



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

DEMS-RSMC TROPICALCYCLONES NEW DELHI DATED 10.09.2022

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0700 UTC OF 10.09.2022 BASED ON 0300 UTC OF 10.09.2022.

BAY OF BENGAL:

YESTERDAY'S LOW PRESSURE AREA OVER WESTCENTRAL & ADJOINING NORTHWEST BAY OF BENGAL OFF NORTH ANDHRA PRADESH-SOUTH ODISHA COASTS LAY AS A WELL MARKED LOW PRESSURE AREA (WML) OVER THE SAME REGION AT 0300 UTC OF TODAY, THE 10TH SEPTEMBER, 2022. IT IS LIKELY TO CONCENTRATE INTO A DEPRESSION OVER NORTHWEST & ADJOINING WESTCENTRAL BAY OF BENGAL AND SOUTH ODISHA - NORTH ANDHRA PRADESH COASTS DURING NEXT 24 HOURS.

ASSOCIATED SCATTERED TO BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER WESTCENTRAL & NORTHWEST BAY OF BENGAL, NORTH COASTAL ANDHRA PRADESH AND SOUTH ODISHA. MINIMUM CLOUD TOP TEMPERATURE (CTT) IS MINUS 93 DEG CELSIUS IN ASSOCIATION WITH WML OVER THE REGION.

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	LOW	NIL	NIL	NIL

ARABIAN SEA:

SCATTERED TO BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER EAST CENTRAL ARABIAN SEA OFF MAHARASHTRA COAST. SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER CENTRAL PARTS OF NORTH ARABIAN SEA AND GULF OF CAMBAY. SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED WEAK TO MODERATE CONVECTION LAY OVER REST OF ARABIAN SEA, LAKSHADWEEP ISLANDS AREA AND COMORIN AREA.

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:

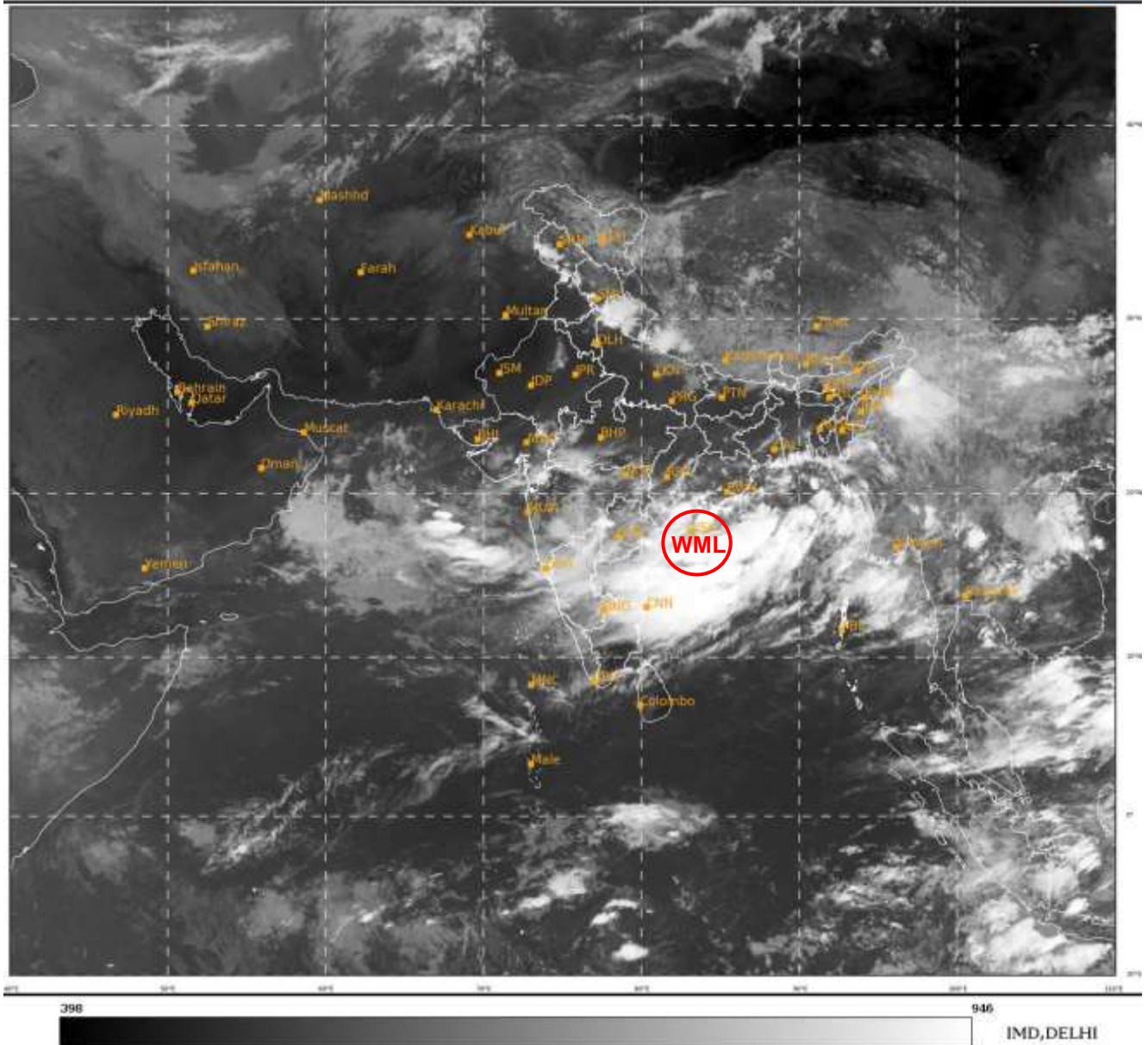
CURRENT CONDITIONS INDICATE THAT THE SYSTEM OVER WESTCENTRAL & ADJOINING NORTHWEST BAY OF BENGAL OFF NORTH ANDHRA PRADESH-SOUTH ODISHA COASTS IS IN FAVOURABLE ENVIRONMENT WITH SEA SURFACE TEMPERATURE OF ABOUT 29-30°C OVER NORTHWEST & WESTCENTRAL BAY OF BENGAL. LOW LEVEL RELATIVE VORTICITY HAS INCREASED SIGNIFICANTLY DURING PAST 24 HOURS AND IS AROUND TO $150 \times 10^{-6} \text{ S}^{-1}$ NEAR SYSTEM CENTRE. LOW LEVEL CONVERGENCE IS ABOUT $20 \times 10^{-5} \text{ S}^{-1}$ TO THE SOUTH OF SYSTEM CENTRE. UPPER LEVEL DIVERGENCE IS ABOUT $30 \times 10^{-5} \text{ S}^{-1}$ TO THE SOUTH OF THE SYSTEM CENTRE. WIND SHEAR IS LOW TO MODERATE (ABOUT 15-20 KNOTS) AROUND SYSTEM AREA.

ECMWF IS INDICATING FURTHER INTENSIFICATION OF THE SYSTEM INTO A DEPRESSION OVER NORTHWEST & ADJOINING WESTCENTRAL BAY OF BENGAL AROUND 0000 UTC OF 11TH SEPTEMBER. MODELS LIKE GFS, GEFS, NCUM, NCEP-GFS ARE INDICATING NO SIGNIFICANT INTENSIFICATION OF THE SYSTEM.

IN VIEW OF ABOVE, LOW PROBABILITY IS ASSIGNED TO FURTHER INTENSIFICATION OF WELL MARKED LOW PRESSURE AREA INTO A DEPRESSION OVER NORTHWEST & ADJOINING WESTCENTRAL BAY OF BENGAL AND SOUTH ODISHA - NORTH ANDHRA PRADESH COASTS DURING NEXT 24 HOURS.

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

10-09-2022/(0300 to 0327) GMT
10-09-2022/(0830 to 0857) IST



WML: WELL MARKED LOW PRESSURE AREA