



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

DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 18.06.2023

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 1500 UTC OF 18.06.2023 BASED ON 1200 UTC OF 18.06.2023.

1. DEPRESSION (REMNANT OF CYCLONIC STORM 'BIPARJOY') OVER CENTRAL PARTS OF EAST RAJASTHAN & NEIGHBOURHOOD

THE DEPRESSION (REMNANT OF CYCLONIC STORM 'BIPARJOY') OVER CENTRAL PARTS OF SOUTH RAJASTHAN & NEIGHBOURHOOD MOVED NEARLY EASTWARDS WITH A SPEED OF 12 KMPH DURING PAST 6-HOURS, AND LAY CENTERED AT 1200 UTC OF TODAY, THE 18TH JUNE, 2023 OVER CENTRAL PARTS OF EAST RAJASTHAN NEAR LATITUDE 26.3°N AND LONGITUDE 74.7°E, ABOUT 20 KM SOUTH-SOUTHEAST OF AJMER (42343) AND 120 KM WEST-SOUTHWEST OF JAIPUR (42348).

IT IS VERY LIKELY TO CONTINUE TO MOVE NEARLY EAST-NORTHEASTWARDS AND WEAKEN INTO A WELL MARKED LOW PRESSURE AREA BY 0300 UTC OF 19TH JUNE.

AS PER INSAT 3D IMAGERY, ASSOCIATED BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER RAJASTHAN AND NORTH GUJARAT. MINIMUM CLOUD TOP TEMPERATURE IS MINUS 93°C. BROKEN LOW/MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER SOUTH HARYANA, WEST MADHYA PRADESH.

ASSOCIATED MAXIMUM SUSTAINED WIND SPEED (MSW) IS 20 KNOTS GUSTING TO 30 KNOTS. THE ESTIMATED CENTRAL PRESSURE IS 992 HPA. AT 1200 UTC, AJMER (42343) REPORTED MSLP OF 993.9 HPA, P24 OF -3.8 HPA AND MSW OF 360°/ 03KT.

2. BAY OF BENGAL:

SCATTERED TO BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER SOUTHERN PARTS OF WESTCENTRAL BAY OF BENGAL AND NORTH ANDAMAN SEA, ARAKAN COAST, GULF OF MARTABAN AND TENASSERIM COAST.

PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 120 HRS:

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

3. ARABIAN SEA:

SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER LAKSHADWEEP ISLANDS. SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER GOA, KARNATAKA COASTS, SOUTHEAST ARABIAN SEA AND COMORIN AREA. SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED WEAK TO MODERATE CONVECTION LAY OVER NORTH ARABIAN SEA AND CENTRAL ARABIAN SEA.

PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 120 HRS:

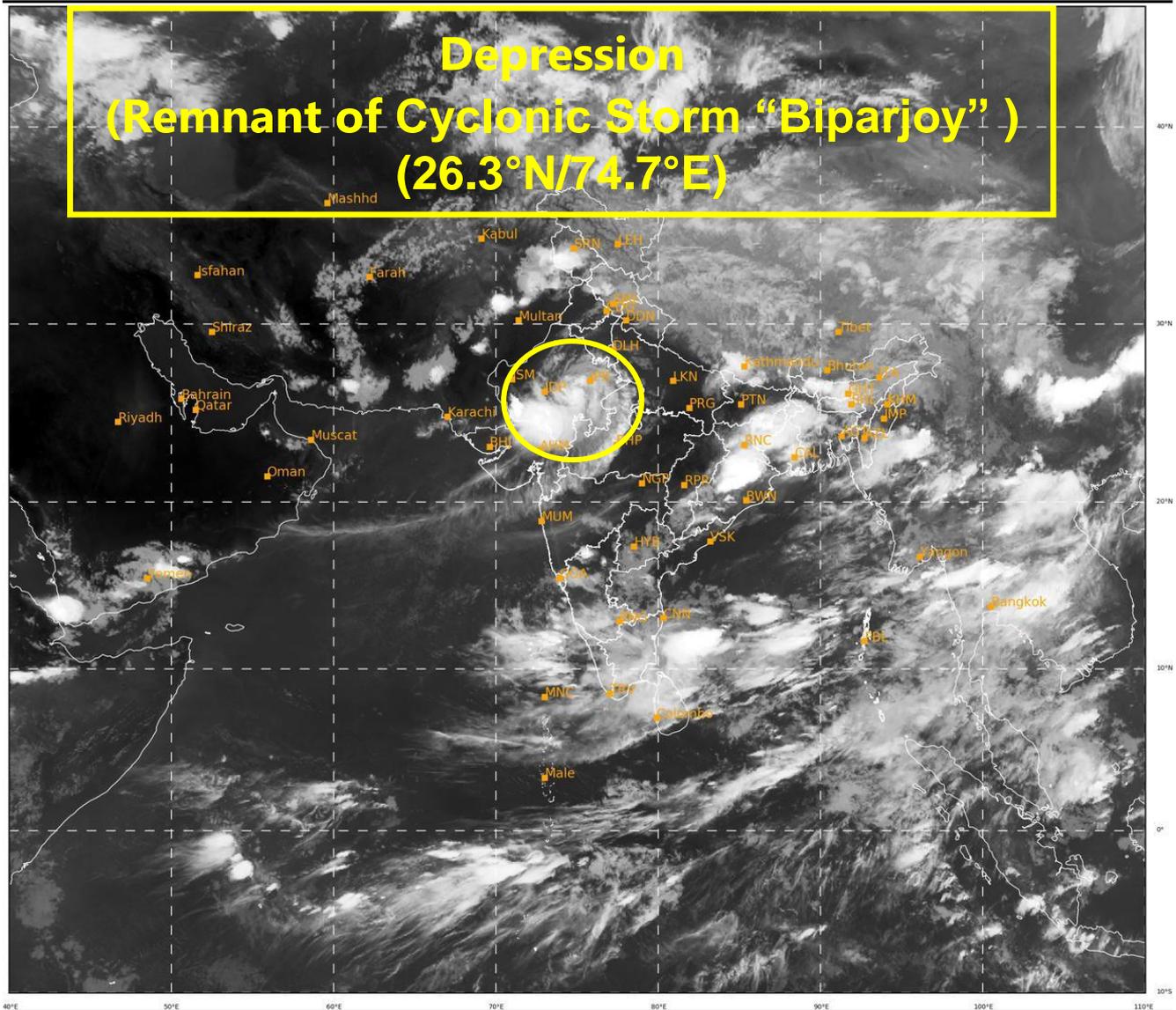
24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS
NIL	NIL	NIL	NIL	NIL

REMARKS:

THE LOW LEVEL VORTICITY IS AROUND $200-250 \times 10^{-6} \text{S}^{-1}$ & IS LOCATED AROUND THE SYSTEM CENTRE WITH VERTICAL EXTENSION UPTO 200 HPA. LOW LEVEL CONVERGENCE HAS DECREASED AND IS ABOUT $05 \times 10^{-5} \text{S}^{-1}$ TO THE SOUTHEAST OF THE SYSTEM CENTRE AND UPPER LEVEL DIVERGENCE IS ABOUT $20 \times 10^{-5} \text{S}^{-1}$ TO THE SOUTHWEST OF THE SYSTEM CENTER. VERTICAL WIND SHEAR IS MODERATE (15-20 KNOTS) OVER THE SYSTEM AREA.

BASED ON ENVIRONMENTAL CONDITIONS AND NWP MULTI-MODEL FORECASTS UPDATES, THE SYSTEM IS VERY LIKELY TO MOVE NEARLY EAST-NORTHEASTWARDS AND WEAKEN INTO A WELL MARKED LOW PRESSURE AREA AROUND 0300 UTC OF 19TH JUNE.

M SHARMA
SCIENTIST D
RSMC NEW DELHI



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IMD, DELHI

