



Ministry of Earth Sciences
India Meteorological Department
Cyclone Warning Division, New Delhi

Tropical Cyclone Forecast Programme
Report Dated 29th October 2025

Time of Issue: 1330 UTC

Synoptic features (based on 0600 UTC analysis):

(A) Deep Depression [Remnant of Severe Cyclonic Storm “Montha”] over north Andhra Pradesh & adjoining areas of south Odisha, south Chhattisgarh and northeast Telangana

Severe cyclonic storm “Montha” [Pronunciation: Mon-Tha] over westcentral Bay of Bengal moved north-northwestwards till night (1500 UTC) of 28th October. Thereafter, it moved nearly west-northwestwards and crossed the Andhra Pradesh & Yanam coasts between Machilipatnam and Kalingapatnam, to the south of Kakinada, close to Narsapur near latitude 16.35N and longitude 81.70E during same midnight (18–19 UTC of 28th October 2025). Thereafter, it moved north-northwestwards and weakened into a cyclonic storm over Coastal Andhra Pradesh in the early morning hours (2100 UTC) and into a deep depression over Coastal Andhra Pradesh and adjoining Telangana in the noon (0300 UTC) over of 29th October. Further moving north-northwestwards, it lay centered at 1130 hrs IST of today, the 29th October 2025 over north Andhra Pradesh & adjoining areas of south Odisha, south Chhattisgarh and northeast Telangana, near latitude 17.7°N & longitude 81.1°E, about 20 km east of Bhadrachalam (Telangana), 110 km east-northeast of Khammam (Telangana), 110 km southwest of Malkangiri (Odisha) and 180 km south-southwest of Jagdalpur (Chhattisgarh).

It is likely to move north-northwestwards towards south Chhattisgarh and weaken into a depression during next 6 hours.

(B) Depression over Eastcentral Arabian Sea

- The Depression over eastcentral Arabian Sea remained practically stationary during past 6 hours and lay centered at 0600 of today, the 29th October 2025, over the same region, near latitude 17.9°N & longitude 69.2°E, about 410 km west-southwest of Mumbai (Maharashtra), 430 km southwest of Veraval (Gujarat), 560 km west-northwest of Panjim (Goa), 820 km northwest of Mangalore (Karnataka), 850 km north-northwest of Aminidivi (Lakshadweep).
- It is likely to move nearly west-northwestwards across Eastcentral Arabian Sea during next 36 hours.

Environmental Features based on 0600 UTC:

Parameter	Bay of Bengal (BoB)	Arabian Sea (AS)
Sea Surface Temperature (SST) °C	➤ Around 29°C over the system area and along the predicted path.	➤ Around 28 - 30 °C over eastcentral Arabian Sea, Lakshadweep Island, Maldives, Comorin areas, along and off Kerala, south Karnataka coast, parts of northwest Arabian Sea. ➤ 26-28°C over rest of the Arabian Sea.
Tropical Cyclone Heat Potential (TCHP) kJ/cm²	➤ 100-130 over northeast BoB, eastcentral BoB, south Andaman Sea and southern parts of south BoB. ➤ 80-90 over rest of BoB.	➤ 90-110 over southeast AS, Lakshadweep Islands, Maldives islands and Comorin area.

		➤ 50-60 over rest AS.
Cyclonic Relative - vorticity ($\times 10^{-6} \text{s}^{-1}$)	➤ About 150 around the system centre, extending up to 500 hPa level.	➤ About 100 around the system area, extending up to 700 hPa level.
Low-Level convergence ($\times 10^{-6} \text{s}^{-1}$)	➤ 10 around the system centre	➤ 10 to the east of system area.
Upper-Level divergence ($\times 10^{-6} \text{s}^{-1}$)	➤ 10 to the southwest & ➤ -10 to the northeast of system area.	➤ 20 to the northeast of system centre
Vertical Wind Shear (VWS knots) Low: 05-10 knots Moderate: 10-20 knots High: >20 knots	➤ Low to moderate over the system area and its surroundings.	➤ Low to moderate over the system area
Wind Shear Tendency (knots)	➤ Increasing over southwest BoB ➤ Increasing over northeast adjoining eastcentral BoB along Myanmar coast.	Increasing over the system area
Upper tropospheric Ridge	at 20°N	at 19° N.

Over the BoB & Andaman Sea:

As per INSAT 3DS imagery at 0600 UTC of 29th October, scattered to broken low/medium clouds with embedded intense to very intense convection lay over Telangana, adjoining Vidharbha, Rayalaseema, Coastal Andhra Pradesh, interior Karnataka, North Tamilnadu, and west central Bay of Bengal (minimum cloud top temperature is minus 70 to 90 degree Celsius)

Over the Arabian Sea:

As per INSAT 3DS imagery at 0600 UTC of 29th October, intensity of the system is T1.5. Associated scattered to broken, low and medium clouds with embedded intense to very intense convection lay over eastcentral & adjoining northeast Arabian Sea (Minimum cloud top temperature is minus 70 to 90 degree Celsius) and moderate to intense convection over Gujarat, Gulf of Cambay & Gulf of Kutch (Minimum cloud top temperature is minus 40 to 60 degree Celsius).

Outside India:

Scattered low/medium clouds with embedded moderate to intense convection Maldives, Nepal, Bhutan, Tibet, China, Thailand, Gulf of Thailand, Cambodia, Laos, Vietnam, Gulf of Tonkin, Hainan, Sumatra, Strait of Malacca, Malaysia, Borneo, South China Sea, Java Islands and Sea, Celebes Islands and Sea, Philippines and over Indian Ocean between latitudes 2.0°N to 20.0°S and longitudes 60.0°E to 120.0°E

M.J.O. Index:

The guidance from ECMWF model indicates that Madden Julian Oscillation (MJO) index is presently in phase 5 with amplitude around 2. It is likely to move across phase 5 with decreasing amplitude reaching close to 1 by 30th October. Thereafter, the amplitude will gradually decrease becoming less than 1 by 31st October.

Equatorial waves guidance:

Guidance from NCICS model indicates prevalence of strong westerly wind anomaly >9 mps over south Arabian Sea, south peninsular India and south Bay of Bengal along with MJO wave, equatorial wave, low frequency background wave over the region. In addition, Kelvin waves are also seen over Bay of Bengal. The model is also indicating strong easterly wind

anomaly >9 mps over north and adjoining central Arabian Sea and central India during 29th 31st October. Equatorial waves are likely to support the depression over eastcentral Arabian Sea to maintain its intensity during next two days and would also support enhancement of convective activity over central parts of India. Thereafter, from 1st November onwards weakening of easterly wind anomaly is indicated and the equatorial waves are also moving away.

NWP Guidance for FDP Cyclone:

MODEL GUIDANCE	Bay of Bengal (BoB)	Arabian Sea (AS)
IMD-GFS	Model is not indicating any significant system over BoB	Depression over eastcentral Arabian Sea as of today. Moving in southwest direction while weakening till 01 st November.
IMD-GEFS	-	-.
IMD-WRF	-	-
BFS	-	-
NCMRWF-NCUM(G)	Model is not indicating any significant system over BoB.	LPA over eastcentral Arabian Sea as of today. Moving in north-northeast direction and reach north Gujarat coast on 3 rd November as LPA becoming less marked near the coast thereafter.
NCMRWF-NCUM(R)	Model is not indicating any significant system over BoB for the next 3 days.	Depression over eastcentral Arabian Sea as of today. Moving in northeast direction while weakening till 01 st November.
NEPS	-	-
ECMWF	Model is not indicating any significant system over BoB.	Depression over eastcentral Arabian Sea as of today, moving in north-northeast direction towards north Gujarat coast while weakening. It will reach north Gujarat coast on 2 nd Nov/ 2100 UTC and less marked thereafter.
NCEP-GFS	Model is indicating a fresh low pressure area over north Andaman Sea close to Myanmar coast on 01 st Nov/18UTC. It will move northwestward direction towards Bangladesh adjoining West Bengal coast till 08 th Nov/00UTC as LPA, less marked thereafter.	Depression over eastcentral Arabian Sea as of today, moving in north-northeast direction towards north Gujarat coast while weakening. It will reach north Gujarat coast on 2 nd Nov/ 2100 UTC and less marked thereafter.
EC-AIFS	Model is indicating a fresh low pressure area over north Andaman Sea & adjoining eastcentral BoB, close to Myanmar coast on 03 rd Nov/00 UTC. It will move northwestward direction towards Bangladesh adjoining West Bengal coast till 08 th Nov/00UTC as	Depression over eastcentral Arabian Sea as of today, moving in north-northeast direction towards north Gujarat coast while weakening. It will reach north Gujarat coast on 1 st Nov/ 1200 UTC and less marked thereafter

	LPA, less marked thereafter.	
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Summary:

(a) Bay of Bengal:

Most of the models do not indicate any cyclogenesis over Bay of Bengal for the next seven days. However, NCEP-GFS and EC-AIFS models are indicating a fresh low pressure area over north Andaman Sea & adjoining south Myanmar coast around 2nd November, having its northwestwards movement without further intensification.

(b) Arabian Sea

Most of the models are suggesting the depression over the eastcentral Arabian Sea having northeastward movement towards Gujarat coast without weakening and reach Gujarat coast by around 01st November. All the models are indicating that the system will weaken near the coast.

Inference:

Considering various large-scale environmental features and model guidance, it is inferred that

(a) There is no cyclogenesis over Bay of Bengal for the next seven days.

(b) The depression over eastcentral Arabian Sea is likely to move nearly west-northwestwards across eastcentral Arabian Sea during next 36 hours.

Confidence Level:

- (i) Estimation of Current location: Moderate
- (ii) Estimation of Current Intensity: High
- (iii) Determination of forecast track: Moderate
- (iv) Determination of forecast intensity: Moderate

Both the systems are under continuous watch.

Probability of cyclogenesis (formation of depression and above intensity systems) over the Bay of Bengal during next 168 hours:

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

Probability of cyclogenesis (formation of depression and above intensity systems) over the Arabian Sea during next 168 hours:

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

“- “indicates genesis has already occurred.

Probability is indicated as NIL for 0%, LOW for 1-33%, MOD for 34-67% and High for 68-100%.

Every 24 hrs forecast ends at the 0300 UTC of date.

Intense Observation Period (IOP): IOP for Karnataka during 29th & 30th October; Konkan & Goa on 29th October; Gujarat during 29th October to 2nd November; north Tamil Nadu, Andhra Pradesh and Odisha on 29th.

Warnings in association with Deep Depression [Remnant of Severe Cyclonic Storm “Montha”] over north Andhra Pradesh & adjoining areas of south Odisha, south Chhattisgarh and northeast Telangana:

(i) Wind warning:

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over Westcentral Bay of Bengal and along & off Andhra Pradesh coast till evening of 29th October and decrease thereafter.
- Squally wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail over adjoining areas of northwest Bay of Bengal till evening of 29th October.
- **Coastal Andhra Pradesh & Yanam:** Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail till afternoon of 29th and decrease thereafter.
- **Telangana:** Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail till afternoon of 29th and decrease thereafter.
- **South Chhattisgarh and South interior Odisha:** Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail till afternoon of 29th and decrease thereafter.
- **Along & off south Odisha coast:** Squally wind speed reaching 35-45 kmph gusting to 55 kmph till 29th October afternoon and decrease gradually thereafter.
- **Along & off North Tamil Nadu & Puducherry coasts:** Squally wind speed reaching 35-45 kmph gusting 55 kmph till 29th afternoon and decrease further thereafter

(ii) Sea conditions:

- Sea condition is likely to be rough to moderate over Westcentral Bay of Bengal and along & off Andhra Pradesh coast till evening of 29th October and improve thereafter.
- Sea condition is likely to be moderate over adjoining areas of northwest Bay of Bengal till evening of 29th October and improve thereafter.
- Sea condition is likely to be moderate along & off South Odisha coast till 29th October afternoon and improve gradually thereafter.
- Sea condition is likely to be moderate along & off North Tamil Nadu & Puducherry coasts till 29th October afternoon and improve gradually thereafter.

(iii) Fishermen are advised not to venture into adjoining westcentral Bay of Bengal, along & off Andhra Pradesh & Yanam (of Puducherry) and adjoining North Tamil Nadu & south Odisha coasts till 29th October evening.

(iv) Impact Expected and Action Suggested due to heavy rain and strong winds (Andhra Pradesh & Yanam of Puducherry and adjoining Telangana)

- ❖ Breaking of tree branches. Damage to banana and papaya trees. Large dead limbs blown from trees.
- ❖ Damage to paddy crops, horticultural and standing crops and orchards due to inundation & winds.
- ❖ Inundation of low-lying areas in coastal districts due to heavy rainfall and flash flood
- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic due to water logging and squally winds
- ❖ Localized Landslides/Mudslides It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic due to water logging and squally winds
- Localized Landslides/Mudslides It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

Action suggested:

- ❖ Total suspension of fishing operations upto afternoon of today, the 29th October.
- ❖ People in affected areas to remain indoors.
- ❖ Movement in motor boats unsafe.
- ❖ Judicious regulation of offshore/onshore operations
- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Surface transport and helicopter services to be regulated.

Warnings in association with system over Arabian Sea:**(i) Wind warning:**

- Squally wind with speed reaching 45-55 gusting to 65 kmph prevailing around the system center and continue to prevail over Eastcentral and adjoining Southeast Arabian Sea till 29th October.
- Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts till 30th October.

(ii) Sea condition:

- Sea Condition is likely to be rough to very rough over Eastcentral Arabian Sea till 30th October.
- Rough Sea Condition is prevailing over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts and likely to become rough to very rough during 29th to 30th October.

(iii) Fishermen warnings:

- Fishermen are advised not to venture into Eastcentral Arabian Sea till 29th, Southeast Arabian Sea till 28th October, Lakshadweep & Comorin Area and along & off Karnataka and Kerala coasts till 28th October, northeast Arabian Sea and along & off Maharashtra and Gujarat coasts till 30th October.

(iv) Impact Expected and Action Suggested due to heavy rain and strong winds (Kerala, coastal Karnataka, Konkan & Goa and Gujarat state)**Impact expected:**

- Breaking of tree branches. Strong wind and heavy rain may damage plantation, horticulture and standing crops.
- Minor damage to kutcha houses/walls, huts and roads due to strong winds and heavy rain.
- Road and rail traffic may be affected due to heavy rain.
- There could be localised flash floods, landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- Occasional reduction in visibility due to heavy rainfall.
- Surface & Helicopter services may be regulated.
- Small ships & country boats would be affected due to strong wind and heavy rain.

Action suggested:

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Take safe shelters; do not take shelter under trees, as there could be lightning.
- In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- Tourism and recreational activities to be regulated.
- Surface transport and helicopter services to be regulated.

















