



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

Tropical Cyclone Forecast Programme
Report Dated 31st October 2025

Time of Issue: 1200 UTC

Synoptic features (based on 0600 UTC analysis):

- The upper air cyclonic circulation over Gulf of Thailand lay over South Myanmar coast and adjoining north Andaman Sea and extended upto 5.8 km above mean sea level. Under its influence a low pressure area is likely to form over eastcentral Bay of Bengal during next 48 hours.
- The Depression over eastcentral Arabian Sea moved north-northeastwards with a speed of 5kmph during past 6 hours and lay centered 0600 UTC of today, the 31st October 2025, over the same region, near latitude 18.9°N & longitude 68.5°E, about 300 km southwest of Veraval (Gujarat), 320 km southwest of Diu, 460 km west of Mumbai (Maharashtra) and 680 km west-northwest of Panjim (Goa). It is likely to move nearly north-northeastwards towards Gujarat coast across Eastcentral Arabian Sea during next 24 hours and weaken gradually thereafter.

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 & 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 ($\times 10^{-6} \text{s}^{-1}$)	➤ 40-50 over north Andaman Sea, and Thailand	➤ About 100 around the system area, extending towards northeast AS and up to 700 hPa level North Maharashtra..
Low-Level convergence ($\times 10^{-6} \text{s}^{-1}$)	➤ 5 north Andaman Sea adjoining Thailand coast	➤ 10 to the northeast of system area over North Maharashtra..
Upper-Level divergence ($\times 10^{-6} \text{s}^{-1}$)	➤ 10 north Andaman Sea ➤ 5-10 over some part of southwest BoB adjoining north Sri Lanka coast	➤ 10 to the northeast of system centre over North Maharashtra.
Vertical Wind Shear	➤ Low to moderate	➤ Low to moderate over the

(VWS knots) Low: 05-10 knots Moderate: 10-20 knots High: >20 knots	north & adjoining north BoB	system area
Wind Shear Tendency (knots)	➤ Increasing over south adjoining westcentral BoB & Andaman Sea	➤ Increasing over the system area
Upper tropospheric Ridge	at 20° N	at 20° N.

Over the BoB & Andaman Sea:

As per INSAT 3DS imagery at 0600 UTC, scattered to broken low to medium clouds with embedded intense to very intense convection lay over east Bay of Bengal & Andaman Sea and Gulf of Martaban. Scattered low to medium clouds with embedded isolated weak to moderate convection lay over southwest Bay of Bengal

Over the Arabian Sea:

As per INSAT 3DS imagery at 0600 UTC of 31th October, vortex over eastcentral Arabian Sea & neighbourhood centred near 18.9°N / 68.5°E Associated scattered to broken low to medium clouds with embedded intense to very intense convection over eastcentral and adjoining northeast Arabian Sea, Gujarat, Gulf of Cambay & Gulf of Kutch (minimum cloud top temperature is -70 to -90°C). Scattered low and medium clouds with embedded isolated weak to moderate convection lay over Gulf of Kutch and rest parts of the Arabian Sea.

Outside India:

Scattered low to medium clouds with embedded moderate to intense convection Nepal, Bhutan, Tibet, China, Yellow Sea, East China Sea, Taiwan, Myanmar, Thailand, Gulf of Thailand, Cambodia, Laos, Vietnam, Gulf of Tonkin, Hainan, Sumatra, Strait of Malacca, Malaysia, Borneo, South China Sea, Java Islands & Sea, Celebes Islands & Sea, Philippines, Sulu Sea and over Indian Ocean between latitudes 5.0°N to 20.0°S and longitudes 50.0°E to 120.0°E.

M.J.O. Index:

The guidance from ECMM model indicates that Madden Julian Oscillation (MJO) index is presently in phase 5 with amplitude greater than 1. It will be in same phase till 11th November with amplitude greater than 1.

Equatorial waves guidance:

Guidance from NCICS model indicates prevalence of strong westerly wind anomaly 7-9 mps over south & central AS, peninsular and adjoining central India and entire BoB except northern parts of BoB, along with MJO signal propagating eastwards across southern parts of NIO and low frequency background wave over the region. The model is also indicating strong easterly wind anomaly 5-7 mps over north Arabian Sea and central India during 31st to 1st November. Equatorial Rossby waves over north & central BoB, peninsular India and south & adjoining eastcentral AS are likely to support the depression over eastcentral Arabian Sea to maintain its intensity during next two days. The convective coupled equatorial waves 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 from the region except the low frequency waves and ERW over north AS.

NWP Guidance for FDP Cyclone:

MODEL GUIDANCE	Bay of Bengal (BoB)	Arabian Sea (AS)
IMD-GFS	Model is indicating a cyclonic circulation over north Andaman Sea & adjoining eastcentral BoB on 31 st October to 01 st November.	Depression over eastcentral Arabian Sea as of today, moving in northeast direction towards Gujarat coast till 2 nd November 2025 and less marked thereafter.
IMD-GEFS	-	-.
IMD-WRF	-	-
BFS	Model is indicating a cyclonic circulation over north Andaman Sea & adjoining eastcentral BoB on 31 st October to 01 st November.	Depression over eastcentral Arabian Sea as of today, moving in northeast direction towards Gujarat coast till 2 nd November 2025 and less marked thereafter.
NCMRWF-NCUM(G)	LPA over eastcentral adjoining northeast BoB (14.0 N/91.0E) on 4 th November moving north-northwestwards till 6 th November & less marked thereafter.	LPA over eastcentral Arabian Sea as of today, moving in northeast direction towards Gujarat coast till 2 nd November 2025 and less marked thereafter.
NCMRWF-NCUM(R)	Cyclonic circulation over eastcentral BoB adjoining north Andaman Sea on 1 st November moving northwestwards till 3 rd November.	LPA over eastcentral Arabian Sea as of today, moving in northeast direction towards Gujarat coast till 2 nd November 2025 and less marked thereafter.
NEPS	LPA over eastcentral adjoining northeast BoB (14.0N/91.0E) on 2 nd November moving north-northwestwards till 6 th November & less marked thereafter.	D over eastcentral Arabian Sea as of today, moving in northeast direction while weakening and become less marked by 2 nd November 2025.
ECMWF	Model is indicating a low pressure area forming over eastcentral BoB adjoining north Andaman Sea (15.7 N/ 94.4E) on 2 nd November/ 09 UTC moving in north-northeast direction along Myanmar & Bangladesh coasts till 5 th November/ 18 UTC & less marked thereafter.	Depression over eastcentral Arabian Sea as of today, moving in northeast direction towards Gujarat coast while weakening & less marked thereafter near the coast.
NCEP-GFS	Model is indicating a low pressure area forming over eastcentral BoB off Myanmar coast (17.7 N/ 92.3E) on 4 th November/ 00 UTC moving in north-northeast direction along Myanmar & Bangladesh coasts till 5 th November/ 00 UTC & less marked thereafter.	Depression over eastcentral Arabian Sea as of today, moving in northeast direction towards Gujarat coast while weakening & less marked thereafter near the coast.
EC-AIFS	Model is indicating a low pressure area forming over eastcentral BoB off Myanmar coast (16.3 N/ 93.2E) on 2 nd November/ 00 UTC moving in north-northeast direction along Myanmar & Bangladesh coasts till 5 th November/ 00	Depression over eastcentral Arabian Sea as of today, moving in northeast direction towards Gujarat coast while weakening & less marked thereafter near the coast.

	UTC & less marked thereafter.	
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Summary:

(a) Bay of Bengal:

Most of the models are indicating a fresh low pressure area over eastcentral Bay of Bengal off Myanmar coast around 2nd November, having its north-northwestwards movement towards Bangladesh coast without further intensification till 5th November.

(b) Arabian Sea

Most of the models are suggesting the depression over the eastcentral Arabian Sea having northeastward movement towards Gujarat coast till 01st November. All the models are indicating that the system will weaken northeast AS off south Gujarat coast during subsequent 24 hours.

Inference:

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

- (a) A fresh low pressure area is likely to form over eastcentral Bay of Bengal off Myanmar coast around 2nd November. It will move in north-northwest direction towards Bangladesh coast without further intensification and less marked near the coast around 5th November.

Confidence Level:

- (i) Confidence level in forecast of formation of low pressure area: High
- (ii) Confidence level in forecast of location of low pressure area: High

- (b) The depression over eastcentral Arabian Sea is likely to move nearly north-northeastwards towards Gujarat coast across eastcentral Arabian Sea during next 24 hours and weaken gradually thereafter.

Confidence Level:

- (iii) Estimation of Current location: Moderate
- (iv) Estimation of Current Intensity: Moderate
- (v) Determination of forecast track: Moderate
- (vi) 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	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 Gujarat during 31st October to 2nd November; north Konkan on 31st November and 1st November; Andaman & Nicobar Islands during 31st October to 4th November.

Warnings in association with system over Arabian Sea:

(i) Wind warning:

- Squally wind with speed reaching 45-55 gusting to 65 kmph is likely to prevail around the system center over Eastcentral Arabian Sea till 31st October.
- Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over northeast Arabian Sea and along & off Maharashtra and Gujarat coasts till 31st October evening, becoming 35-45 kmph gusting to 55 kmph till 1st November.

(ii) Sea condition:

- Sea Condition is likely to be rough to very rough over Eastcentral and northeast Arabian Sea & along & off Maharashtra and Gujarat coasts till 31st 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 on 1st November.
- **Fishermen warnings:**
- Fishermen are advised not to venture into Eastcentral & northeast Arabian Sea and along & off Maharashtra and Gujarat coasts till 1st November.

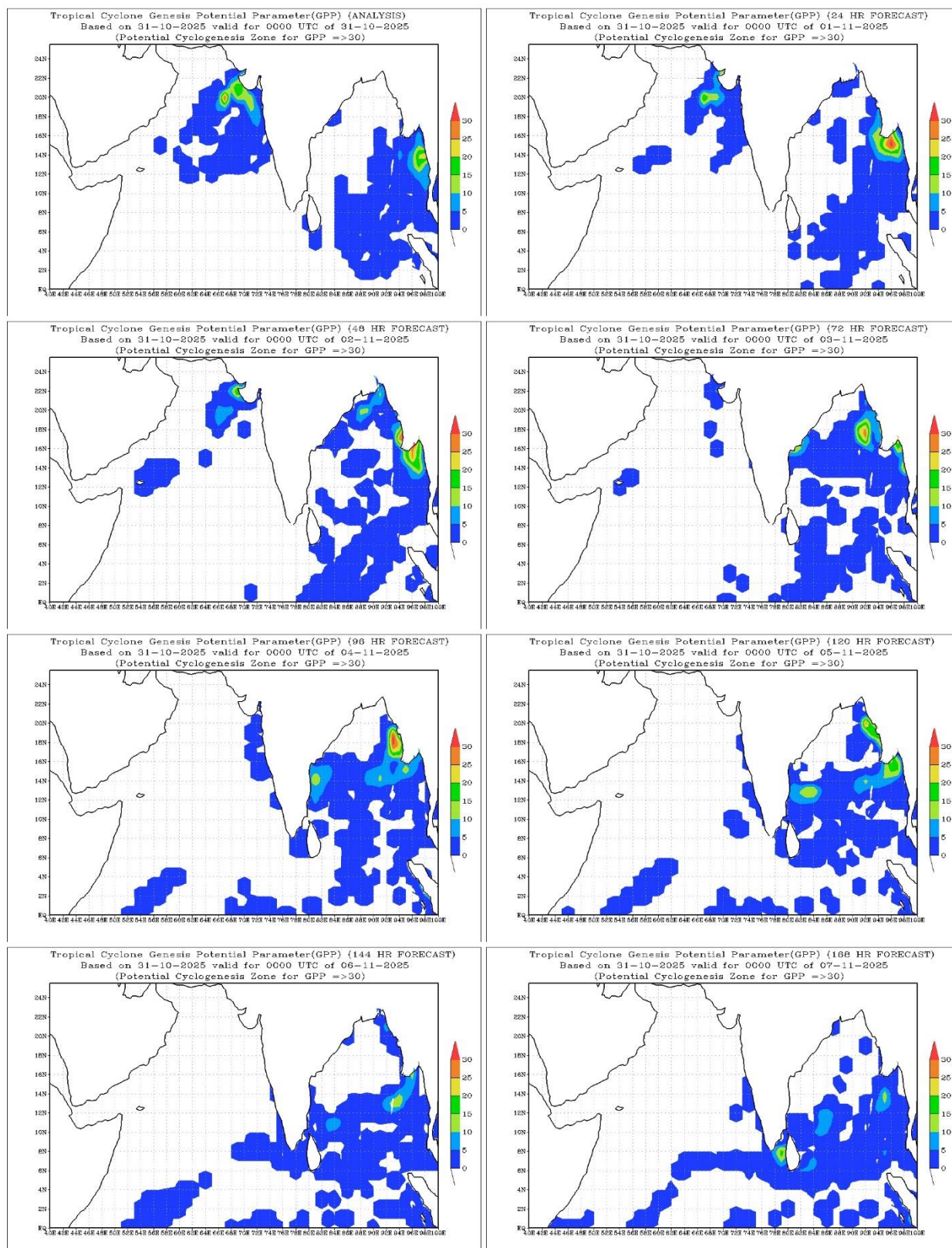
(iii) Impact Expected and Action Suggested due to heavy rain and strong winds (north Konkan and coastal districts of Gujarat state)

Impact expected:

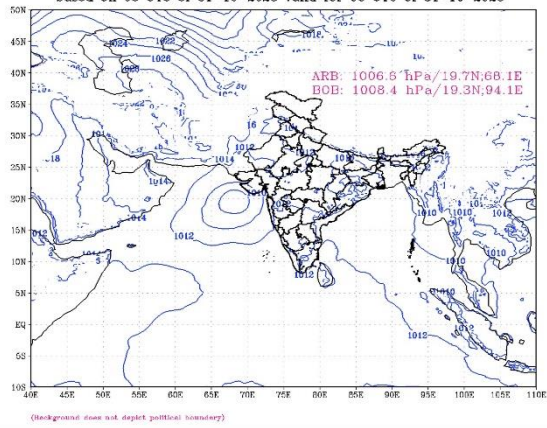
- Strong and Squally wind and heavy rain may damage plantation, horticulture and standing crops.
- Minor damage to kutcha houses/walls, huts and roads due to strong winds and heavy rain.
- Road and rail traffic may be affected due to heavy rain.
- There could be localised flash floods, landslides, mudslides, 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.



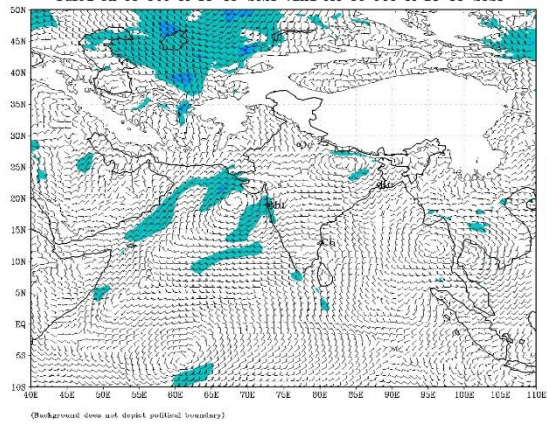
IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (00 HR)
based on 06 UTC of 31-10-2025 valid for 06 UTC of 31-10-2025



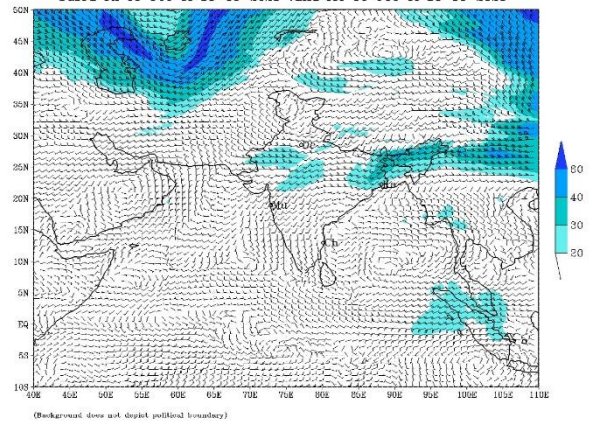
IMD GFS (T1534) 10m WIND (kt) AND 2m RH (%) FORECAST (00 HR)
based on 06 UTC of 31-10-2025 valid for 06 UTC of 31-10-2025

(Background does not depict political boundary)

IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (00 HR)
based on 06 UTC of 31-10-2025 valid for 06 UTC of 31-10-2025



IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (00 HR)
based on 06 UTC of 31-10-2025 valid for 06 UTC of 31-10-2025



IMD :GFS MODEL(12 Km) 200 hPa WIND (kt) FORECAST (00 HR)
based on 06 UTC of 31-10-2025 valid for 06 UTC of 31-10-2025

