



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

DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 01.10.2023

SPECIAL TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0600 UTC OF 01.10.2023 BASED ON 0300 UTC OF 01.10.2023.

**SUB: A) DEPRESSION OVER SOUTH KONKAN WEAKENED INTO A WELL MARKED LOW PRESSURE AREA OVER SOUTH MADHYA MAHARASHTRA AND NEIGHBOURHOOD
B) WELL MARKED LOW PRESSURE AREA OVER WESTERN PARTS OF GANGETIC BENGAL AND ADJOINING JHARKHAND**

A) DEPRESSION OVER SOUTH KONKAN WEAKENED INTO A WELL MARKED LOW PRESSURE AREA OVER SOUTH MADHYA MAHARASHTRA AND NEIGHBOURHOOD

THE DEPRESSION OVER SOUTH KONKAN MOVED NORTHEASTWARDS, WEAKENED INTO A WELL MARKED LOW PRESSURE AREA OVER SOUTH MADHYA MAHARASHTRA AND NEIGHBOURHOOD AT 0300 UTC OF 1ST OCTOBER, 2023. IT IS VERY LIKELY TO MOVE NORTHEASTWARDS AND WEAKEN INTO A LOW PRESSURE AREA DURING NEXT 12 HOURS.

AS PER INSAT 3D IMAGERY, VORTEX OVER SOUTH KONKAN AND ADJOINING SOUTH MADHYA MAHARASHTRA & NEIGHBOURHOOD IS CENTERED WITHIN HALF A DEGREE OF 17.0N / 74.0E. CENTRE IS POORLY DEFINED IN SATELLITE IMAGERIES. ASSOCIATED BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION OVER SOUTH KONKAN ADJOINING EASTCENTRAL ARABIAN SEA AND ADJOINING EASTCENTRAL ARABIAN SEA. MINIMUM CLOUD TOP TEMPERATURE IS -70 DEGREE CELSIUS. MODERATE CONVECTION OVER NORTH KONKAN ADJOINING SOUTH MADHYA MAHARASHTRA & GOA.

ASSOCIATED MAXIMUM SUSTAINED WIND SPEED IS 15 KNOTS. THE ESTIMATED CENTRAL PRESSURE IS 1004 HPA. SEA CONDITION IS LIKELY TO BE ROUGH TO VERY ROUGH OVER EASTCENTRAL ARABIAN SEA ALONG & OFF MAHARASHTRA-GOA-KARNATAKA COASTS DURING NEXT 12 HOURS AND GRADUALLY IMPROVE THEREAFTER.

B) WELL MARKED LOW PRESSURE AREA OVER WESTERN PARTS OF GANGETIC BENGAL AND ADJOINING JHARKHAND

THE WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST JHARKHAND AND ADJOINING AREAS OF GANGETIC WEST BENGAL & NORTH ODISHA MOVED NORTHWESTWARDS AND LAY CENTERED AT 0830 HOURS IST OF TODAY, THE 1ST OCTOBER, 2023 OVER WESTERN PARTS OF

GANGETIC WEST BENGAL AND ADJOINING JHARKHAND. IT IS LIKELY TO MOVE FURTHER NORTHWESTWARDS SLOWLY DURING NEXT 24 HOURS.

ASSOCIATED MAXIMUM SUSTAINED WIND SPEED IS 10-15 KNOTS. THE ESTIMATED CENTRAL PRESSURE IS 998 HPA. SEA CONDITION IS LIKELY TO BE ROUGH OVER NORTH BAY OF BENGAL ALONG & OFF NORTH ODISHA-WEST BENGAL AND ADJOINING BANGLADESH COASTS ON 1ST OCTOBER, 2023.

THIS IS LAST UPDATE IN ASSOCIATION WITH THESE SYSTEMS.

M. SHARMA
RSMC NEW, DELHI



OBSERVED AND FORECAST TRACK OF DEPRESSION OVER SOUTH MADHYA MAHARASHTRA AND NEIGHBOURHOOD AND LOCATION OF WELL MARKED LOW PRESSURE AREA OVER WESTERN PARTS OF GANGETIC WEST BENGAL AND ADJOINING JHARKHAND BASED ON 0300 UTC (0830 IST) OF 01ST OCTOBERER. 2023.



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 (≥ 120 KT)

● LESS THAN 34 KT

○ 34-47 KT

○ ≥ 48 KT

— OBSERVED TRACK

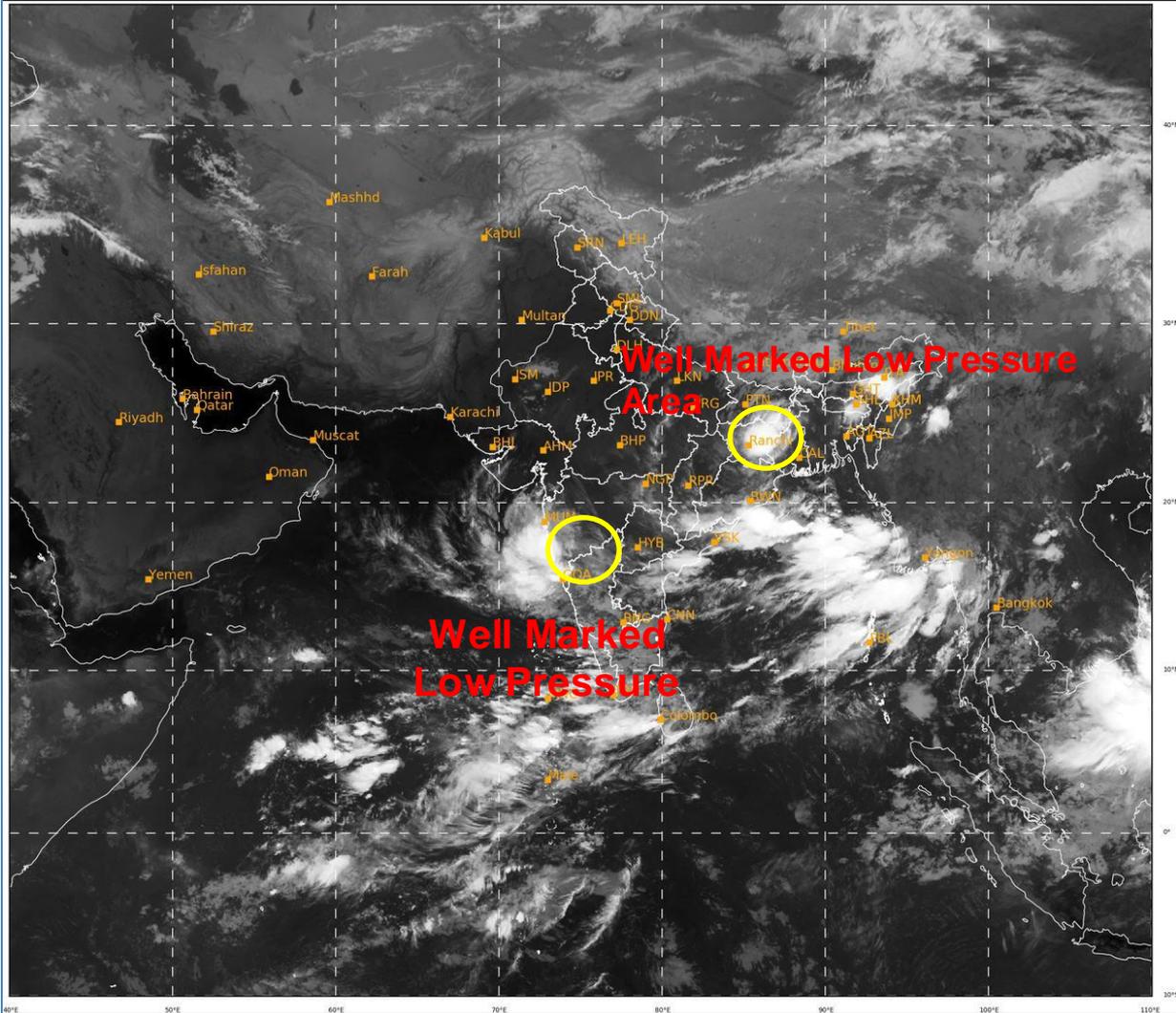
— FORECAST TRACK

▲ CONE OF UNCERTAINTY

Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid>75%, Convection Intensity: (a) Weak: Cloud Top Temperature (CTT) >-25°C, (b) Moderate: CTT: - 25°C to -40°C, (c) Intense: CTT: - 41°C to -70°C and (d) Very Intense: : Less than -70°C
 PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION):NIL: 0%, LOW: 1-33% , MODERATE: 34-66% AND HIGH: 67-100%
 This is a guidance Bulletin for WMO/ESCAP Panel Member countries. Visit respective National websites for Country specific Bulletins

SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
LIC Mercator

01-10-2023/(0145 to 0212) GMT
01-10-2023/(0715 to 0742) IST



439

938

IMD, DELHI

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