REGIONAL SPECIALISED METEOROLOGICAL CENTRE-TROPICAL CYCLONES, NEW DELHI

TROPICAL WEATHER OUTLOOK

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 15.07.2023

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR NEXT 168 HOURS ISSUED AT 0600 UTC OF 15.07.2023 BASED ON 0300 UTC OF 15.07.2023.

BAY OF BENGAL:

A CYCLONIC CIRCULATION LIES OVER NORTHWEST BAY OF BENGAL AND ADJOINING NORTH ODISHA-GANGETIC WEST BENGAL COASTS AND EXTENDS UPTO 5.8 KM ABOVE MEAN SEA LEVEL TILTING SOUTHWARDS WITH HEIGHT. IT IS LIKELY TO MOVE WESTNORTHWEST WARDS ACROSS NORTH ODISHA AND ADJOINING GANGETIC WEST BENGAL & JHARKH AND DURING NEXT 2-3 DAYS. ANOTHER FRESH CYCLONIC CIRCULATION IS LIKELY TO FORM OVER NORTHWEST BAY OF BENGAL AROUND 18TH JULY, 2023.

SCATTERED TO BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER NORTH ADJOINING CENTRAL BAY OF BENGAL. SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER SOUTHEAST BAY OF BENGAL, ANDAMAN SEA, ARAKAN COAST AND GULF OF MARTABAN.

PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
NIL	NIL	NIL	NIL	LOW	LOW	MODERATE

ARABIAN SEA:

SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER SOUTH ARABIAN SEA & LAKSHADWEEP ISLAND AREA AND ISOLATED WEAK TO MODERATE CONVECTION LAY OVER REST ARABIAN SEA

PROBABILITY OF CYCLOGENESIS (FORMATION OF DEPRESSION) DURING NEXT 168 HRS:

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
NIL	NIL	NIL	NIL	NIL	NIL	NIL

REMARK:

BAY OF BENGAL (BOB):

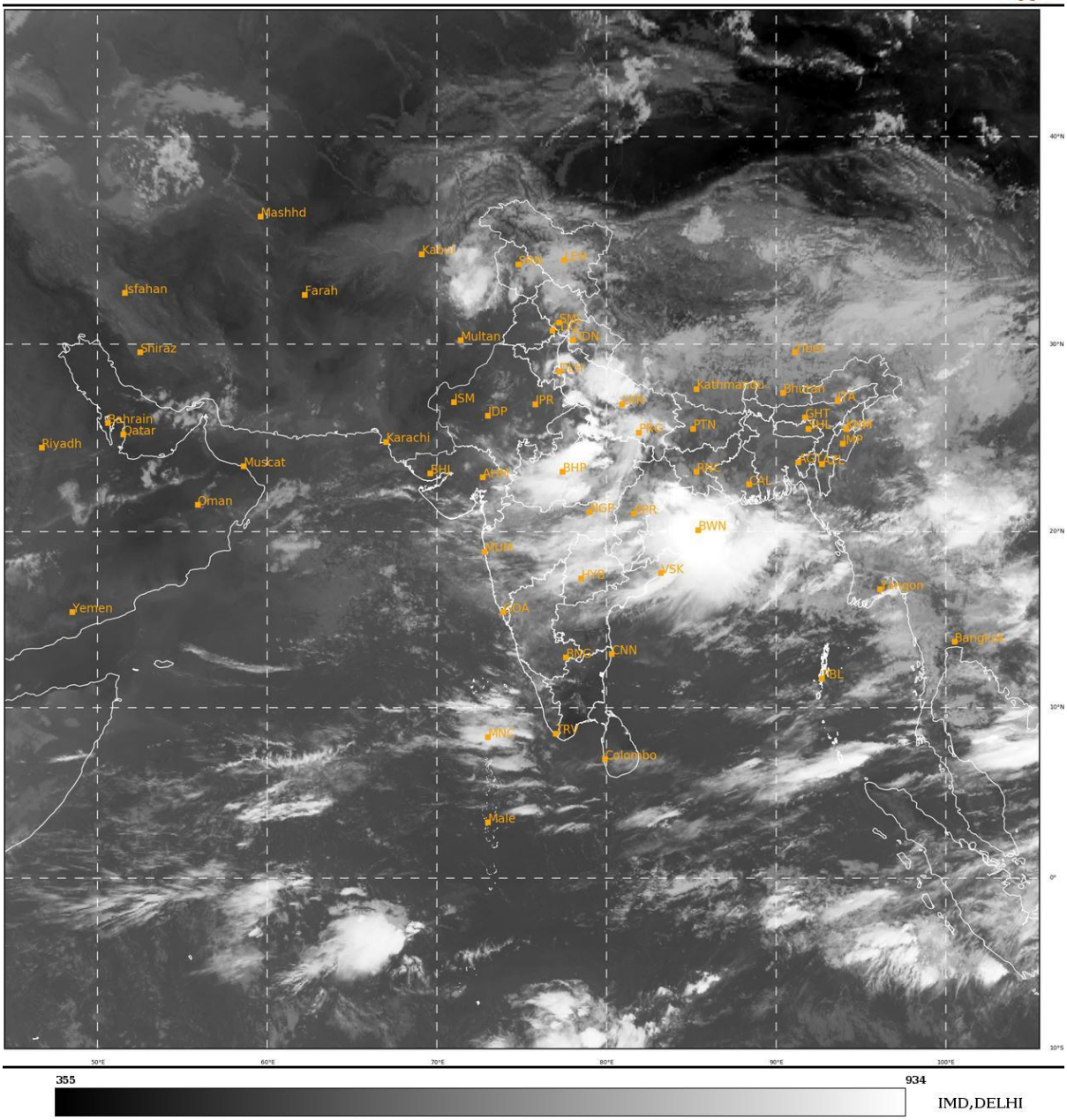
Cloud distribution: (a) Isolated: <25%, Scattered:25-50%, Broken: 51-75%, Solid:>75%, Convection Intensity: (a) Weak: Cloud Top Temperature (CTT) >-25°C, (b) Moderate: CTT: - 25°C to -40°C, (c) Intense: CTT: - 41°C to -70°C and (d) Very Intense: : Less than -70°C PROBABILITY OF CYCLOGENESIS (FORMATION 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

VARIOUS DETERMINISTIC MODELS INCLUDING ECMWF, IMD GFS, NCUM, NEPS AND GEFS ARE INDICATING LIKELY DEVELOPMENT OF CYCLONIC CIRCULATION AROUND 18TH JULY OVER NORTHWEST BAY OF BENGAL. UNDER THE INFLUENCE OF THE SAME, A LOW PRESSURE AREA (LPA) IS LIKELY TO FORM OVER NORTHWEST BOB & ADJOINING AREAS AROUND 20TH JULY. ONLY NCEP GFS SHOWING DELAYED FORMATION OF LPA OVER THE SAME REGION, BUT ALL MODELS FURTHER SUGGEST THAT THE LPA IS LIKELY TO INTENSIFY INTO A DEPRESSION AND MOVE WEST-NORTHWESTWARD TOWARDS INDIAN LANDMASS DURING SUBSEQUENT TWO DAYS. IMD GPP PRODUCT IS ALSO PREDICTING A ZONE OF MAXIMUM GPP ON 20TH JULY OVER NORTHWEST BOB.

Legends: IMD GFS: India Meteorological Department Global Forecast System, NCUM: National Centre for Medium Range Weather Forecasting Centre (NCMRWF) Unified Model, European Centre for Medium Range Weather Forecasting, GPP: Genesis Potential Parameter, National Centre for Environment Prediction GFS, ECMM: ECMWF multi model, GEFS: GFS ensemble, NEPS: NCUM ensemble prediction system, CNCUM: Coupled NCUM, CPC: Climate Prediction Center, NWS: National Weather Service)

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
L1C Mercator

15-07-2023/(0300 to 0326) GMT
15-07-2023/(0830 to 0856) IST



IMD,DELHI

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