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

Tropical Cyclone Forecast Programme
Report Dated 04th November 2025

Time of Issue: 1030 UTC

Synoptic features (based on 0300 UTC analysis):

- Yesterday's low pressure area over eastcentral Bay of Bengal & adjoining Myanmar coast became Well- Marked low pressure area over Northeast Bay of Bengal & adjoining eastcentral Bay of Bengal and Myanmar -Bangladesh coasts at 0300 UTC of today, the 04th November 2025. The associated upper air cyclonic circulation extended upto 5.8 km above mean sea level. It is likely to move north-northwestwards along & off Myanmar -Bangladesh coasts during next 24 hours.
- A fresh upper air cyclonic circulation lay over westcentral Bay of Bengal off Coastal Andhra Pradesh at 0.9 km above mean sea level at 0000 UTC and it persisted over the same region at 0300 UTC of today, the 04th November 2025.
- Yesterday's cyclonic circulation over South Vietnam lay over central Myanmar & neighbourhood at 0300 UTC of today, the 04th November 2025. It is likely to emerge into north Andaman Sea and adjoining eastcentral Bay of Bengal around 5th November. Thereafter, it is likely to move northwestwards without any further intensification.
- Yesterday's upper air cyclonic circulation over northeast Arabian Sea & adjoining Saurashtra became less marked.at 0000 UTC of today, the 04th November 2025.

Environmental Features based on 0300 UTC:

Parameter	Bay of Bengal (BoB)	Arabian Sea (AS)
Sea Surface Temperature (SST) ºC	➢ Around 29 - 30°C over the system area and along the predicted path.	➢ Around 28 - 30 oC 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 Bay of Bengal.	➢ 90-110 over southeast Arabian Sea, Lakshadweep Islands, Maldives islands and Comorin area. ➢ 50-60 over rest Arabian Sea.
Cyclonic Relative - vorticity ($X10^{-6}s^{-1}$)	➢ 60-80 over north Andaman Sea off Myanmar coast, extending upto 500 hPa and tilting southwestwards with height. ➢ 30-40 over north BoB, some part of north Tamil	➢ 30 - 40 over northeast AS off Gujarat coast,

	Nadu coast & Comorin area.	
Low-Level convergence (X10-6 s-1)	➢ 5-10 over Northeast BoB & adjoining eastcentral BoB and Myanmar & Bangladesh	➢ 5-10 over northeast AS.
Upper-Level divergence (X10-6 s-1)	➢ 5-10 over eastcentral BoB off Myanmar coast ➢ Another zone over southwest BoB	➢ 5 over eastcentral AS off Maharashtra coast
Vertical Wind Shear (VWS knots) **Low: 05-10 knots** **Moderate: 10-20 knots** **High: >20 knots**	➢ Moderate 10-15 over north & adjoining central BoB.	➢ Moderate 10-15 over eastcentral AS & along and off Maharashtra coast. ➢ Moderate 10-15 over northeast adjoining eastcentral AS
Wind Shear Tendency (knots)	➢ Increasing over Comorin area and southeast BoB	➢ Increasing over north, southwest Arabian Sea, Lakshadweep, Maldives area.
Upper tropospheric Ridge	➢ At 20^{o} N in association with anticyclonic circulation over northeast Bay of Bengal.	-

Over the BoB & Andaman Sea:

As per INSAT 3DS imagery at 0300 UTC of 04th November, a Low Level Circulation (LLC) lay over east-central adjoining northeast Bay of Bengal off Myanmar coast & neighbourhood. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over northeast & eastcentral Bay of Bengal, Arakan coast, Myanmar, Gulf of Martaban and north Andaman Sea (Minimum cloud top temperature is minus 70 to 90 Deg C).

Scattered to broken low and medium clouds with embedded intense to very intense convection lay over northeast & central Bay of Bengal, Arakan coast, north Andaman Sea, Gulf of Martaban & Tenasserim coast. Scattered low and medium clouds with embedded moderate to intense convection lay over the rest parts of Bay of Bengal and south Andaman Sea.

Over the Arabian Sea:

As per INSAT 3DS imagery at 0300 UTC of 04th November, scattered low and medium clouds with embedded isolated weak to moderate convection lay over southeast Arabian Sea, Lakshadweep Islands, Maldives and Comorin area.

Outside India:

Vortex (Kalmaegi) over Philippines adjoining South China Sea & neighbourhood centered near 10.6°N / 122.9°E (.) Intensity 4.5/5.0 with MSW 90-119 KT. Associated scattered to broken low and medium clouds with embedded intense to very intense convection lay over area between latitude 6.0°N to 18.0°N long 116.0°E to 128.0°E & Philippines.

Scattered low and medium clouds with embedded moderate to intense convection over North Sri Lanka, Palk Strait, Gulf of Mannar, Tibet, China, 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, north Madagascar and over Indian ocean between latitude 5.0°S to 15.0°S long 40.0°E to 120.0°E.

M.J.O. Index:

The guidance from ECMM model indicates that Madden Julian Oscillation (MJO) index is in phase 5 with amplitude greater than 1 during 1st to 7th.

Equatorial waves guidance:

Guidance from NCICS model indicates prevalence of strong westerly wind anomaly over entire North Indian Ocean and most parts of India during next 5-7 days. The model is indicating weak (1-3 mps) easterly wind anomaly over the eastcentral BoB and adjoining Myanmar during till 6th November. Thus, indicating weak northeast monsoon conditions. The model also indicates prevalence of MJO alongwith Equatorial Rossby Waves (ERW) over both the basins during next 7 days. Thus, the ERW would support the existing low pressure area over eastcentral BoB to maintain its intensity during next 24 hours.

NWP Guidance for FDP Cyclone:

MODEL GUIDANCE	Bay of Bengal (BoB)	Arabian Sea (AS)
IMD-GFS	An upper air cyclonic circulation over northeast BoB adjoining south Bangladesh coast on 04/00 UTC becoming less marked by 05/00 UTC. No significant system is seen thereafter.	No significant system is indicated during next 7 days.
IMD-GEFS	Not available	Not available
IMD-WRF	Not available	Not available
BFS	An upper air cyclonic circulation over northeast BoB and adjoining south Bangladesh coast on 04/00 UTC becoming less marked on 05/00 UTC. No significant system is seen thereafter.	No significant system is indicated during next 7 days.
NCMRWF-NCUM(G)	No significant system is indicated during next 7 days.	No significant system is indicated during next 7 days.
NCMRWF-NCUM(R)	No significant system is indicated during next 7 days.	No significant system is indicated during next 7 days.
NEPS	No significant system is indicated during next 7 days.	No significant system is indicated during next 7 days.
ECMWF	Model is indicating WML over northeast and adjoining eastcentral BoB and Myanmar – Bangladesh coast to move north-northwestwards along Myanmar–Bangladesh coast till 05/06 UTC and become less marked thereafter.	No significant system is indicated during next 7 days.
NCEP-GFS	No significant system is indicated during next 7 days.	No significant system is indicated during next 7 days.
EC-AIFS	Model is indicating a WML over northeast and adjoining eastcentral BoB and Myanmar - Bangladesh coast to move north-northwestwards along Myanmar - Bangladesh coast till 05/06 UTC and become less marked thereafter.	No significant system is indicated during next 7 days.

Summary:

(a) Bay of Bengal:

A few models (ECMWF group) are indicating well marked low pressure area over northeast and adjoining eastcentral Bay of Bengal and Bangladesh - Myanmar coasts to move north-northwestwards along and off Myanmar-Bangladesh coasts without further intensification during next 24 hours. Thereafter, no fresh cyclonic circulation/low pressure area is indicated over the region during subsequent 5-7 days.

(b) Arabian Sea

Most of the models are not indicating any significant system over the Arabian Sea during next 5-7 days.

Inference:

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

(a) The Well- Marked low pressure area over Northeast Bay of Bengal & adjoining eastcentral Bay of Bengal and Myanmar coasts is likely to move north-northwestwards along & off Myanmar -Bangladesh coasts during next 24 hours.
(b) There is likelihood of emergence of a fresh cyclonic circulation into north Andaman Sea and adjoining eastcentral Bay of Bengal around 5th November. It is likely to move northwestwards without any further intensification.
(c) No significant system over the Arabian Sea for the next seven days.

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

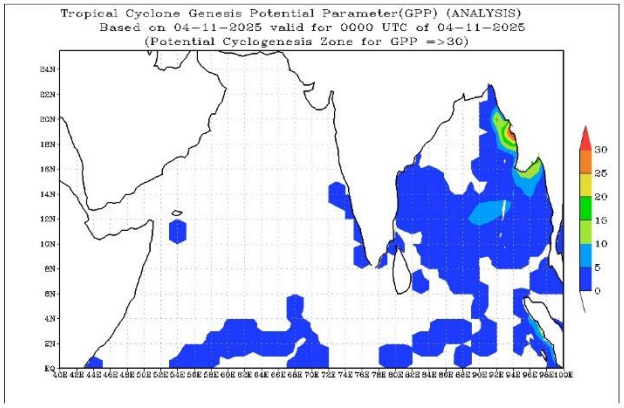
Probability of cyclogenesis (formation of depression and above intensity systems) over the Arabian Sea during next 168 hours:

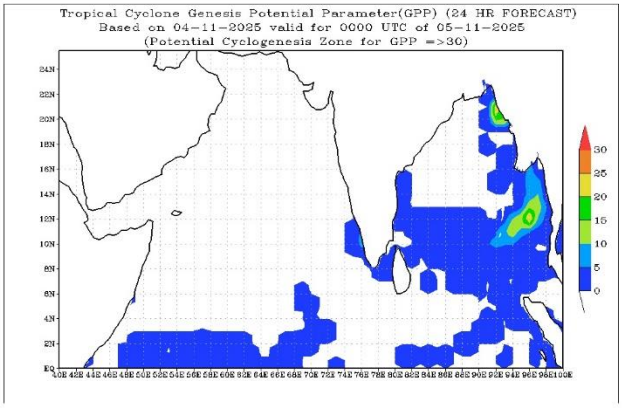
24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS	120-144 HOURS	144-168 HOURS
NIL	NIL	NIL	NIL	NIL	NIL	NIL

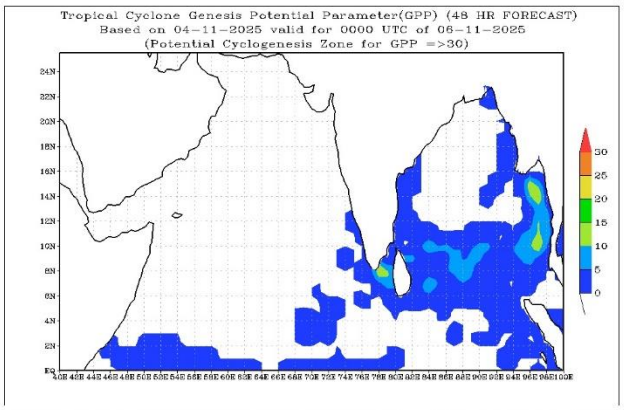
"- "indicates genesis has already occurred.
Probability is indicated as NIL for 0%, LOW for 1-33%, MOD for 34-67% and High for 68-100%.
Every 24 hrs forecast ends at the 0300 UTC of date.

Intense Observation Period (IOP): IOP for South Bangladesh and Central Myanmar coasts on 4th November.

Annexure


Tropical Cyclone Genesis Potential Parameter(GPP) (ANALYSIS)
Based on 04-11-2025 valid for 0000 UTC of 04-11-2025
(Potential Cyclogenesis Zone for GPP =>30)


Tropical Cyclone Genesis Potential Parameter(GPP) (24 HR FORECAST)
Based on 04-11-2025 valid for 0000 UTC of 05-11-2025
(Potential Cyclogenesis Zone for GPP =>30)


Tropical Cyclone Genesis Potential Parameter(GPP) (48 HR FORECAST)
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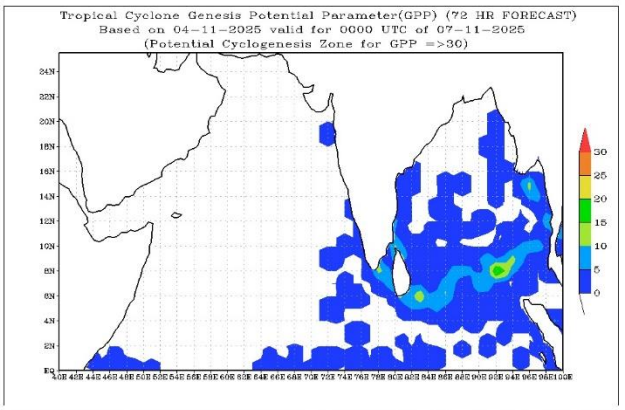
Tropical Cyclone Genesis Potential Parameter(GPP) (72 HR FORECAST)
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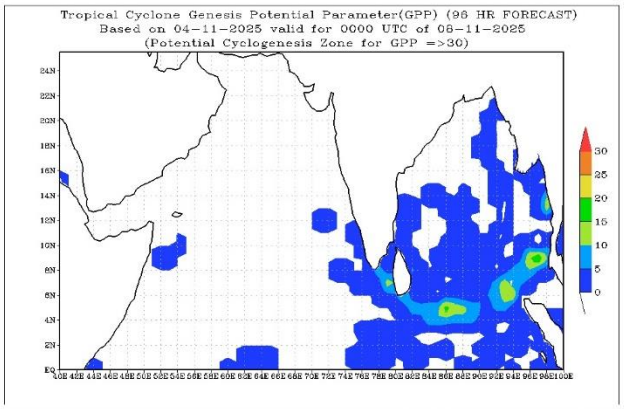
(Potential Cyclogenesis Zone for GPP =>30)


Tropical Cyclone Genesis Potential Parameter(GPP) (96 HR FORECAST)
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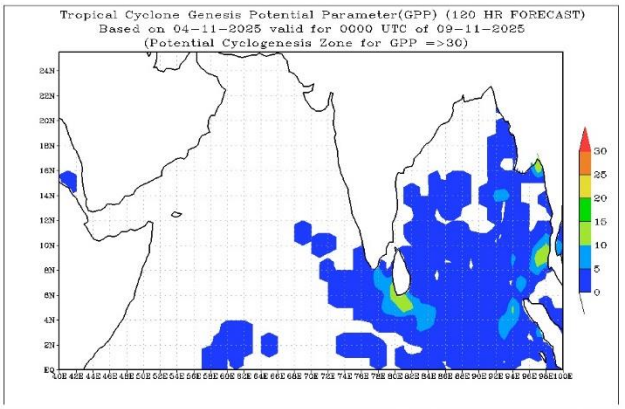
Tropical Cyclone Genesis Potential Parameter(GPP) (120 HR FORECAST)
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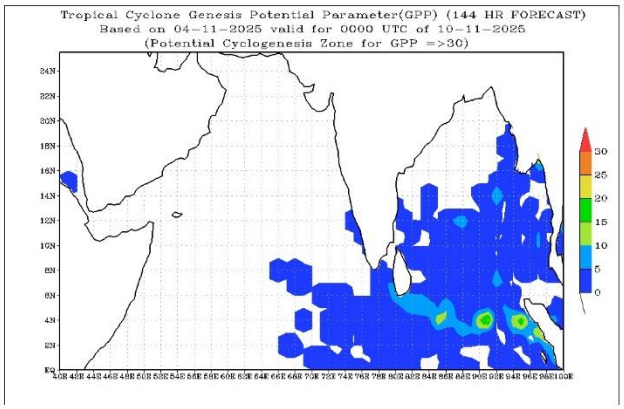
Tropical Cyclone Genesis Potential Parameter(GPP) (144 HR FORECAST)
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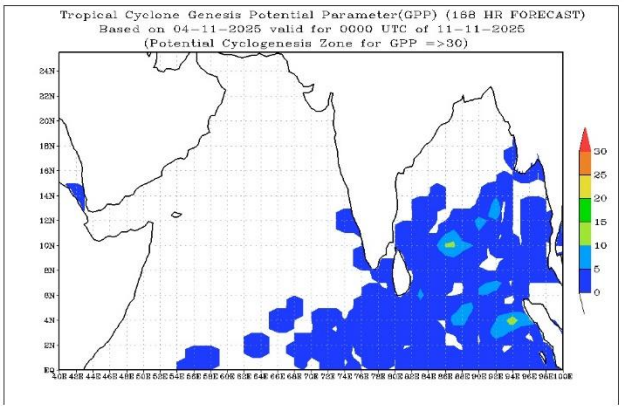
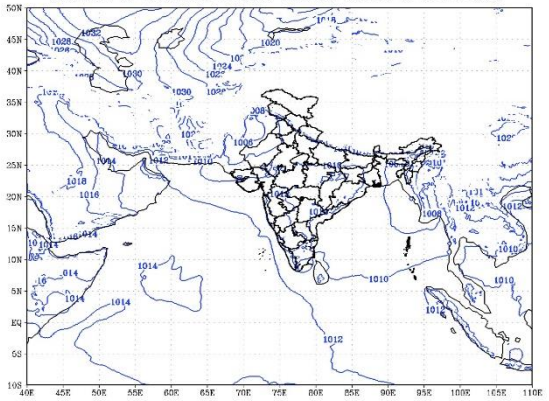
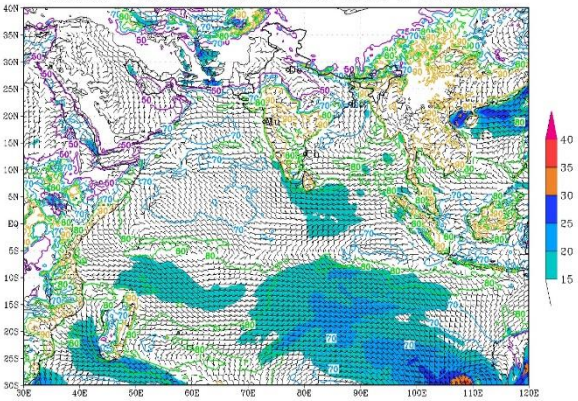

Tropical Cyclone Genesis Potential Parameter(GPP) (168 HR FORECAST)
Based on 04-11-2025 valid for 0000 UTC of 11-11-2025
(Potential Cyclogenesis Zone for GPP =>30)

IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (00 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 04-11-2025



(Background does not depict political boundary)

IMD GFS (T1534) 10m WIND (kt) AND 2m RH (%) FORECAST (00 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 04-11-2025



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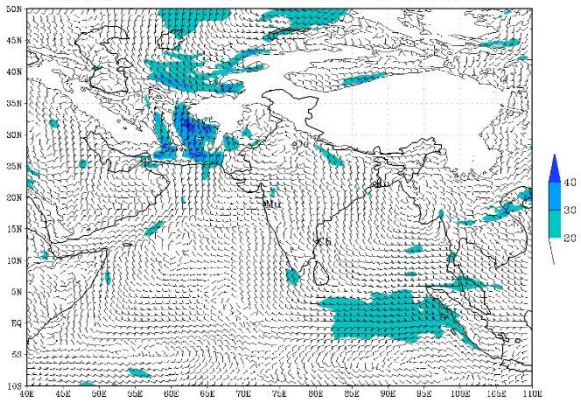

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IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (00 HR)
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IMD :GFS MODEL(12 Km) 200 hPa WIND (kt) FORECAST (00 HR)
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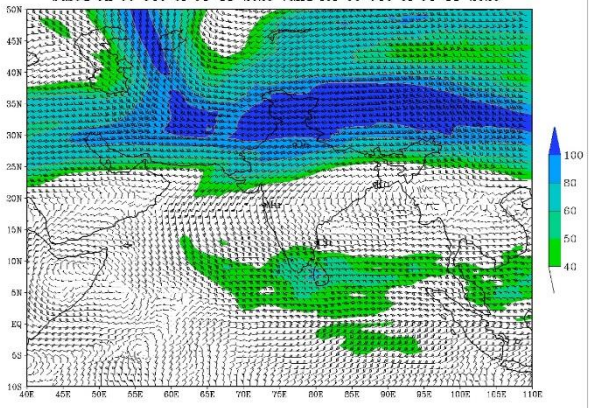

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IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (24 HR)
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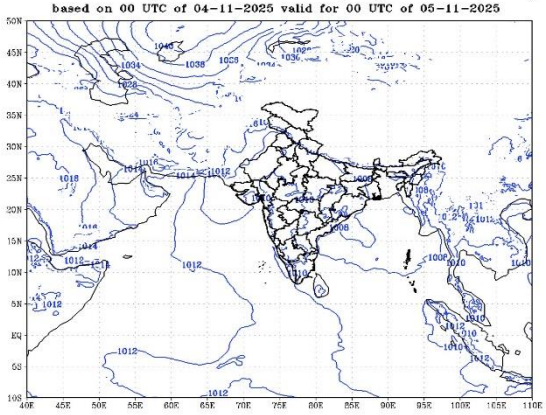

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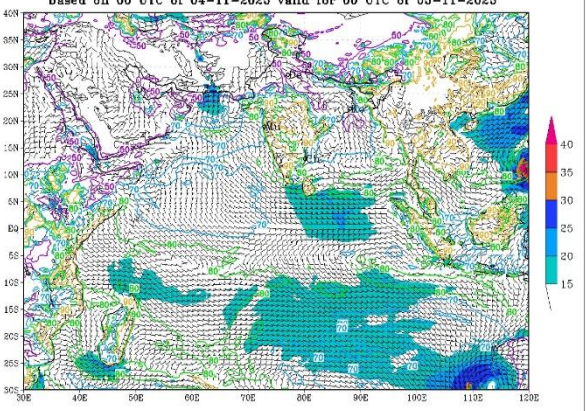

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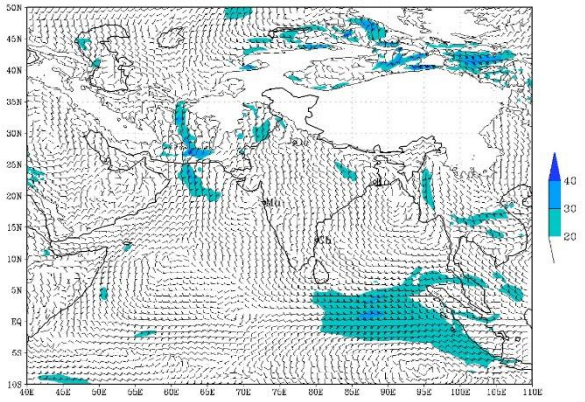

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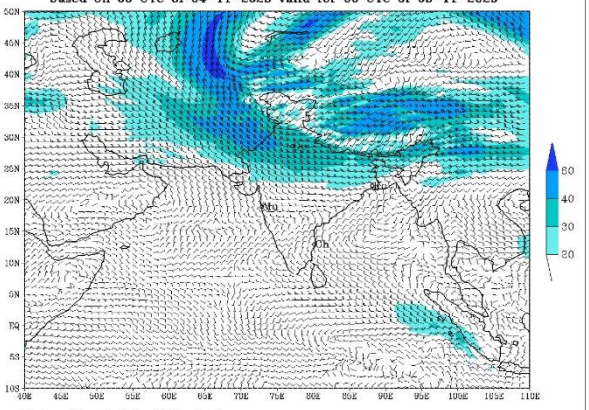

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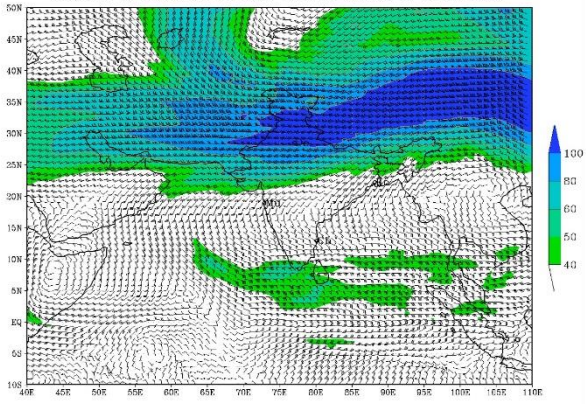

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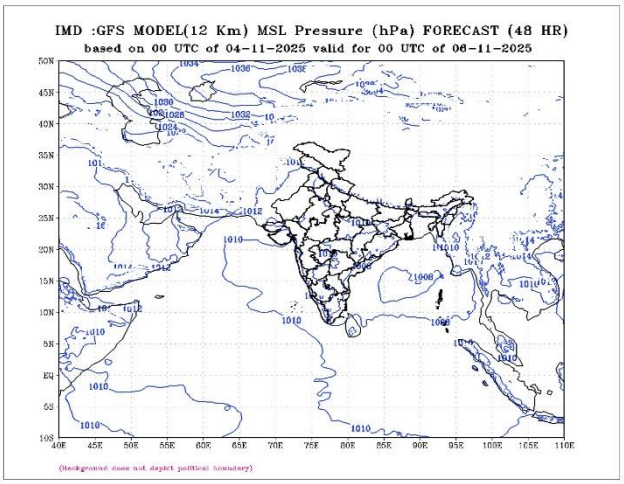
IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (48 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 06-11-2025
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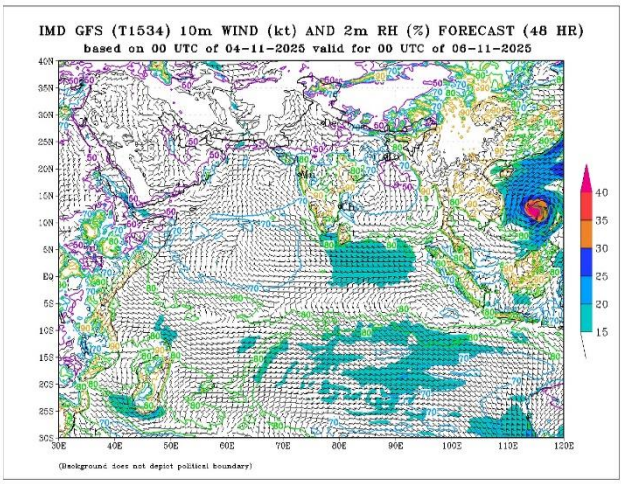
IMD GFS (T1534) 10m WIND (kt) AND 2m RH (%) FORECAST (48 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 06-11-2025
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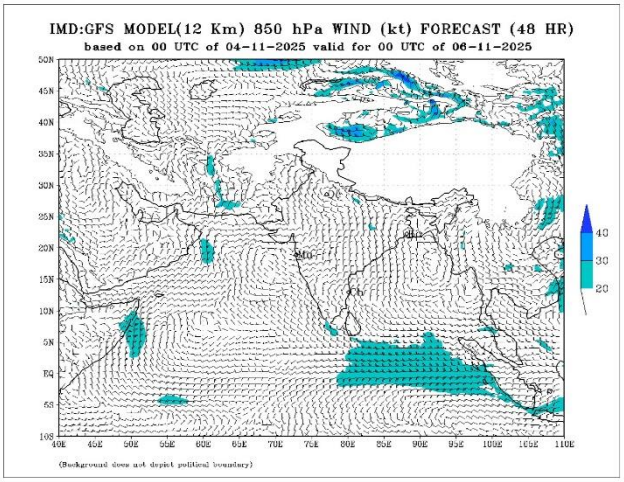
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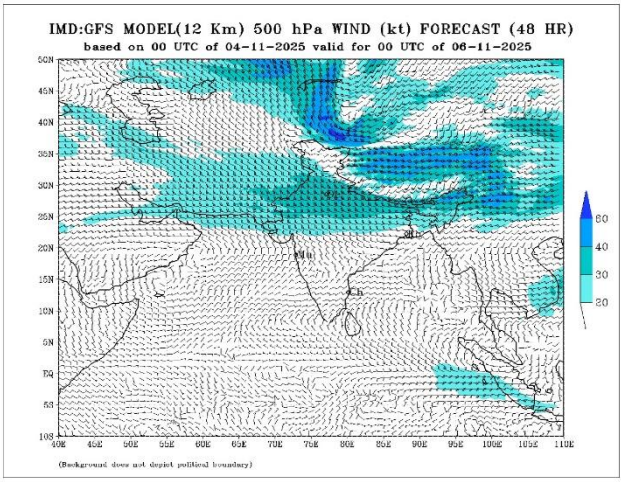
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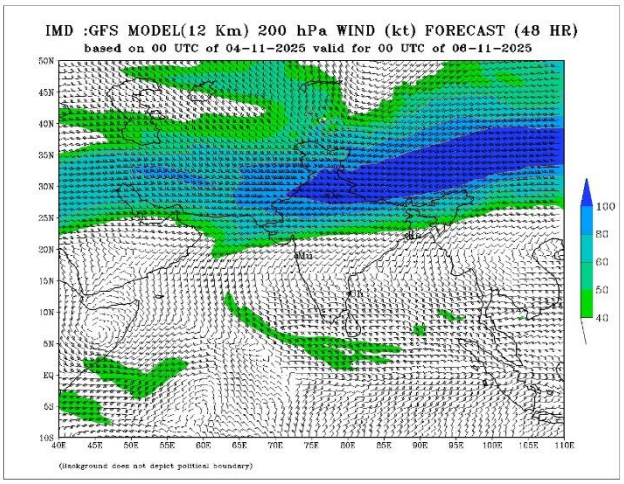
IMD :GFS MODEL(12 Km) 200 hPa WIND (kt) FORECAST (48 HR)
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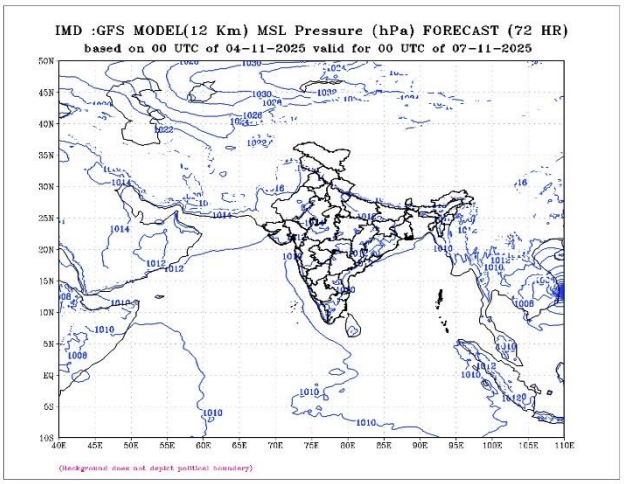
IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (72 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 07-11-2025
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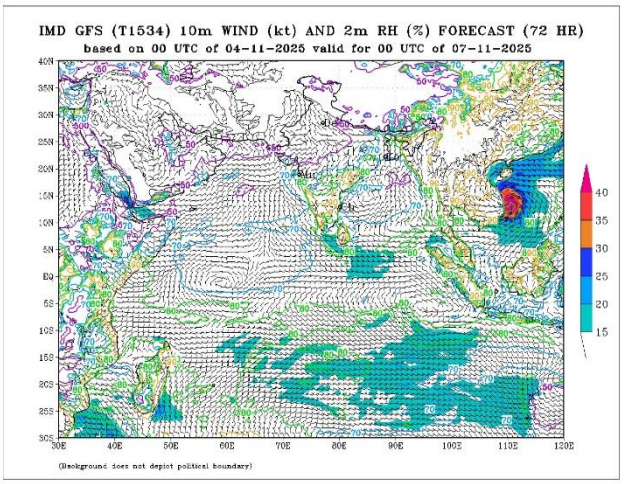
IMD GFS (T1534) 10m WIND (kt) AND 2m RH (%) FORECAST (72 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 07-11-2025
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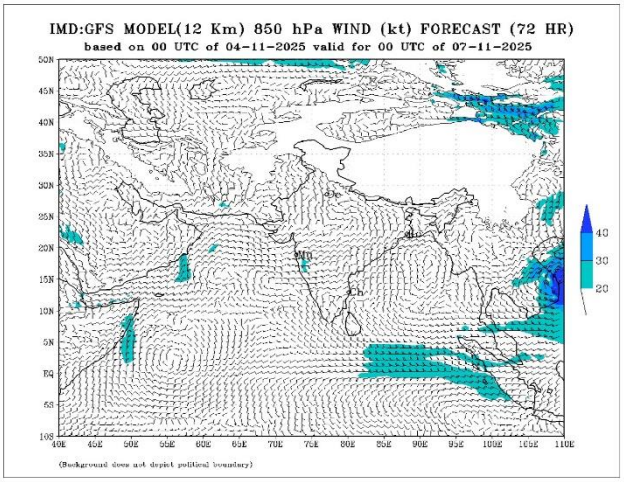
IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (72 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 07-11-2025
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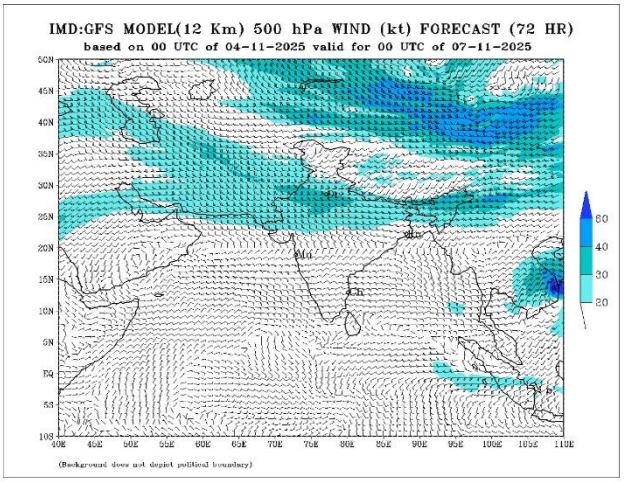
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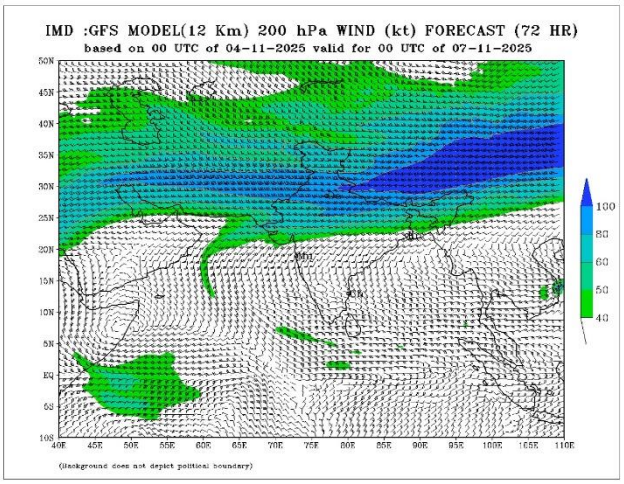
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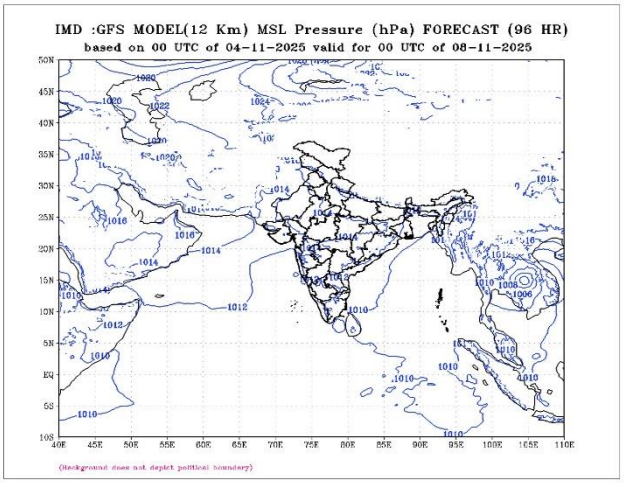
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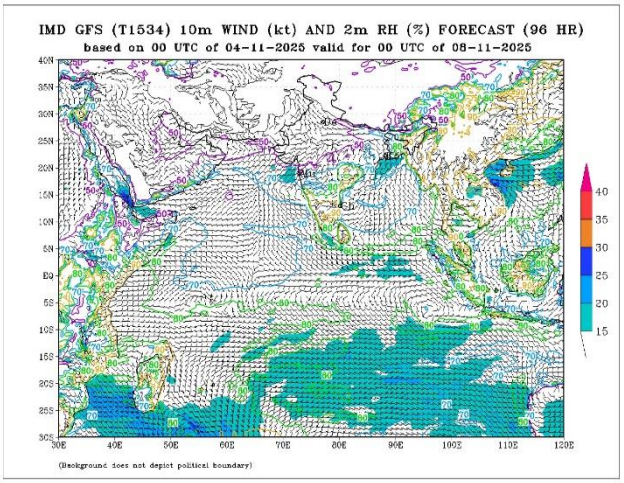
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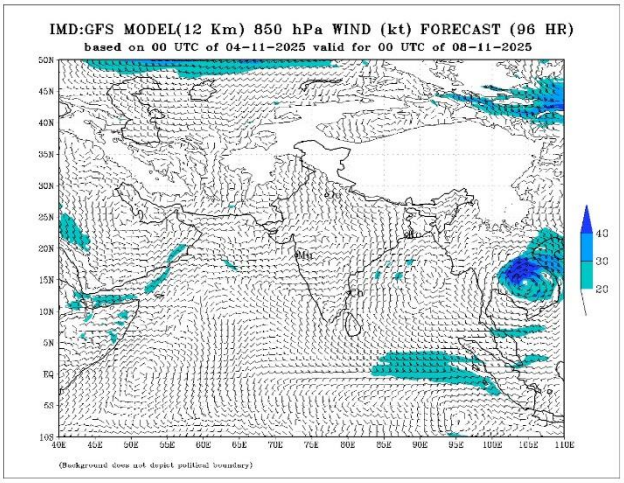
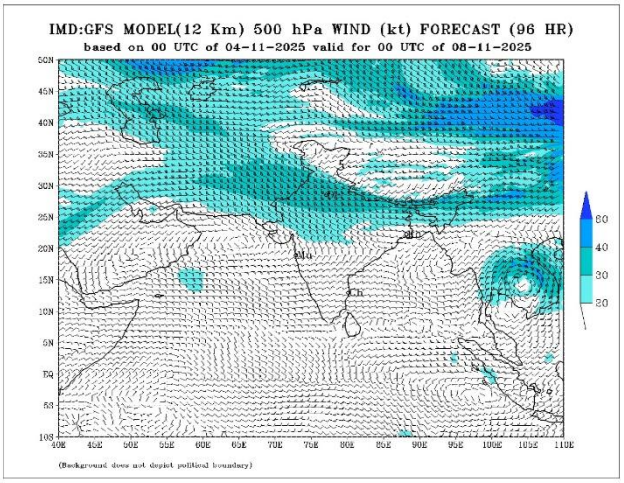
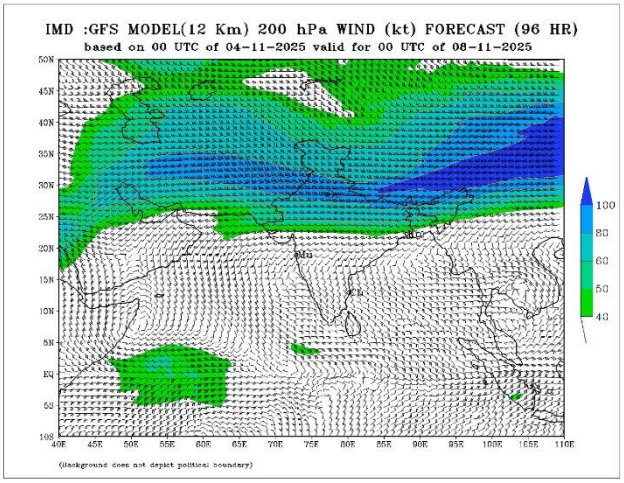
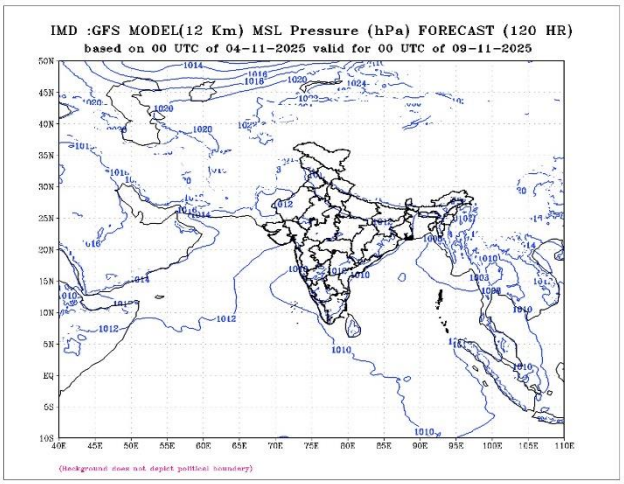
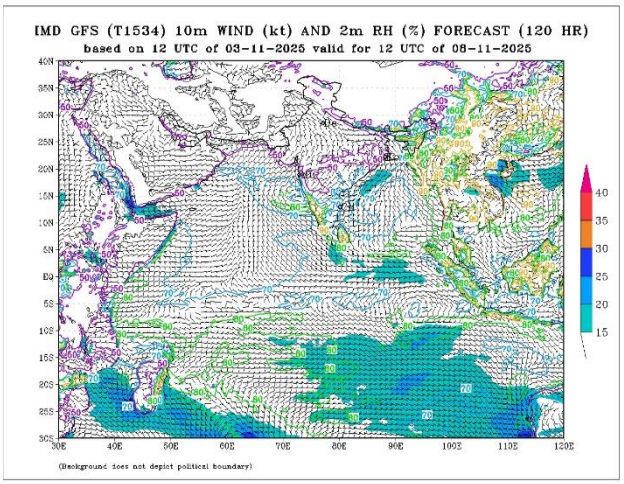
based on 00 UTC of 04-11-2025 valid for 00 UTC of 08-11-2025
(Background does not depict political boundary)

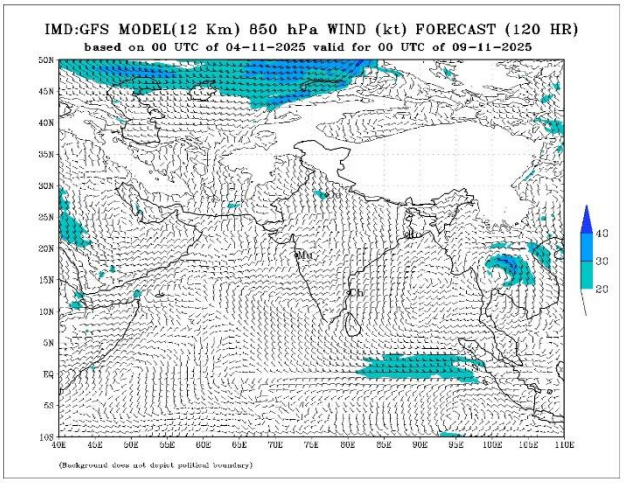

IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (96 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 08-11-2025
(Background does not depict political boundary)

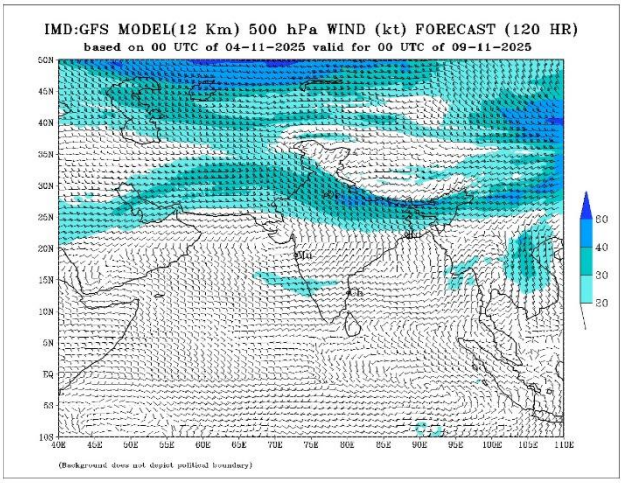

IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (96 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 08-11-2025
(Background does not depict political boundary)

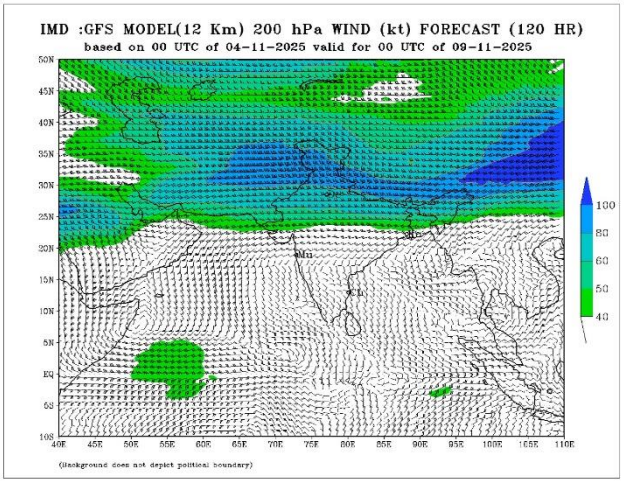

IMD :GFS MODEL(12 Km) 200 hPa WIND (kt) FORECAST (96 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 08-11-2025
(Background does not depict political boundary)

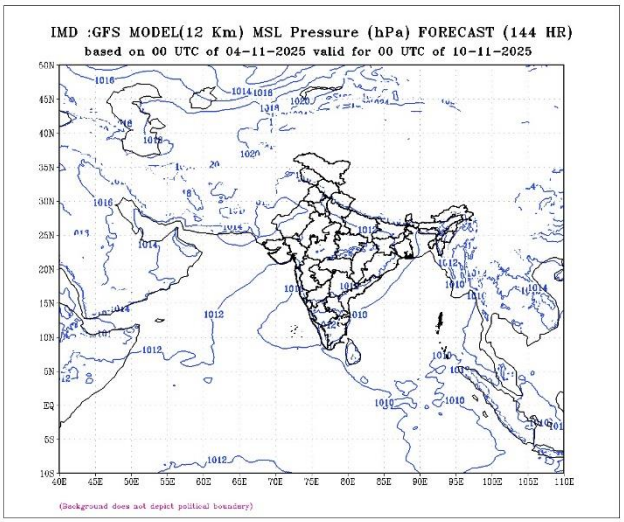

IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (120 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 09-11-2025
(Background does not depict political boundary)

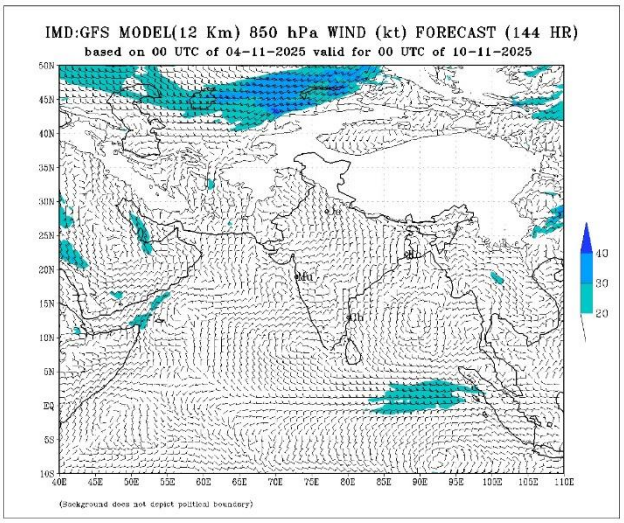

IMD GFS (T1534) 10m WIND (kt) AND 2m RH (%) FORECAST (120 HR)
based on 12 UTC of 03-11-2025 valid for 12 UTC of 08-11-2025
(Background does not depict political boundary)


IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (120 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 09-11-2025
(Background does not depict political boundary)


IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (120 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 09-11-2025
(Background does not depict political boundary)


IMD :GFS MODEL(12 Km) 200 hPa WIND (kt) FORECAST (120 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 09-11-2025
(Background does not depict political boundary)


IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (144 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 10-11-2025
(Background does not depict political boundary)


IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (144 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 10-11-2025
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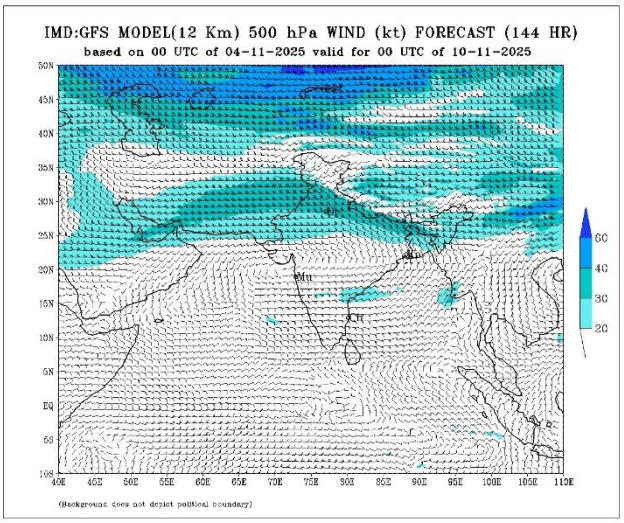
(Background does not depict political boundary)


IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (144 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 10-11-2025
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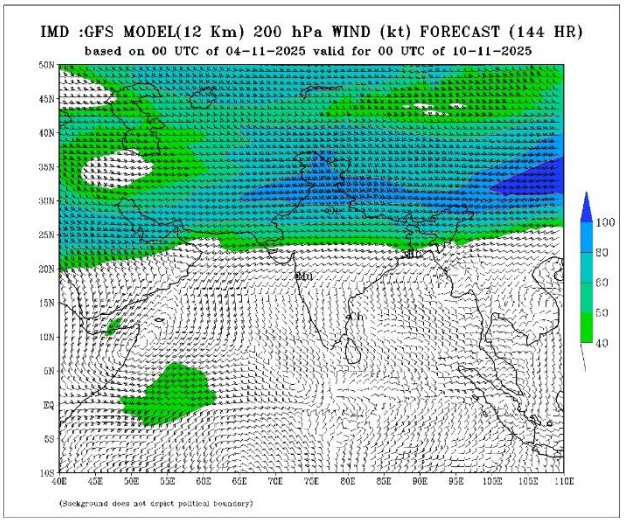
(Background does not depict political boundary)


IMD :GFS MODEL(12 Km) 200 hPa WIND (kt) FORECAST (144 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 10-11-2025
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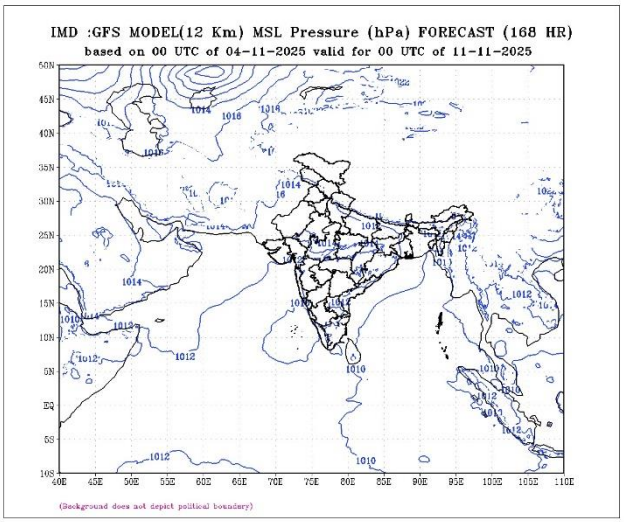
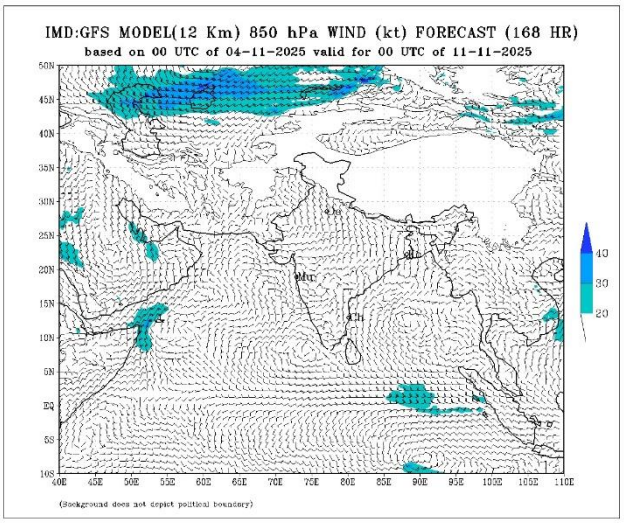
(Background does not depict political boundary)


IMD :GFS MODEL(12 Km) MSL Pressure (hPa) FORECAST (168 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 11-11-2025
(Background does not depict political boundary)


IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (168 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 11-11-2025
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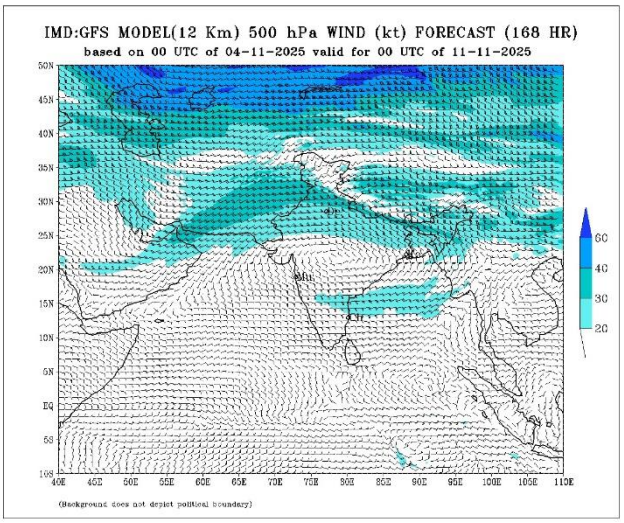
(Background does not depict political boundary)


IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (168 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 11-11-2025
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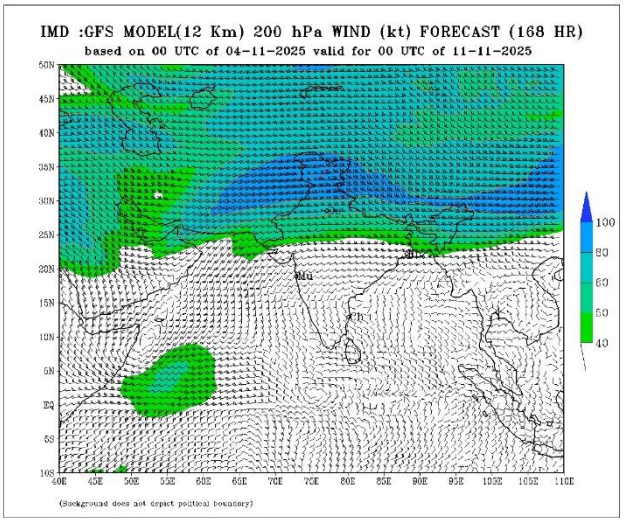
(Background does not depict political boundary)


IMD :GFS MODEL(12 Km) 200 hPa WIND (kt) FORECAST (168 HR)
based on 00 UTC of 04-11-2025 valid for 00 UTC of 11-11-2025
100
80
60
50
40
(Background does not depict political boundary)