



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

Tropical Cyclone Forecast Programme
Report Dated 27th October 2025

Time of Issue: 1400 UTC

Synoptic features (based on 0600 UTC analysis):

- The Cyclonic Storm “Montha” [Pronunciation: Mon-Tha] over Southwest & adjoining areas of Westcentral and Southeast Bay of Bengal moved north-northwestwards with a speed of 17 kmph during past 6 hours and lay centered at 0600 UTC of today, the 27th October 2025, over the same region, near latitude 12.8°N & longitude 84.6°E, about 480 km east of Chennai (43279), 530 km south-southeast of Kakinada (43189), 560 km south-southeast of Visakhapatnam (43149), 720 km south of Gopalpur (43049) and 890 km west of Port Blair (43333).
- The Depression over eastcentral Arabian Sea moved north north-eastwards with a speed of 12 kmph during past 6 hours and lay centered at 0600 UTC of today, the 27th October 2025, over the same region, near latitude 16.6°N & longitude 67.2°E, about 580 km south-west of Veraval (42909), 660 km west-southwest of Mumbai (43003), 720 km west of Panjim (43192), 850 km northwest of Aminidivi (43311) and about 920 km west-northwest of Mangalore (43284).

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 200 to the west of the system centre.	➤ About 100 to the North Eastern sector of system area, extending up to 700 hPa level. It is southwest-northeast oriented and is extending upto west coast of India
Low-Level convergence ($\times 10^{-6} \text{s}^{-1}$)	➤ About 50 to the west of the system centre	➤ About 20 to northeast of system area along the west coast of India.

Upper-Level divergence (X10-6 s-1)	➤ About 40 to the west of the system centre	➤ Three positive zones of upper-level divergence are seen around the centre ($30 \times 10^{-6} \text{ s}^{-1}$) to the another zone of ($20 \times 10^{-6} \text{ s}^{-1}$) to the northeast of system area and another zone of $30 \times 10^{-6} \text{ s}^{-1}$ to southeast of system area along the west coast of India
Vertical Wind Shear (VWS knots) Low: 05-10 knots Moderate: 10-20 knots High: >20 knots	➤ Low in both middle and deep layer over the system area and along the predicted path.	➤ Low to moderate over central parts of AS.
Wind Shear Tendency (knots)	➤ Decreasing over system area, along the forecast path	Decreasing along the forecast path
Upper tropospheric Ridge	➤ At 19° N.	➤ At 17° N.

Over the BoB & Andaman Sea:

As per INSAT 3DS imagery at 0600 UTC of 27th October, the intensity of the system is T2.5. The clouds are organized in curved band patterns. Associated scattered to broken low/medium clouds with embedded intense to very intense convection lay over central & adjoining south Bay of Bengal between latitude 7.0° N to 20.0° N and longitude 78.0° E to 91.0° E and coastal Odisha, south Interior Karnataka, North Interior Karnataka, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Kerala, Andaman & Nicobar Island (minimum cloud top temperature is minus 70 to 90 degree Celsius) and moderate convection over Rest part of Odisha, Chhattisgarh, South Jharkhand, Telengana, Vidhrbha, Marthawda (minimum cloud top temperature is minus 40 to 70 degree Celsius).

Over the Arabian Sea:

As per INSAT 3DS imagery at 0600 UTC of 27th October, vortex over eastcentral Arabian Sea & neighbourhood with Intensity T1.5. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over central & adjoining south Arabian Sea, between latitude 8.0° N to 20.0° N, longitude 60.0° E to 73.0° E and adjoining Gujarat. (Minimum cloud top temperature is minus 70 to 90 degree Celsius). Moderate to intense convection also seen over Maharashtra, Rajasthan, Uttar Pradesh. Southeast Haryana, West Madhya Pradesh (Minimum cloud top temperature is minus 40 to 70 degree Celsius).

Outside India:

Scattered low/medium clouds with embedded moderate to intense convection over Sri Lanka, Palk Strait, Gulf of Mannar, Maldives, Pakistan Tibet, China, Yellow Sea, East China Sea, Myanmar, 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, Sulu Sea, Madagascar and over Indian Ocean between latitudes 5.0° N to 20.0° S and longitudes 40.0° E to 10.0° E

M.J.O. Index:

The guidance from ECMM 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 till 30th October. Thereafter, it is likely to move across phase 5 with amplitude becoming less than 1 by 31st October. The phase and amplitude of MJO is highly favourable for enhancement of convective activity over the Bay of Bengal (BoB) and Arabian Sea till 29th October, and further to the north on 31st October.

Equatorial waves guidance:

Guidance from NCICS model indicates enhanced westerly wind anomaly over southern parts of the North Indian Ocean (NIO) including the south BoB & south Arabian Sea (AS) and adjoining Equatorial Indian Ocean (EIO) on 27th October with slight decreasing trend thereafter during 28th October-2nd November. The westerly wind burst is likely to prevail over the southern parts of the NIO and adjoining EIO till 30th October. The model also indicates prevalence of equatorial Rossby wave (ERW), MJO, low frequency background wave (LW) over the same region during 27th -30th October. The model guidance also indicates prevalence of easterly wind anomaly over westcentral BoB (7-9 mps) & over south Andaman Sea (3-5 mps) during initial few days of week 1. Thereafter easterly wind anomaly (1-3 mps) is likely over central parts of BoB. Over the AS, the model is indicating easterly wind anomaly (5-7 mps) over southwest & adjoining west-central AS on 27th October. Thus, equatorial waves are likely to support the convective activity associated with both the cyclonic disturbances over eastcentral Arabian Sea and over the Northeast Arabian Sea and west central and Northwest BoB during 27th to 30th October.

NWP Guidance for FDP Cyclone:

MODEL GUIDANCE	Bay of Bengal (BoB)	Arabian Sea (AS)
IMD-GFS	CS over southwest and adjoining westcentral Bay of Bengal (BoB) as of today. Moving West-northwest wards and become SCS on or around 28/00 UTC over westcentral BoB. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada as CS/SCS around 29/00 UTC. Weakening over land thereafter.	Depression over eastcentral Arabian Sea as of today. Moving NNE towards Gujarat coast till 02 Nov while weakening, less marked thereafter near the coast.
IMD-GEFS	CS over southwest and adjoining westcentral Bay of Bengal (BoB) as of today. Moving West-northwest wards and become SCS on or around 28/00 UTC over westcentral BoB. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada as CS/SCS around 29/00 UTC. Weakening over land thereafter.	Depression over eastcentral Arabian Sea as of today. Moving NNE towards Gujarat coast till 02 Nov while weakening, less marked thereafter near the coast.
IMD-WRF	-	-
BFS	CS over southwest and adjoining westcentral Bay of Bengal (BoB) as of today.	Depression over eastcentral Arabian Sea as of today. Moving NNE towards Gujarat

	Moving West-northwest wards and become SCS on or around 28/00 UTC over westcentral BoB. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada as CS/SCS around 29/00 UTC. Weakening over land thereafter.	coast till 02 Nov while weakening, less marked thereafter near the coast.
NCMRWF-NCUM(G)	LPA over southwest BoB as on today, moving northwestwards and become depression on 28/00 over westcentral BoB. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada on 29/00 UTC as depression, weakening thereafter.	Extended low over eastcentral Arabian Sea as of today. Moving in NE direction and LPA over the same region on 28/00. Moving in the same direction and reach the coast as LPA on 02 Nov. Less marked thereafter.
NCMRWF-NCUM(R)	DD over southwest and adjoining westcentral Bay of Bengal (BoB) as of today. Moving West-northwest wards and lay over westcentral BoB as a DD. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada as DD around 29/00 UTC. Weakening over land thereafter.	Depression over eastcentral Arabian Sea as of today. Moving in NNE direction during next three days and lay over the same region as a DD on 30/00 UTC.
NEPS	CS over southwest and adjoining westcentral Bay of Bengal (BoB) as of today. Moving West-northwest wards and become SCS on or around 28/00 UTC over westcentral BoB. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada as CS/SCS. Weakening over land thereafter.	Depression over the eastcentral Arabian Sea as of today. Moving in the NE direction and becoming CS over the same region on 30/00 UTC. Moving in the same direction towards Gujarat coast and reach the coast as a DD on 01 Nov. Weakening over the land thereafter.
ECMWF	CS over southwest and adjoining westcentral Bay of Bengal (BoB) as of today. Moving West-northwest wards and become SCS around 28/09 UTC over westcentral BoB. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada as CS on 28/18 UTC. Moving then over land in NNE direction till 01 Nov while weakening gradually.	Depression over eastcentral Arabian Sea as of today. Moving NNE towards Gujarat coast till 02 Nov and lay over eastcentral and adjoining northeast Arabian Sea as an LPA. Less marked thereafter near the coast.
NCEP-GFS	CS over southwest and adjoining westcentral Bay of Bengal (BoB) as of today. Moving West-northwest wards and become SCS around 28/00 UTC over westcentral BoB.	Depression over eastcentral Arabian Sea as of today. Moving in NE direction towards Gujarat coast and cross the coast as depression on 31/00 UTC. Less marked thereafter.

	Moving then in NNE direction and cross the Andhra Pradesh coast near Visakhapatnam as a DD on 29/06 UTC. Weakening gradually over land thereafter.	
EC-AIFS	CS over southwest and adjoining westcentral Bay of Bengal (BoB) as of today. Moving West-northwest wards and become SCS around 28/09 UTC over westcentral BoB. Moving in the same direction and cross the Andhra Pradesh coast near Kakinada as CS on 28/21 UTC. Moving then over land in NNE direction till 01 Nov while weakening gradually.	Depression over eastcentral Arabian Sea as of today. Moving NNE towards Gujarat coast till 02 Nov and lay over eastcentral and adjoining northeast Arabian Sea as an LPA. Less marked thereafter near the coast.

Summary:

(a) Bay of Bengal:

There is good consensus among various models w.r.t further intensification of the current Cyclonic Storm over southwest and adjoining westcentral Bay of Bengal during next 24 hours and its movement towards Andhra Pradesh coast. All the models are indicating landfall over north Andhra Pradesh coast. As per the guidance from various models, the landfall point is varying between Machilipatnam and Vizianagram. The landfall time varies between 28/1800 UTC to 29/0600 UTC.

(b) Arabian Sea

Most of the models are suggesting north-northeastward movement of the system. However, NEPS model is suggesting its intensification into a Deep Depression or more during next 48 hours.

Inference:

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

- (a) The Cyclonic Storm “Montha” [Pronunciation: Mon-Tha] is very likely to move north-northwestwards and intensify into a severe cyclonic storm by 0000 UTC of 28th October. Continuing to move further north-northwestwards, it is very likely to cross Andhra Pradesh coast between Machilipatnam (43185) and Kalingapatnam (43105) around Kakinada (43189) during 1200-1800 UTC of 28th October as a severe cyclonic storm with a maximum sustained wind speed of 90-100 kmph gusting to 110 kmph.

Confidence Level:

- (i) Estimation of Current location: High
- (ii) Estimation of Current Intensity: High
- (iii) Determination of forecast track: High
- (iv) Determination of forecast intensity: High
- (v) Determination of Landfall Point: High
- (vi) Determination of Landfall Time: Moderate

- (b) The depression over eastcentral Arabian Sea is likely to move nearly north-northeastwards across eastcentral Arabian Sea during next 48 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

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

“- “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, Konkan & Goa, Gujarat, Tamil Nadu and Sri Lanka during 27th to 28th; Andhra Pradesh and Odisha during 27th to 29th.

Warnings in association with Cyclonic Storm “Montha” over Bay of Bengal:

(i) Wind warning:

- ❖ Gale wind speed reaching 70-80 kmph gusting to 90 kmph is prevailing over southwest & adjoining areas of westcentral Bay of Bengal. Thereafter, winds would increase becoming 80-90 kmph gusting to 100 kmph over westcentral from 27th October evening and would further increase to 90 to 100 kmph from 28th October morning. The squally wind speed reaching adjoining northwest Bay of Bengal 30-40 kmph gusting to 50 kmph is prevailing over adjoining areas of northwest Bay of Bengal and likely to increase becoming gale wind speed reaching 60-70 kmph gusting to 80 kmph over the same region from evening of 28th morning till 29th morning and decrease gradually squally wind speed reaching 35-45 kmph gusting to 55 kmph on 30th October morning.
- ❖ **Along & Off Andhra Pradesh & Yanam Coasts:** Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph is prevailing along & off Andhra Pradesh & Yanam (of Puducherry) coasts, becoming gale wind speed reaching 60-70 kmph gusting to 80 kmph from 28th morning, 90-100 kmph gusting to 110kmph from 28th evening to early hours of 29th October. It would decrease gradually to 60-70 kmph gusting to 80 kmph by 29th October noon, along and off North Andhra Pradesh and Yanam coasts. The winds would be squally wind speed reaching 45-55 kmph gusting 65 kmph by 29th October evening and decrease gradually thereafter over the region.
- ❖ **Along & Off Tamil Nadu & Puducherry Coasts:** Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail along & off Tamil Nadu - Puducherry coast on 27th and becoming 45-55 kmph gusting to 65 kmph by 27th morning to 28th October morning. It would decrease gradually thereafter.

- ❖ **Along & Off Odisha Coast:** Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is prevailing along & off south Odisha coast, it is likely to increase becoming 45-55 kmph gusting to 65 kmph from 27th evening, becoming gale wind speed reaching, 60-70 kmph gusting to 80 kmph from 28th evening to early hours of 29th October early hours. It would be squally wind speed reaching 45-55 kmph gusting to 65 kmph along and off south Odisha coast till 29th October evening and decrease gradually thereafter. Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail along and off north Odisha coast from 28th evening to early hours of 29th October, 40-50 kmph gusting to 60 kmph till 29th October evening, and decrease gradually thereafter.
- ❖ **Along & Off West Bengal coast:** Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely to prevail along & off west Bengal coast from 28th to 29th October.

(ii) Sea conditions:

- ❖ Very rough to High Sea conditions are prevailing over southwest and adjoining areas of West central Bay of Bengal.
- ❖ Sea condition is very likely to be high to very high over westcentral Bay of Bengal from 27th October evening, becoming very high from 28th October morning till 29th early hours. Thereafter, it is likely to improve by becoming very high to very rough by noon of 29th and becoming very rough to rough during subsequent 12 hours. Moderate to rough sea conditions are prevailing over adjoining areas of northwest Bay of Bengal. It is likely to worsen becoming very rough to high from 28th morning till 29th morning and thereafter gradually improve becoming rough till 30th morning.
- ❖ **Along & Off Andhra Pradesh & Yanam Coasts:** Sea condition is very likely to be rough to very rough along & off Andhra Pradesh & Yanam (of Puducherry) coasts till 27th October morning. It would worsen further becoming very rough to high from 28th morning onwards and very high from 28th evening to 29th October early hours. Thereafter, it would improve becoming high till noon of 29th October and very rough to rough during subsequent 12 hours.
- ❖ **Along & Off Odisha Coast:** Sea condition is very likely to be rough to very rough along & off Odisha coast till 27th evening. It would worsen further becoming high from 28th morning to till 29th October early hours. It is likely to improve gradually becoming very rough to rough during subsequent 12 hours.
- ❖ **Along & Off Tamil Nadu & Puducherry Coasts:** Sea condition is very likely to be rough to very rough along & off Tamil Nadu - Puducherry coast till 28th October.
- ❖ **Along & Off West Bengal coast:** Sea condition is very likely to be rough along & off West Bengal coasts during 28th-29th October and improve thereafter.

(iii) Fishermen Warning:

- ❖ Fishermen are advised not to venture into Southwest, adjoining central Bay of Bengal, along & off Tamil Nadu - Andhra Pradesh & Yanam (of Puducherry) coasts till 29th October, along & off Odisha coast till 29th October and along & off West Bengal coast during 28th-29th October. Those out at sea area should return to the coast immediately.

(iv) Impact Expected and Action Suggested due to heavy rain and strong winds (Andhra Pradesh & Yanam of Puducherry [Tirupati, Annamayya, Nellore, YSR Kadapa, Prakasham, Bapatla, Chittor, Nadyal, Palnadu, Guntur, Krishna, East & West Godavari, Konaseema, Kakinada, Anakapalli, Alluri Seetharamaraju, Visakhapatnam, Eluru, Vizianagaram, Srikakulam, Parvathi Puram Manyam] and South Odisha coasts [Ganjam, Gajapati, Rayagada, Malkangiri, Koraput, Nawarangpur, Kalahandi, Kandhamal, Nuapada, Boudh])

- ❖ Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly.
- ❖ Damage to power and communication lines.
- ❖ Major damage to Kutcha and some damage to Pucca roads. Flooding of escape routes.
- ❖ Breaking of tree branches, uprooting of large avenue trees. Large-scale 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)
- ❖ Damage to embankments/ salt pans.
- ❖ Possibility of coastal flooding and coastal erosion is also very likely over coastal districts of north Andhra Pradesh & Yanam.

Action suggested:

- ❖ Total suspension of fishing operations.
- ❖ Coastal hutment dwellers to be moved to safer places. People in affected areas to remain indoors.
- ❖ Movement in motorboats 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 27th October.
- Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over Lakshadweep & Comorin Area and along & off Karnataka and Kerala coasts till 27th October, and wind speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts on 27th October. It is likely to increase becoming 45-55 kmph gusting to 65 kmph during 28th to 30th October.

(ii) Sea condition:

- Sea Condition is likely to be rough to very rough over eastcentral and adjoining Southeast Arabian Sea till 27th October.
- Sea Condition is likely to be rough over Lakshadweep & Comorin Area and along & off Karnataka and Kerala coasts till 27th October.

- Sea Condition is likely to be moderate to rough over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts on 27th October, rough to very rough during 28th to 30th October.

(iii) Fishermen warnings:

- Fishermen are advised not to venture into eastcentral Arabian Sea till 29th, Southeast Arabian Sea till 27th October, Lakshadweep & Comorin Area and along & off Karnataka and Kerala coasts till 27th 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 (Lakshadweep Islands & Kerala)

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.

















