, 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 0900 UTC OF 14TH SEPTEMBER, 2021.

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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH CHHATTISGARH AND ADJOINING NORTH INTERIOR ODISHA BASED ON 0300 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

SAT : INSAT-3D IMG

14-09-2021/(0430 to 0457) GMT

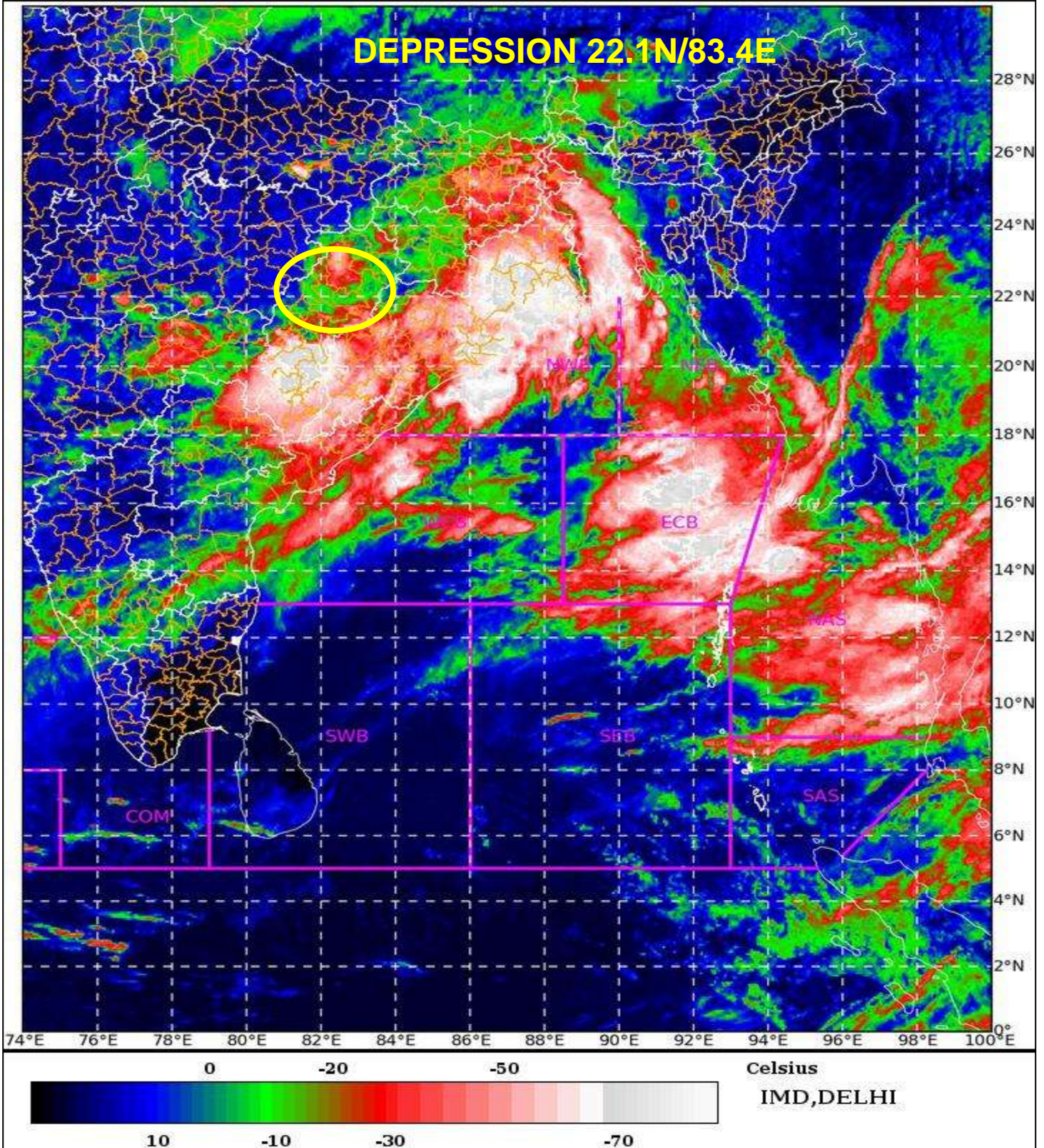
IMG_TIR1_TEMP 10.8 um

14-09-2021/(1000 to 1027) IST

L1C Mercator



DEPRESSION 22.1N/83.4E



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