



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

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 19.10.2026

TROPICAL WEATHER OUTLOOK FOR THE NORTH INDIAN OCEAN (THE BAY OF BENGAL AND THE ARABIAN SEA) VALID FOR THE NEXT 168 HOURS ISSUED AT 0600 UTC OF 19.10.2026 BASED ON 0300 UTC OF 19.10.2026.

BAY OF BENGAL:

(a) Yesterday's upper air cyclonic circulation over Southwest Bay of Bengal off north Tamilnadu coasts extending upto 5.8 km above mean sea level persists at 0300 UTC of today, the 19th October, 2026.

(b) Yesterday's upper air cyclonic circulation over Gulf of Thailand & neighbourhood extending upto 3.1 km above mean sea level persists at 0300 UTC of today, the 19th October, 2026.

Scattered to broken, low and medium clouds with embedded intense to very intense convection lay over the Bay of Bengal and Andaman 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

*NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY

ARABIAN SEA:

Yesterday's well marked low pressure area over southwest Arabian Sea persisted over the same region at 0300 UTC of today, the 19th October, 2026. There could be marginal intensification of the system into a depression temporarily over the same region during next 24 hours.

It is likely to be quasi-stationary over the same region during next 12 hours and then move initially west-northwestwards till 21st October and then southwestwards towards Somalia coast on 22nd Oct.

At 0300 UTC, the associated maximum sustained wind speed is 15 kt gusting to 25 kt and estimated central pressure is 1008 hPa.

Under its influence, squally weather with wind speed reaching 35-45 gusting to 55 kmph is likely to prevail over southwest Arabian Sea till 22nd Oct. However, there could be temporary increase in wind speed becoming 40-50 gusting to 60 kmph over the same region during next 24 hours. Squally weather with wind speed reaching 35-45 gusting to 55 kmph is likely to prevail along & off Socotra Islands during 20th to 22nd and Somalia coast during 21st & 22nd Oct.

Sea condition is likely to be rough to very rough over southwest Arabian Sea till 22nd Oct, around Socotra Island during 20th-22nd Oct. and along & off Somalia coast during 21st-22nd Oct.

Fishermen are advised not to venture into southwest Arabian Sea till 22nd Oct, around Socotra Island during 20th -22nd Oct. and along & off Somalia coast during 21st-22nd Oct.

The associated cyclonic circulation extends upto 9.6 km above mean sea level. It is likely to intensify into a depression over the same region during next 24 hours. It is likely to move initially east-northeastwards, recurve gradually northwestwards and move towards Somalia coast during next 2-3 days.

Scattered to broken, low and medium clouds with embedded intense to very intense convection lay over the southern Arabian Sea. Scattered low to medium clouds with embedded moderate to intense convection lay over the central Arabian Sea, Lakshadweep area, Maldives and Comorin area.

***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
LOW	NIL	NIL	NIL	NIL	NIL	NIL

***NOTE: EVERY 24HR FORECAST IS VALID UPTO 0300 UTC (0830 IST) OF NEXT DAY**

Remarks –

M.J.O. Index:

The guidance from various numerical models indicate that the Madden Julian Oscillation (MJO) is currently in Phase 3 with amplitude close to 1. It is likely to continue in same phase during next 7 days. Thus, MJO is favorable for enhancement of convective activity and cyclogenesis over the North Indian Ocean (NIO) including the Bay of Bengal (BoB) and the Arabian Sea (AS) during next 7 days.

Equatorial waves guidance:

The guidance from the NCICS model indicates the prevalence of westerly wind anomaly (5-7 mps) alongwith MJO & KW and an approaching ERW over central parts of south AS & adjoining Equatorial Indian Ocean (EIO) and easterly wind anomaly to its north during next 2 days. These features would support intensification of the well marked low pressure area on 19th Oct. Thereafter, the MJO & KW would move eastwards. However, the westerly wind anomaly would persist over the southwest AS and adjoining EIO alongwith easterly wind anomaly to its north extending upto North Somalia coast and Gulf of Aden till 23rd Oct., indicating favourable environment for maintenance of intensity of the system/ its associated cyclonic circulation while moving towards Somalia.

Thermodynamic features:

The Sea surface temperature is around 30°C over the system area and is slightly less towards Somalia coast around 29°C. The ocean heat content is around 60-80 KJ/cm² over southwest AS. The total precipitable imagery indicates warm moist air incursion into the system area. The IR-WV imagery indicates intense convection to the northwest & southeast of system centre. Water vapour imagery indicates higher moisture in the northern sector. The positive low level vorticity has decreased and is around $50 \times 10^{-6} \text{ s}^{-1}$ over the system area. Low level convergence has increased in past 12 hours and is around $20 \times 10^{-6} \text{ s}^{-1}$ to the west of system centre and upper level divergence is the same during past 12 hours and is around $20 \times 10^{-6} \text{ s}^{-1}$ to the northwest of system centre. Mid-shear is anticyclonic and low (5 kt-10 kt) over system area and 5-10 kt along the expected path.

Model Guidance:

ECMWF is indicating marginal intensification of system till 19/1200 UTC and weakening thereafter. NCEP GFS is indicating intensification during 20/0000 UTC to 20/1200 UTC. Other models like IMD GFS and NCUM-R are indicating this system as Low Pressure Area/Cyclonic circulation only. However, there is consensus wrt movement of the system. Most of the numerical models indicating the system to remain quasi stationary during the next 12 hours and then recurve west-northwestwards till 21st Oct and then southwestwards on 22nd Oct.

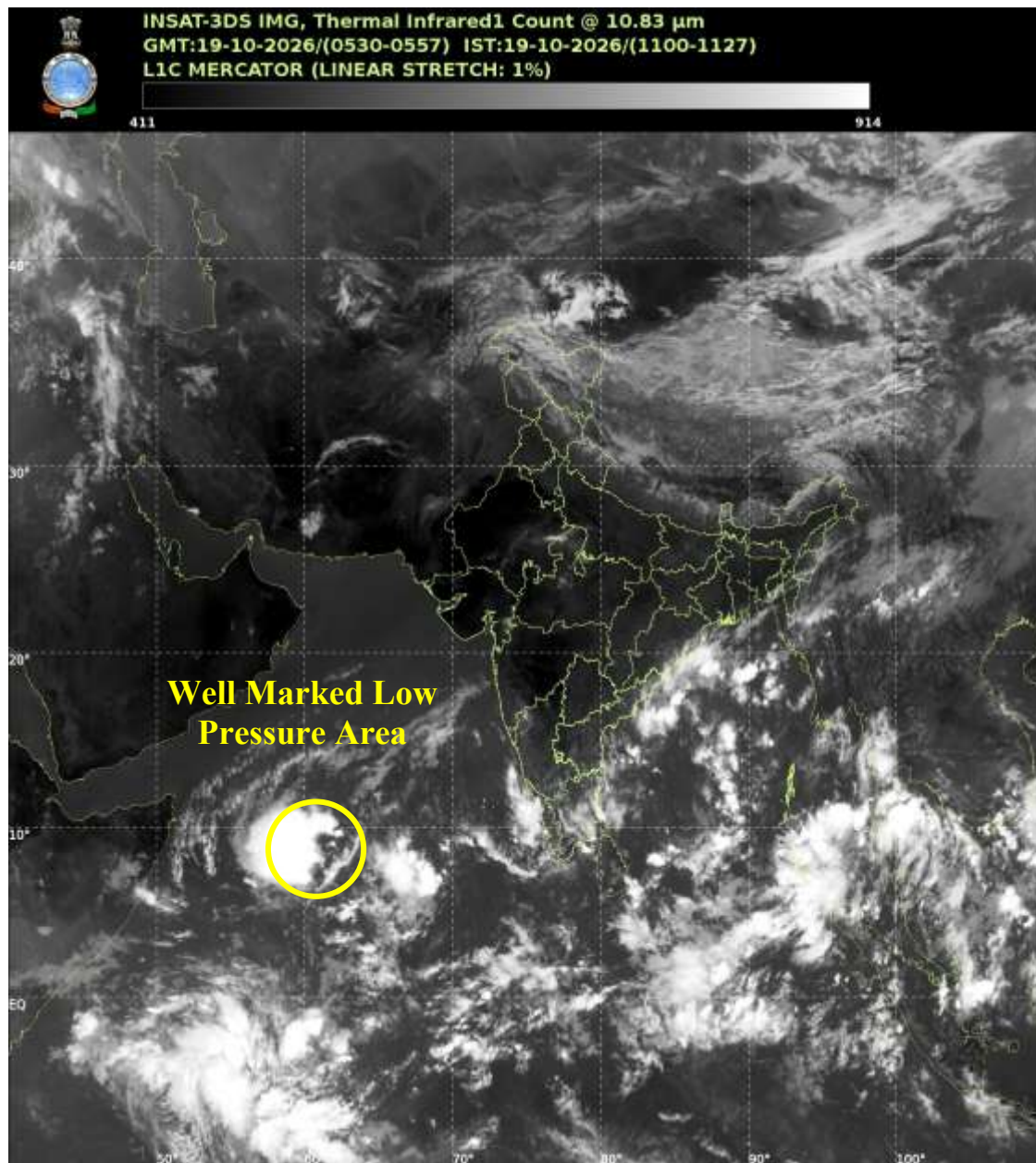
Confidence Level in estimation of following:

- (a) Current location and intensity: Moderate
- (b) Forecast Track: Moderate
- (c) Forecast intensity: Moderate

Hence, the well-marked low pressure area over southwest Arabian Sea is very likely to temporarily intensify marginally into a depression over the same region during next 24 hours.

It is likely to be quasi-stationary over the same region during next 12 hours and then move initially west-northwestwards till 21st October and then southwestwards towards Somalia coast on 22nd Oct.

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WML: Well marked Low Pressure Area