



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 12.11.2021

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0230 UTC OF 12.11.2021 BASED ON 0000 UTC OF 12.11.2021.

(A) DEPRESSION OVER NORTH COASTAL TAMILNADU WEAKENED INTO A WELL MARKED LOW PRESSURE AREA OVER NORTH TAMIL NADU AND NEIGHBORHOOD.

THE DEPRESSION OVER NORTH COASTAL TAMIL NADU WEAKENED INTO A WELL MARKED LOW PRESSURE AREA AND LAY CENTERED AT 0000 UTC OF TODAY, THE 12TH NOVEMBER 2021 OVER NORTH TAMIL NADU AND NEIGHBORHOOD.

AS PER INSAT 3D IMAGERY AT 0000UTC, ASSOCIATED WEAK CONVECTION IS OVER NORTH TAMILNADU AND NEIGHBOUHOOD.

REMARKS:

SEA SURFACE TEMPERATURE (SST) IS ABOUT 29-30°C OVER SOUTHWEST & ADJOINING WESTCENTRAL BOB. TROPICAL CYCLONE HEAT POTENTIAL (TCHP) IS ABOUT 80-100 KJ/CM² OVER THE SYSTEM REGION. POSITIVE LOW LEVEL VORTICITY HAS FURTHER DECREASED AND IS ABOUT (50-100 X10⁻⁶ S⁻¹) AROUND THE SYSTEM CENTRE WITH VERTICAL EXTENSION UPTO 500 HPA LEVEL. POSITIVE LOW LEVEL CONVERGENCE HAS DECREASED AND IS AROUND 5-10 X10⁻⁵ S⁻¹ SOUTHWEST OF THE AROUND SYSTEM CENTRE. THE POSITIVE UPPER LEVEL DIVERGENCE IS AROUND 10-20 X10⁻⁵ S⁻¹ TO THE NORTHWEST OF SYSTEM CENTRE. WIND SHEAR IS (10-15 KT) OVER ANDHRA PRADESH. IN ASSOCIATION WITH ABOVE UNFAVOURABLE ENVIRONMENTAL CONDITIONS AND LAND INTERACTIONS THE SYSTEM HAS WEAKENED INTO WELL MARKED LOW PRESSURE AREA.

(B) LIKELY FORMATION OF FRESH LOW PRESSURE AREA OVER SOUTH ANDAMAN SEA AND NEIGHBOURHOOD

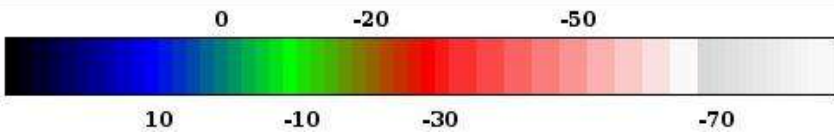
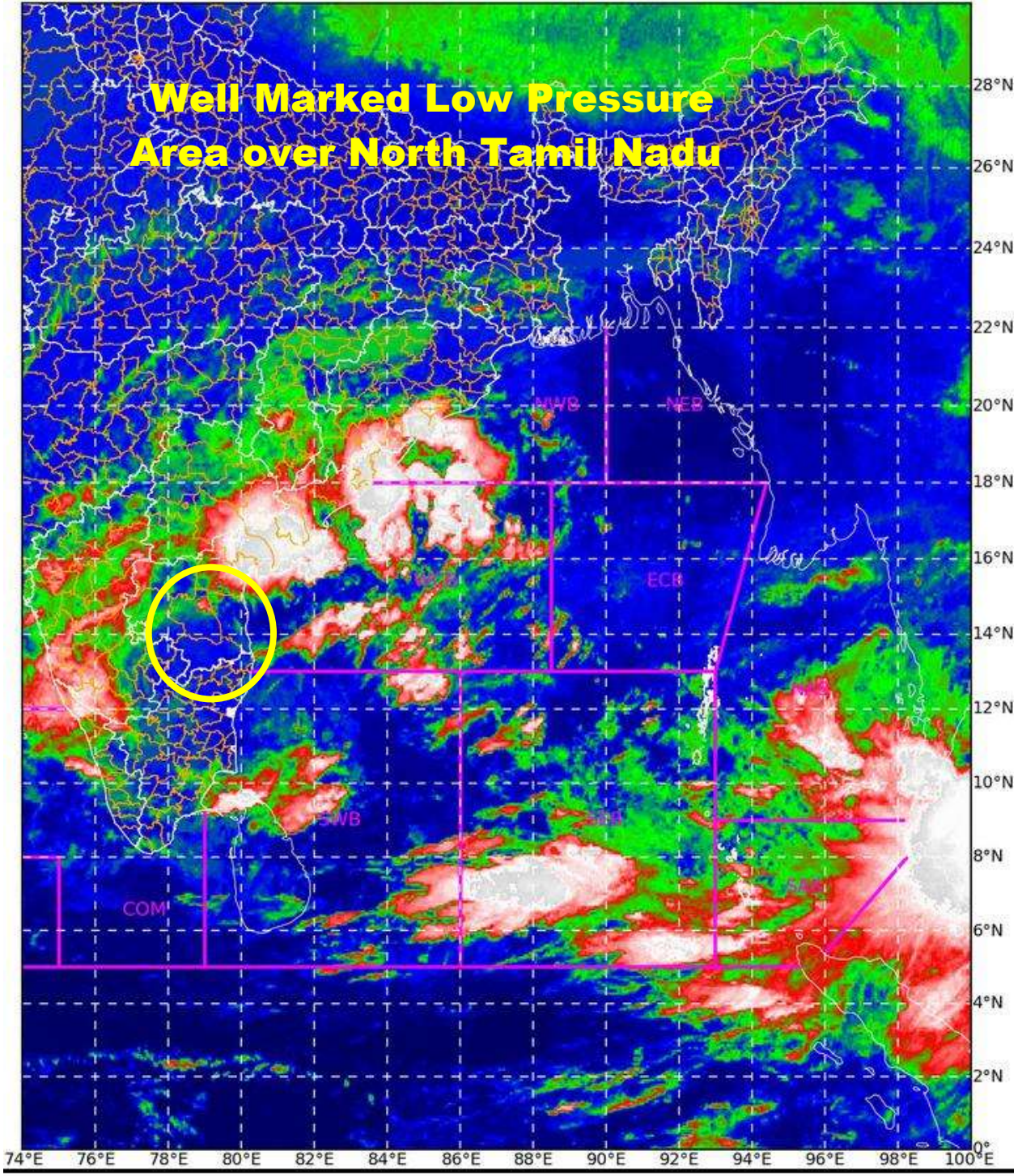
A FRESH LOW PRESSURE AREA IS LIKELY TO FORM OVER SOUTH ANDAMAN SEA AND NEIGHBOURHOOD BY TOMORROW, THE 13TH NOVEMBER. IT IS LIKELY TO MOVE WEST-NORTHWESTWARDS AND BECOME MORE MARKED DURING SUBSEQUENT 48 HOURS.

THIS IS THE LAST BULLETIN PERTAINING TO THIS SYSTEM. HOWEVER, REGULAR TROPICAL WEATHER OUTLOOK WEATHER BULLETINS WILL CONTINUE.

(SHASHI KANT)
SCIENTIST-C, RSMC, NEW DELHI



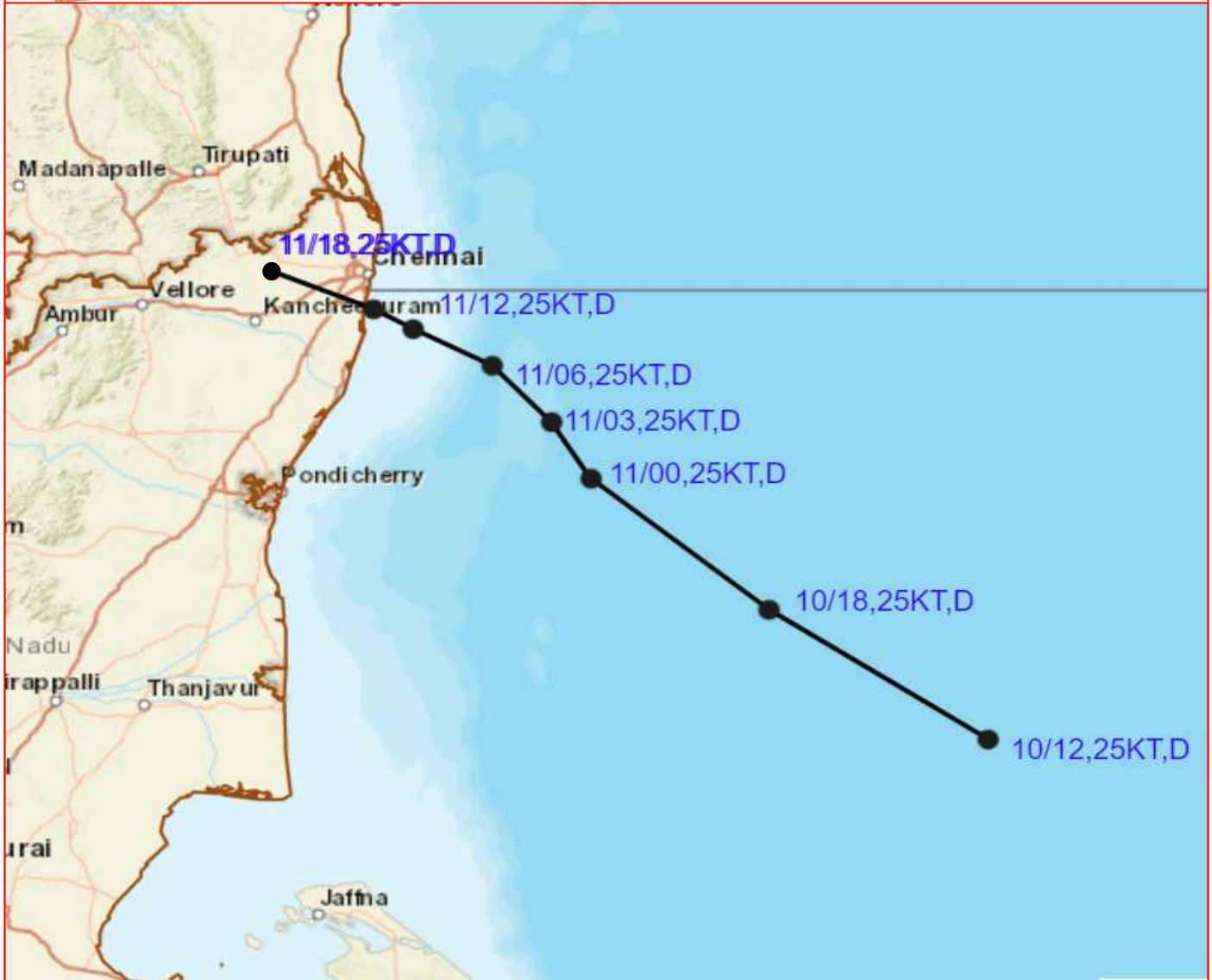
Well Marked Low Pressure Area over North Tamil Nadu



Celsius
IMD, DELHI



OBSERVED TRACK OF DEPRESSION OVER BAY OF BENGAL FROM 10TH - 12TH NOVEMBER, 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 (48-63 KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

● LESS THAN 34 KT

○ 34-47 KT

○ \geq 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

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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