



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

DEMS-RSMC SPECIAL TROPICAL CYCLONES NEW DELHI DATED 20.11.2021

TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0600 UTC OF 20.11.2021 BASED ON 0300 UTC OF 20.11.2021.

BAY OF BENGAL:

YESTERDAY'S WELL MARKED LOW PRESSURE AREA OVER NORTH INTERIOR TAMIL NADU AND ADJOINING KARNATAKA AND RAYALASEEMA WEAKENED INTO A LOW PRESSURE AREA OVER THE SAME REGION AT 0000 UTC AND BECAME LESS MARKED AT 0300 UTC OF TODAY, THE 20TH NOVEMBER, 2021.

SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER CENTRAL & SOUTH BAY OF BENGAL AND ANDAMAN 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

ARABIAN SEA:

SUB: WELL MARKED LOW PRESSURE AREA OVER EASTCENTRAL ARABIAN SEA

THE WELL MARKED LOW PRESSURE AREA OVER EASTCENTRAL ARABIAN SEA PERSISTED OVER THE SAME REGION AT 0300 UTC OF TODAY, THE 20TH NOVEMBER. IT IS LIKELY TO MOVE WEST-SOUTHWESTWARDS DURING NEXT 2-3 DAYS AND WEAKEN GRADUALLY.

AS PER SATELLITE IMAGERY AT 0300 UTC, INTENSITY OF THE SYSTEM IS CHARACTERIZED AS T 1.0. ASSOCIATED SCATTERED TO BROKEN LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER EASTCENTRAL ARABIAN SEA BETWEEN LATITUDE 13.0N & 16.0N AND LONGITUDE 65.5E & 70.0E. MINIMUM CLOUD TOP TEMPERATURE (CTT) IS MINUS 93⁰C. THE ASSOCIATED CONVECTION HAS INCREASED DURING PAST 06 HOURS.

SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER EASTCENTRAL ARABIAN SEA. SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER EASTCENTRAL ADJOINING SOUTHEAST ARABIAN SEA OFF KARNATAKA, KERALA COASTS.

SEA CONDITION WILL BE ROUGH TO VERY ROUGH OVER EASTCENTRAL ARABIAN SEA DURING NEXT 48 HOURS.

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:

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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SEA SURFACE TEMPERATURE (SST) IS ABOUT 28-29°C OVER EASTCENTRAL ARABIAN SEA, BECOMING <28°C OVER WESTERN PARTS OF THE ARABIAN SEA. TROPICAL CYCLONE HEAT POTENTIAL (TCHP) IS ABOUT 60-80 KJ/CM² OVER EASTCENTRAL ARABIAN SEA AND IS DECREASING TOWARDS WESTERN PARTS OF ARABIAN SEA. POSITIVE LOW LEVEL VORTICITY IS ABOUT 100X10⁻⁶ S⁻¹ OVER EASTCENTRAL ARABIAN SEA TO THE SOUTH OF SYSTEM CENTRE WITH VERTICAL EXTENSION UPTO 500 HPA LEVEL. POSITIVE LOW LEVEL CONVERGENCE IS ABOUT 10 X10⁻⁵ S⁻¹ TO THE SOUTHEAST OF SYSTEM CENTRE. POSITIVE UPPER LEVEL DIVERGENCE IS ABOUT 05 X10⁻⁵ S⁻¹ TO THE SOUTHEAST OF SYSTEM CENTRE. WIND SHEAR IS LOW TO MODERATE (15-20 KT) OVER EASTCENTRAL ARABIAN SEA OVER THE SYSTEM AREA. IT IS GRADUALLY INCREASING OVER AREAS TO THE SOUTHWEST OF SYSTEM CENTRE.

MOST OF THE MODELS ARE INDICATING VERY SLOW WEST-SOUTHWESTWARD MOVEMENT OF THE SYSTEM DURING NEXT 2-3 DAYS TOWARDS SOUTHWEST ARABIAN SEA.

UNDER THESE CONDITIONS, THE WELL MARKED LOW PRESSURE AREA OVER EASTCENTRAL ARABIAN SEA WOULD MOVE WEST-SOUTHWESTWARDS DURING NEXT 2-3 DAYS AND WEAKEN GRDUALY.

NEXT MESSAGE WILL BE ISSUED AT 0600 UTC OF 21ST NOVEMBER, 2021.

WML: WELL MARKED LOW PRESSURE AREA

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

20-11-2021/(0300 to 0327) GMT
20-11-2021/(0830 to 0857) IST

