



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



Tropical Cyclone Forecast Programme
Report Dated 21th October 2026

Time of Issue: 1400 UTC

Synoptic features (based on 1200 UTC analysis):

(A) Likely formation of Low-pressure area over southeast and adjoining eastcentral Bay of Bengal around 23rd October:

Yesterday's upper air cyclonic circulation over Gulf of Thailand and adjoining Thailand & Myanmar emerged and lay over North Andaman Sea at 1730 hours IST of today, the 21st October, 2026. Thereafter, it is likely to move west-northwestwards and under its influence a low-pressure area is likely to form over Southeast and adjoining Eastcentral Bay of Bengal around 23rd October, 2026. Then it is likely to move north-westwards and intensify further during subsequent 3 days.

(B) Low pressure area over southwest Bay of Bengal and adjoining Tamil Nadu coast:

Under the influence of yesterday's upper air cyclonic circulation over southwest Bay of Bengal and adjoining Tamil Nadu coast, a Low-Pressure area formed over the same region at 0000 UTC and lay over the same region at 1200 UTC of today the 21st October, 2026. The associated cyclonic circulation extended upto 5.8 km above mean sea level.

(C) Low pressure area over southwest Arabian Sea: Yesterdays well marked low pressure area over southwest Arabian Sea weakened into a Low-Pressure area at 0000 UTC over the same region. It persisted over the same region at 1200 UTC of today the 21st October, 2026. The associated cyclonic circulation extended upto 5.8 km above mean sea level. It is very likely to move west-northwestwards as a low-pressure area on 21st and then westsouthwestwards towards Somalia coast on 22nd October.

Environmental Features based on 0300 UTC:

Parameter	Bay of Bengal (BoB)	Arabian Sea (AS)
Sea Surface Temperature (SST) °C	Around 29 - 31°C over entire BoB.	Around 29 - 31°C over entire AS.
Tropical Cyclone Heat Potential (TCHP) kJ/cm²	90-110 over most parts of BoB with 120-130 over southwest & adjoining westcentral BoB, North Andaman Sea, parts of southwest BoB and westcentral BoB. 60-70 over northwest BoB.	80-100 over most parts of southeast, eastcentral and adjoining northeast AS with 110-120 over some pockets of southeast & eastcentral AS and Comorin area. 60-70 over western parts of AS.
Cyclonic Relative vorticity ($\times 10^{-6} \text{s}^{-1}$) at 850 hPa	40-50 over southwest BoB along & off north Andhra Pradesh-Tamil Nadu coasts & over north Sri Lanka. 40-50 over Southeast BoB and adjoining East EIO & south Andaman Sea.	40-50 over southwest AS near system area 25 over southwest AS off Somalia coast

Cyclonic Relative - vorticity ($\times 10^{-6} \text{s}^{-1}$) at 500 hPa	Southwest-northeast oriented zone of (40-50) from East EIO to south Andaman Sea.	20-30 over north AS 10-20 over southeast AS near Comorin area.
Low-Level convergence ($\times 10^{-6} \text{s}^{-1}$)	5 over Andaman Sea & adjoining southeast & eastcentral BoB 5-10 over westcentral BoB off North Andhra Pradesh-Tamil Nadu coast 5-10 over southwest BoB	10 over southwest AS near system centre
Upper-Level divergence ($\times 10^{-6} \text{s}^{-1}$)	Southwest-Northeast oriented positive Divergence (10-20) from EEIO to Gulf of Thailand across Indonesia, South Andaman Sea & adjoining Thailand.	10 over system area 5 over the northeast AS near Gujarat coast.
Vertical Wind Shear (VWS) Low: 05-10 knots Moderate: 10-20 knots High: >20 knots	Low over Gulf of Thailand, south Myanmar, Andaman Sea, south and adjoining central BoB	Moderate over system area and towards Somalia coast. Low to moderate over south AS
Wind Shear Tendency (knots)	Decreasing (-5) over Andaman Sea. (-5 to -10) over the Tamil Nadu coast & Sri Lanka.	Decreasing (-10) over system area -10 over southeast adjoining southwest AS. -5 over northeast adjoining eastcentral AS
Upper Tropospheric Ridge	Ridge is running along 12°N.	Ridge is running along 15°N
GPP	NA	NA

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 (2-3 mps) alongwith Equatorial Rossby Wave (ERW) over East Equatorial Indian Ocean (EEIO) and adjoining south BoB & easterly wind anomaly (5-7mps) alongwith Kelvin Wave (KW) over north BoB during next 2 days. Thereafter during 22nd – 27thOct., the model is indicating westerly wind anomaly (7-9mps) along with occurrence of ERW, & MJO wave over south BoB and easterly wind anomaly (5-7 mps) over north BoB. These features indicate a favorable environment for cyclogenesis over the south BoB during 22nd-27thOct.

Westerly wind anomaly (3-5 mps) alongwith MJO and over southwest AS & adjoining EIO and easterly wind anomaly to its north till 23rd Oct are supporting maintenance of intensity of well-marked low pressure area/ associated cyclonic circulation over southwest AS.

However, over the southeast AS, during 22nd to 27th, the model is indicating only westerly wind anomaly (3-5 mps) alongwith MJO & ERW. Thus, over the southeast AS, equatorial waves may not support further cyclogenesis during 22nd – 27th Oct.

Satellite features:

Over the Bay of Bengal & Andaman Sea:

LLC lay over the south-west Bay of Bengal off the north Tamil Nadu coast and neighbourhood. Associated scattered to broken, low and medium clouds with embedded intense to very intense convection lay over the south-west and adjoining west-central Bay of Bengal, south coastal Andhra Pradesh, Tamil Nadu and northern Sri Lanka, with minimum cloud top temperatures of minus 70 to minus 90°C. Scattered to broken, low and medium clouds with embedded intense to very intense convection lay over the Bay of Bengal and Andaman Sea.

Over the Arabian Sea:

LLC lay over the south-west Arabian Sea and neighbourhood. Associated scattered to broken, low and medium clouds with embedded intense to very intense convection lay over the south-west and west-central Arabian Sea, with minimum cloud top temperatures of minus 70 to minus 90°C. Scattered to broken, low and medium clouds with embedded intense to very intense convection lay over the west-central and southern Arabian Sea. Scattered low and medium clouds with embedded moderate to intense convection lay over the east-central Arabian Sea, Lakshadweep and adjoining areas, Maldives and Comorin area.

Outside India:

As per INSAT 3DS at 0300 UTC, Scattered low and medium clouds with embedded moderate to intense convection lay over Sri Lanka, Palk Strait, Gulf of Mannar, the Maldives area, northern Pakistan, Tibet, China, the Yellow Sea, Myanmar, Thailand, Gulf of Thailand, Cambodia, Laos, Vietnam, Gulf of Tonkin, Hainan, Sumatra, Strait of Malacca, Malaysia, Borneo, South China Sea, Java, the Indonesian islands, the Philippines and Sulu Sea, as well as over the Indian Ocean between 5.0°N and 20.0°S and between 45.0°E and 100.0°E.

NWP Guidance for FDP Cyclone:

MODEL GUIDANCE	Bay of Bengal (BoB)	Arabian Sea (AS)
IMD-GFS	An upper-air cyclonic circulation over the southeast Bay of Bengal (BoB) on 25/00 UTC. To move westwards, intensify into a Low-Pressure Area (LPA) over the southeast BoB and persist from 25/00 to 26/00 UTC. To intensify into a Depression (DD) over the same region on 27/00 UTC. Subsequently, to intensify into a Cyclonic Storm (CS) over the westcentral BoB on 29/00 UTC and move towards the north Andhra Pradesh (AP)–south Odisha coasts, maintaining cyclonic storm intensity on 30/00 UTC. To move along the Odisha coast and lay centred over West Bengal as a Cyclonic Storm on 31/00 UTC.	Upper air cyclonic circulation (cycir) over southwest AS & adjoining NW East Equatorial Indian Ocean (EIO) on 21/00. To move south-southwestwards till 23/00 towards Somalia coasts. Model is also indicating another LPA over southeast AS & adjoining Lakshadweep area during 21/00 to 23/00. To move slowly northwards and gradually weaken.

IMD-GEFS	Model is indicating cycir over southeast BoB adjoining Andaman Sea to southwest Bay of Bengal during 25/12. It is indicated to move west-northwestwards and intensify into an LPA over eastcentral & adjoining north Andaman Sea on 26/12. To move towards north AP and Odisha coasts on 29/12.	No significant system is indicated over AS during next 7 days.
BFS	Similar to IMD GFS	Similar to IMD GFS
MITHUNA	Cycir over southeast BoB and adjoining Andaman Sea on 21/00. To merge with an east-west trough extending from eastcentral BoB to Lakshadweep area during 21/00 to 23/00. LPA to form near the eastern end of the trough over westcentral BoB on 23/00. To move west-northwestwards till 25/00 and intensify into D over eastcentral BoB on 26/00. To intensify further into DD over westcentral BoB on 27/00 and move towards North AP coast.	Cycir over southwest AS on 21/00, to persist over same region till 22/00 and move westwards towards Somalia coasts.
NEPS	Cycir to emerge over central BoB on 24/00 and under its influence an LPA to form over central BoB on 25/00. To move west-northwestwards and intensify into D over westcentral BoB on 27/00. To intensify into DD over the same region on 28/00. To move west-northwestwards towards north AP & Odisha coasts.	LPA over southwest AS on 21/00. To move nearly westwards and weaken gradually. The associated cycir to move westwards towards Somalia coast till 22/12. Cycir to emerge into Lakshadweep Area around 23/00 with marginal intensification into LPA over Lakshadweep Area & adjoining eastcentral AS on 24/00 and weaken gradually.
ECMWF	Cycir over eastcentral BoB & adjoining Andaman Sea on 22/00, LPA on 24/15, WML on 25/00, D on 25/12, DD over eastcentral BoB on 25/21 and intensify to CS on 26/06 over the same region. To move west-northwestwards with further intensification towards Andhra Pradesh coasts. To cross the AP coasts (16.8/82) as a VSCS.	LPA over southwest AS during 21/00 to 22/00, to persist over same region. It moves westwards towards Somalia coast. Associated cycir over southeast AS to persist till 22/12. Another upper air cyclonic circulation over Lakshadweep Area on 23/00 to persist over the same region. Marginally intensify over the same region adjoining Kerala coasts as LPA on 23/00. It reappears during 24/06 to 26/00 and weaken gradually thereafter.
NCEP-GFS	Cycir over eastcentral BoB & adjoining Andaman Sea on 22/00, to intensify into an LPA on 22/06, WML on 24/00, D on	LPA over southwest AS during 21/00 to 22/00, to persist over same region. To move westwards towards Somalia

	24/06, DD on 24/12 and CS on 25/00 over the same region. Continuing to move west-northwestwards it intensify further into an ESCS and cross north AP coast near (18.8/84.3) on 27/18 as an ESCS.	coast. Associated cycir over southwest AS to persist till 22/12.
EC-AIFS	Cycir over eastcentral BoB on 22/00. To intensify into an LPA over same region on 22/06, WML on 24/00, D on 24/12. DD on 25/00. To move slowly west-northwestwards and intensify into CS on 26/06 over westcentral BoB. It moves towards north AP & south Odisha coasts with further intensification. To cross AP coast near 17.6/83.5 on 27/12 as a VSCS.	LPA over southwest Arabian Sea on 21/00 and weaken gradually. The upper air associated cycir to move westwards towards Somalia coasts on 22/12.
IMD AURORA	WML over eastcentral BoB on 23/00. To move east-northeastwards, intensify into D over the same region on 24/00. Continuing to move east-northeastwards, to further intensify into DD over eastcentral BoB on 25/00 and into CS on 26/00 over central BoB. To move west-northwestwards and cross north Odisha & West Bengal-Bangladesh coast on 27/00 as a CS.	LPA over Lakshadweep Area on 23/00 then it became less marked thereafter.
IMD FGN	LPA over central BoB on 24/00. To move west-northwestwards and intensify into D over northwest BoB on 26/00. To move southwestwards and cross north AP coasts on 28/00 as DD and become less marked thereafter.	No significant system is indicated over AS during next 7 days.
IMD FCN	LPA over westcentral BoB on 23/00. To move west-northwestwards, intensify into DD over westcentral BoB & adjoining Odisha coasts on 24/00. Thereafter, to intensify into a CS and move towards West Bengal & Bangladesh coasts on 25/00 as a CS.	No significant system is indicated over AS during next 7 days.
NCMRWF FOURCAST NET	No significant system is indicated over BoB during next 7 days.	No significant system is indicated over AS during next 7 days.
NCMRWF GRAPHCAST	WML over westcentral BoB on 24/00. It intensified to D on 25/00 and DD on 26/00 over the same region. It is indicated to move north-northwestwards towards Odisha coasts.	No significant system is indicated over AS during next 7 days.
NCMRWF PANGU	LPA over eastcentral BoB on 23/00, WML on 24/00. To move north-northwestwards intensify into DD on 25/00 over westcentral BoB and move towards Odisha coasts. To cross Odisha coast on 26/00 as DD and become less marked thereafter.	No significant system is indicated over AS during next 7 days.

Legends:

IMD GFS: India Meteorological Department Global Forecast System, IMD GEFS: India Meteorological Department - Global Ensemble Forecast System, BFS: Bharat Forecast System, Mithuna: National Centre for Medium-Range Weather Forecasting Centre (NCMRWF), NEPS: NCUM ensemble prediction system, ECMWF: European Centre for Medium-Range Weather Forecasting, NCEP GFS/GEFS/CFS: National Centre for Environment Prediction GFS/GEFSv12/CFSv2, EC-AIFS: ECMWF Artificial Intelligence Forecasting System, IMD AURORA: Artificial Intelligence Unified Regional Operational Rainfall Assessment, IMD FGN : India Meteorological Department - Forecast Guidance Network, IMD FCN : India Meteorological Department - Forecast Consensus Network

Summary:**(a) Bay of Bengal (BoB):**

Various models indicate the development of a cycir over the eastcentral BoB and adjoining Andaman Sea during 21st–24th October, followed by the formation of an LPA over the central/eastcentral BoB during 22nd–25th October. NCEP-GFS indicates rapid intensification into a CS on 25th October, while ECMWF, EC-AIFS, IMD-AURORA and IMD-FCN indicate intensification into a CS during 25th–26th October. IMD-GFS indicates intensification into a CS over the westcentral BoB on 29th October, whereas MITHUNA and NEPS indicate intensification into a DD on 27th and 28th October, respectively. Other models, including IMD-FGN, NCMRWF GraphCast and NCMRWF PANGU, also indicate intensification into a DD, with varying timelines. IMD-GEFS indicates the formation of an LPA on 26th October and its subsequent movement towards the north Andhra Pradesh–Odisha coasts. Most models indicate west-northwestward movement towards the north Andhra Pradesh–south Odisha or Odisha coasts, with landfall predictions varying from 26th to 30th October. However, IMD-AURORA and IMD-FCN indicate a northward track towards the north Odisha–West Bengal and Bangladesh coasts. NCMRWF GraphCast indicates north-northeastward movement towards the Odisha coast, while NCMRWF PANGU indicates north-northwestward movement towards the same coast. In contrast, NCMRWF FourCastNet indicates no significant system over the BoB during the next seven days. Considerable differences exist among the models regarding the timing of formation, intensification, movement and landfall location. However, a broad consensus exists on the development and intensification of a low-pressure system over the central/eastcentral BoB during 22nd–26th October, with most models indicating subsequent movement towards the north Andhra Pradesh–Odisha coast. There is very good consensus among various models wrt intensification into a depression during 23/12 to 24/12 UTC. There is also consensus among various models wrt further intensification of this sytem and movement towards Andhra Pradesh.

(b) Arabian Sea (AS):

Most models, including IMD-GFS, BFS, MITHUNA, NEPS, ECMWF, NCEP-GFS and EC-AIFS, indicate an LPA or associated cycir over the southwest AS during 21st–22nd October, followed by westward or southwestward movement towards the Somalia coast and gradual weakening during 22nd–23rd October. IMD-GFS also indicates another LPA over the southeast AS and adjoining Lakshadweep area during 21st–23rd October, moving slowly northwards and gradually weakening. ECMWF and NEPS indicate the development of another cycir over the Lakshadweep area around 23rd October, with marginal intensification into an LPA over the Lakshadweep area and adjoining eastcentral AS during 23rd–24th October. ECMWF indicates that the system may persist or reappear during 24th–26th October before gradually weakening, while NEPS indicates gradual weakening of the system. IMD-AURORA also indicates a short-lived LPA over the Lakshadweep area on 23rd October, becoming less marked thereafter. However, IMD-GEFS, IMD-FGN, IMD-FCN, NCMRWF FourCastNet, NCMRWF GraphCast and NCMRWF PANGU indicate no significant system over the AS during the next seven days.

Inference:

Considering the environmental features and guidance from various numerical models, it is inferred that:

- ❖ The low-pressure area over southwest Arabian Sea is very likely to move west-northwestwards as a low-pressure area on 21st and then westsouthwestwards towards Somalia coast on 22nd October.
- ❖ The low-pressure area over southwest Bay of Bengal and adjoining Tamil Nadu is very likely to move nearly westwards across South Peninsular India during next 2 days.
- ❖ Yesterday's upper air cyclonic circulation over Gulf of Thailand and adjoining Thailand & Myanmar emerged and lay over North Andaman Sea at 1730 hours IST of today, the 21st October, 2026. Thereafter, it is likely to move west-northwestwards and under its influence a low-pressure area is likely to form over Southeast and adjoining Eastcentral Bay of Bengal around 23rd October, 2026. Then it is likely to move north-westwards and intensify further during subsequent 3 days.

A continuous watch is being maintained wrt further development and movement of above mentioned systems.

Confidence Level in estimation of following parameters wrt likely Low Pressure Area over southeast & adjoining eastcentral Bay of Bengal around 23rd Oct:

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

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	MOD	HIGH	-	-

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

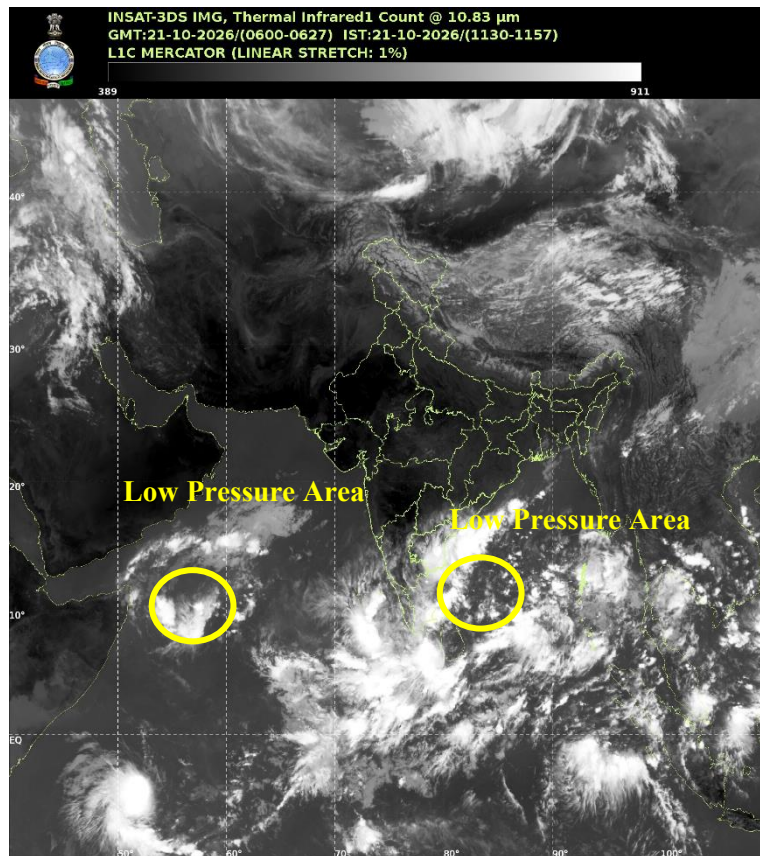
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Probability is indicated as NIL for 0%, LOW for 1-33%, MOD for 34-67% and High for 68-100%. Every 24 hrs forecast ends at the 0300 UTC of date.

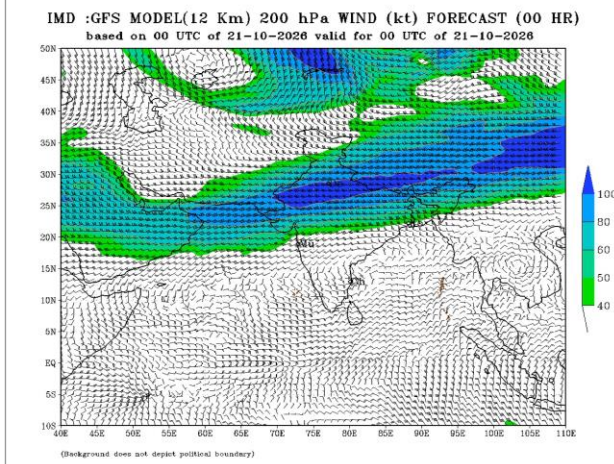
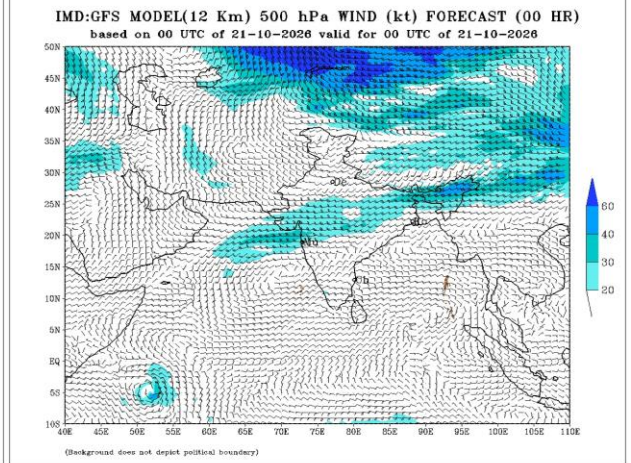
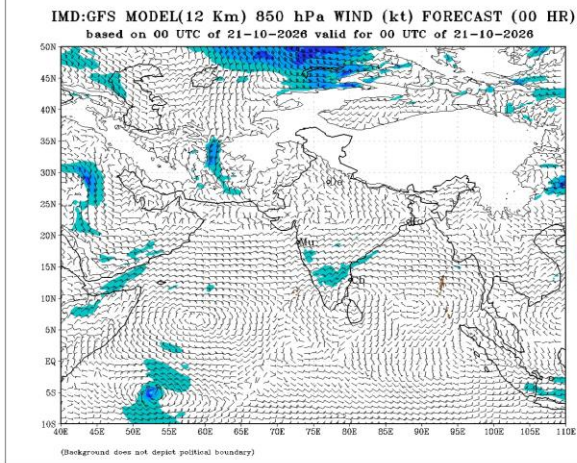
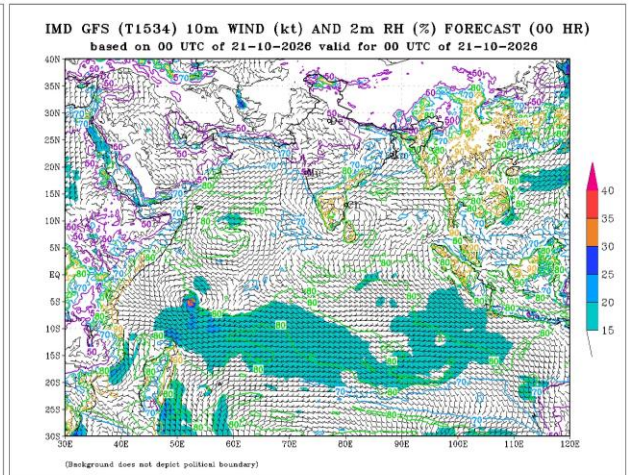
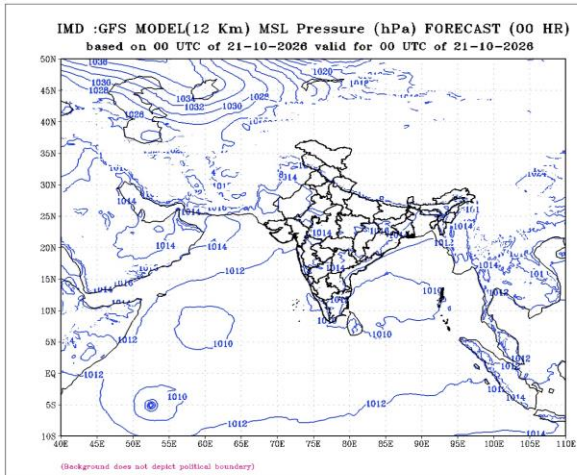
Intense Observation Period (IOP):

- (a) IOP is declared for Somalia coast, Socotra Islands during 21st -22nd October.
- (b) IOP is declared for Andaman & Nicobar Islands during 23rd-25th October.
- (c) IOP is declared for South Tamil Nadu, North Sri Lanka, Lakshadweep & Kerala during 21st- 23rd October.

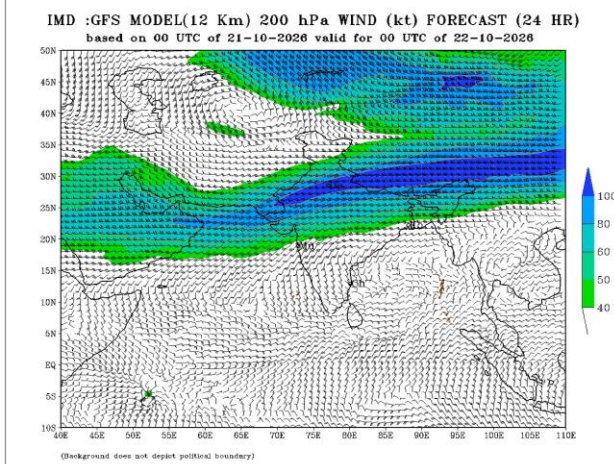
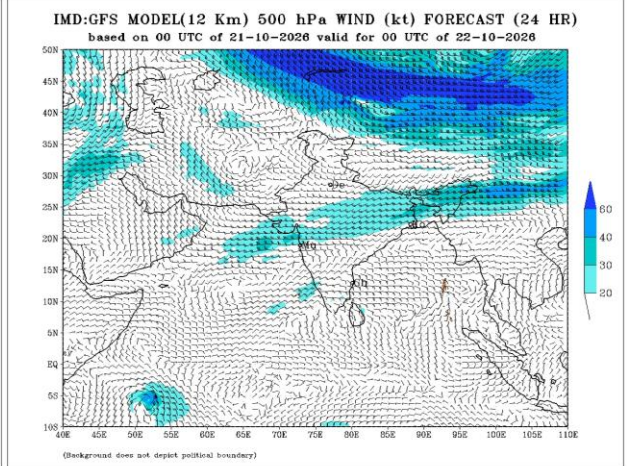
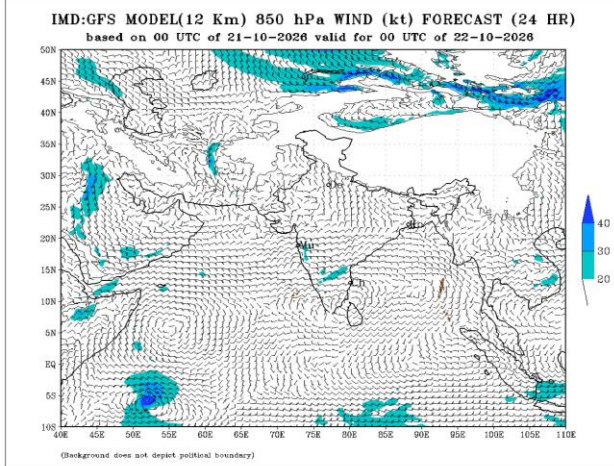
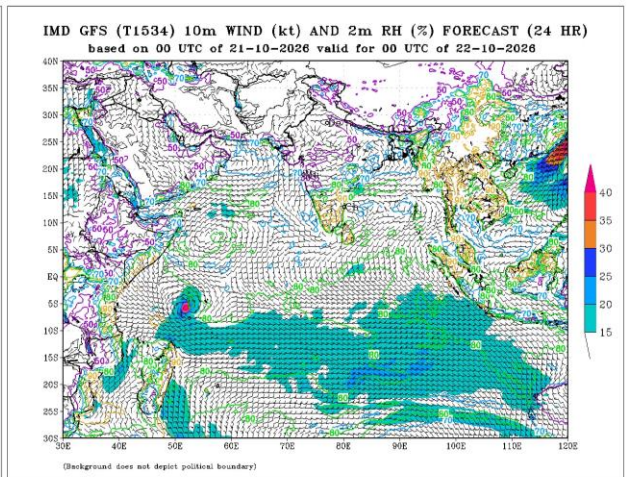
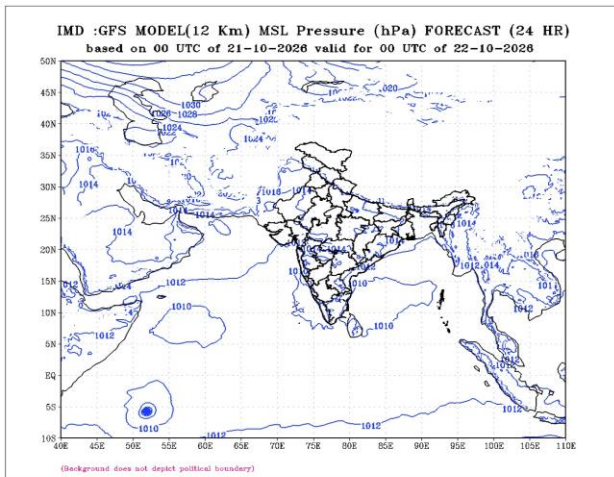
INSAT 3DR imageries at 0600 UTC of 21th October



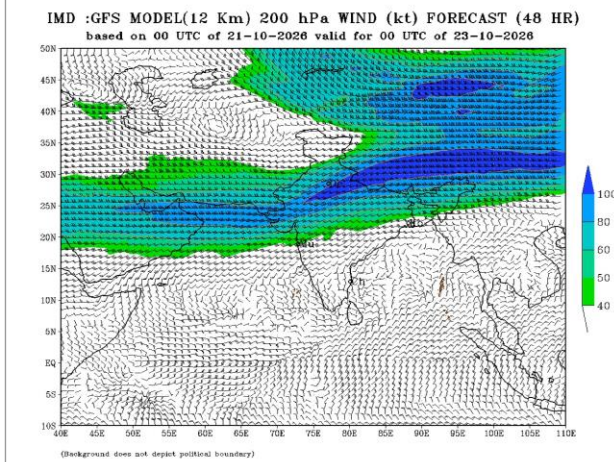
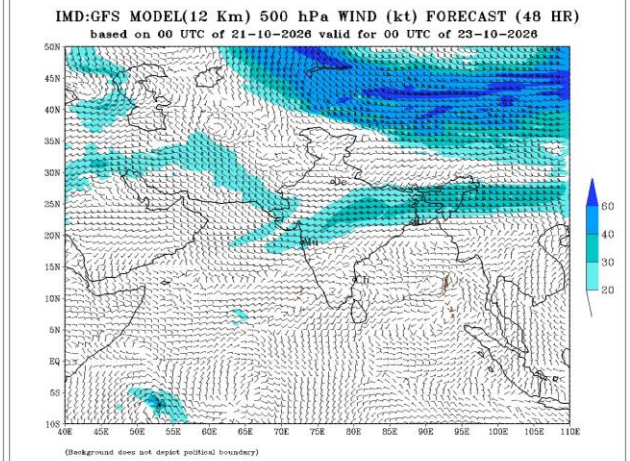
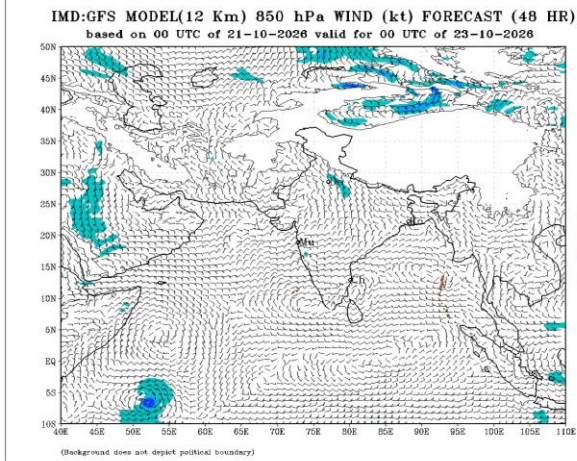
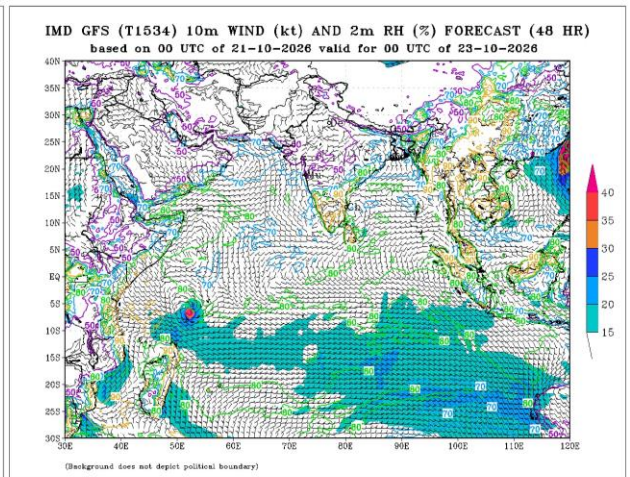
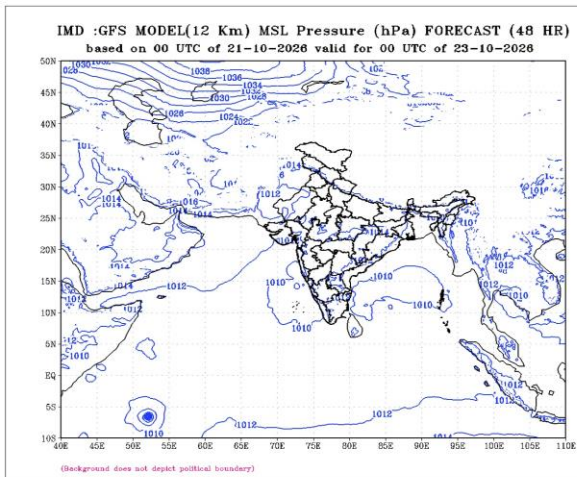
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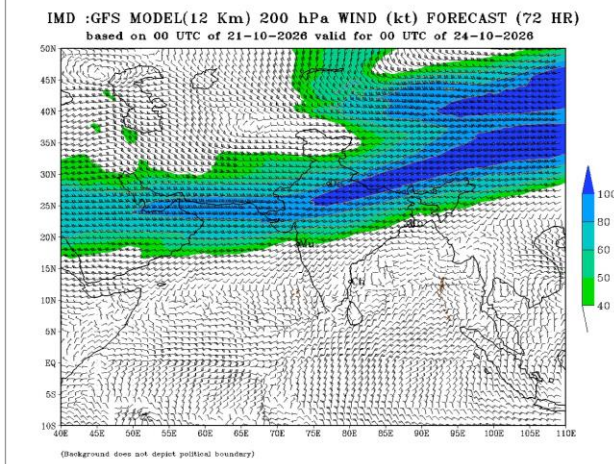
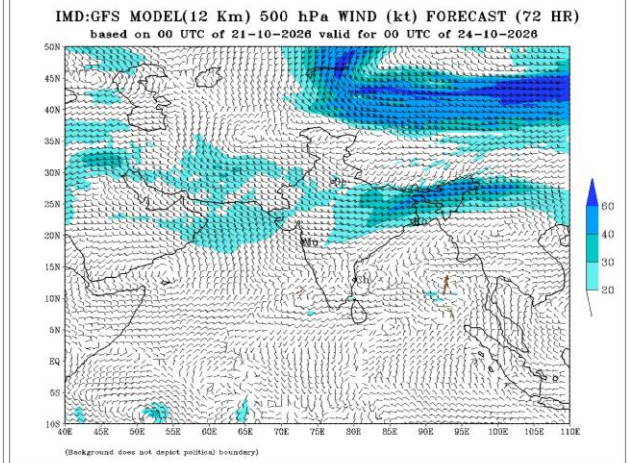
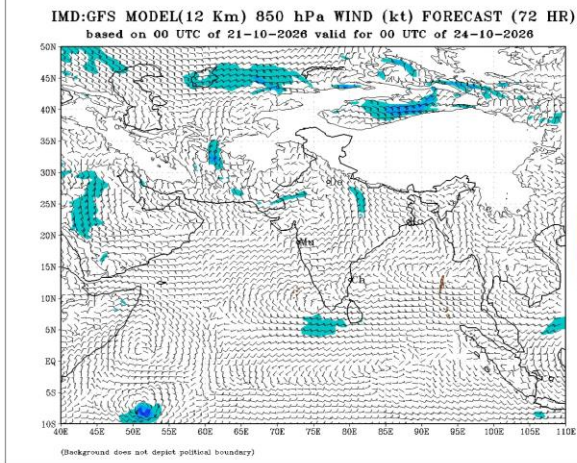
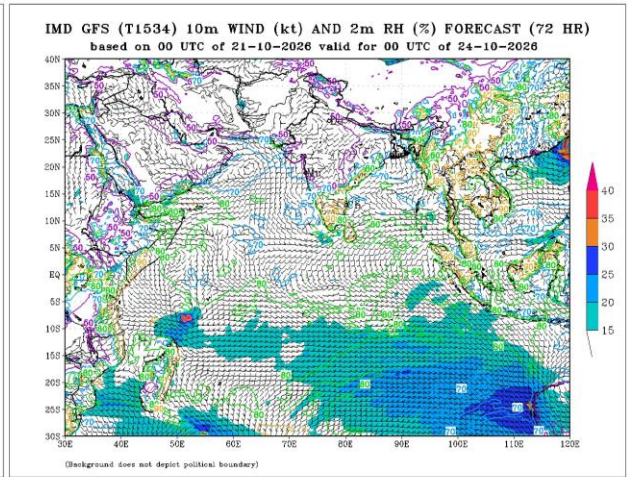
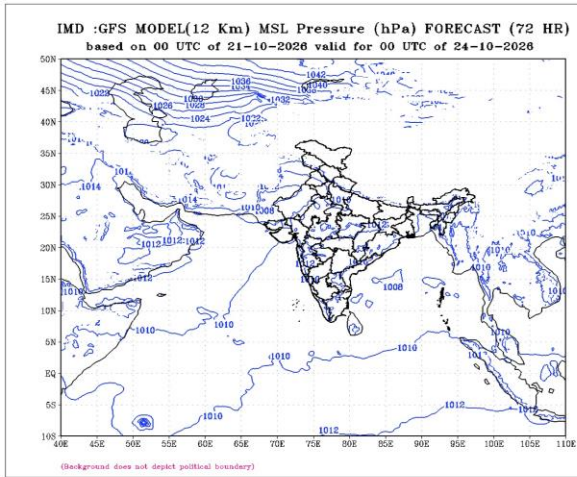
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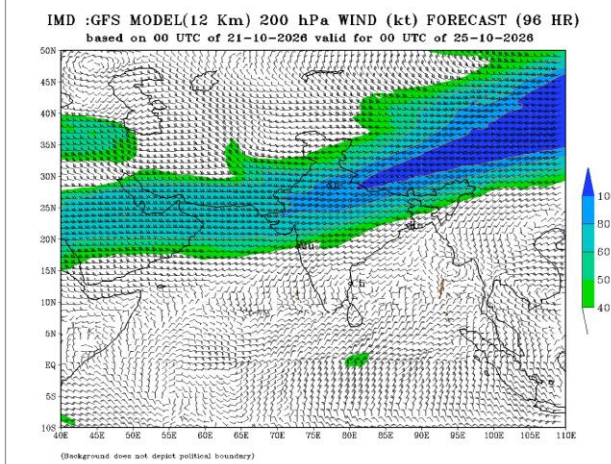
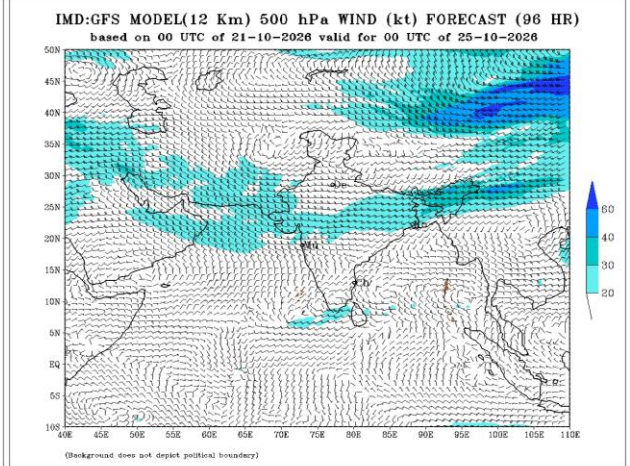
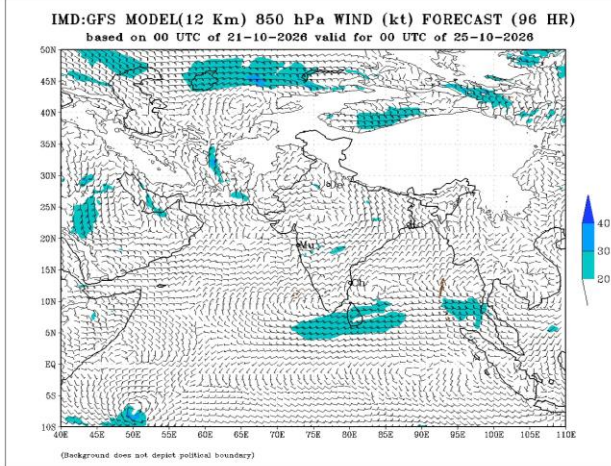
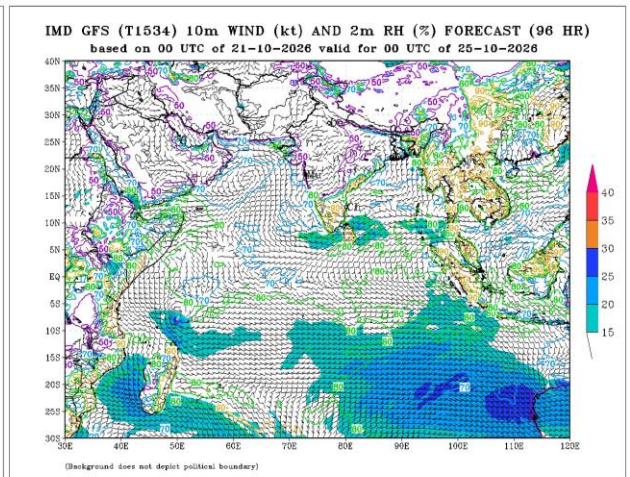
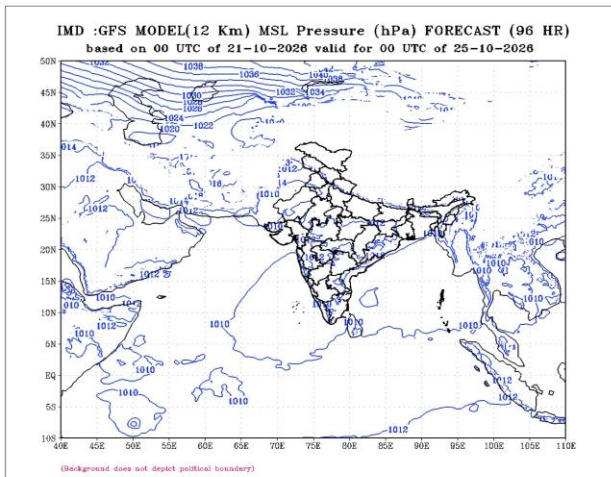
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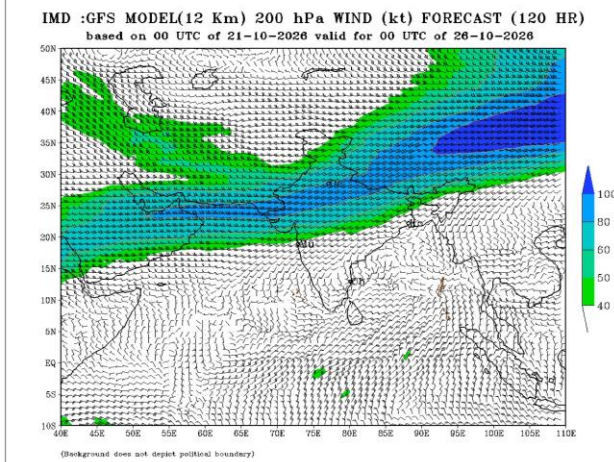
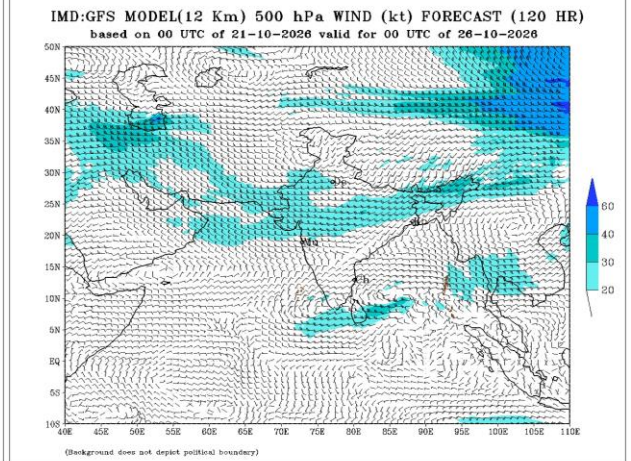
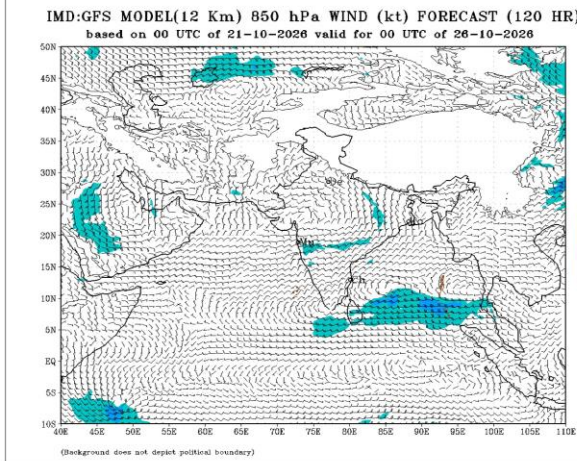
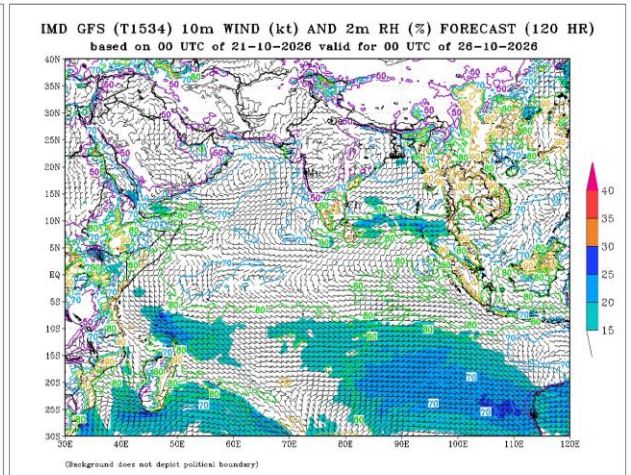
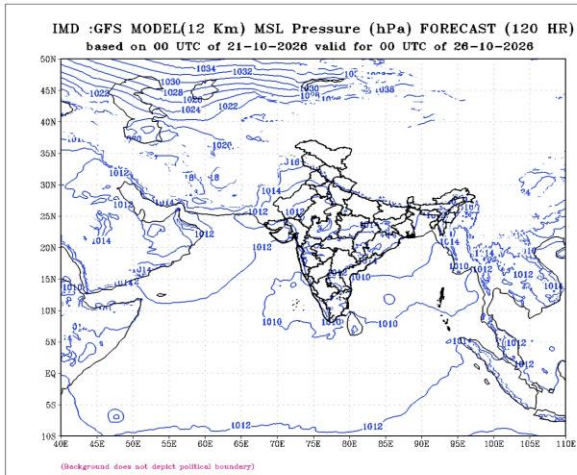
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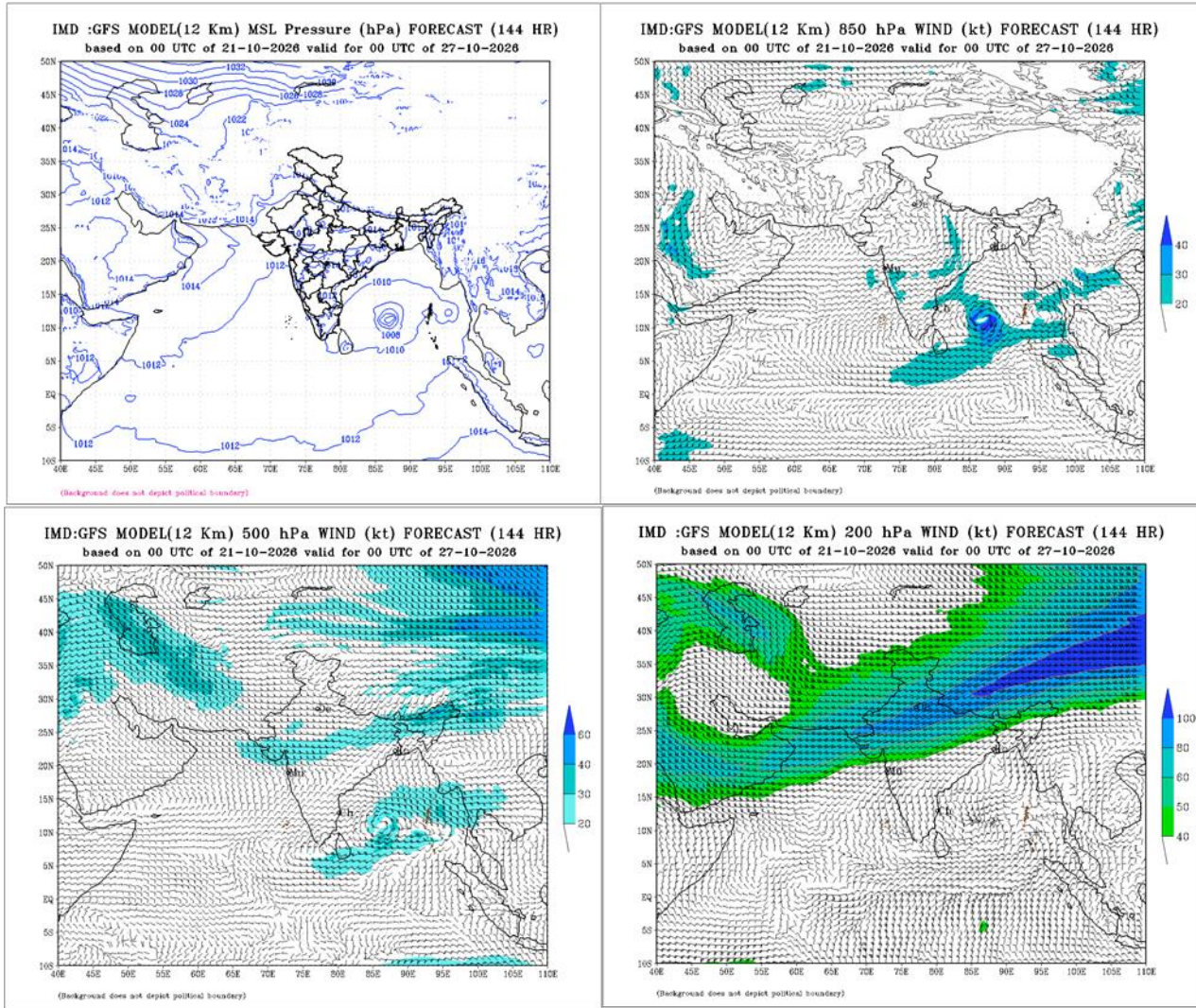
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Forecast +120h



Forecast +144h



Forecast +168h

