



Government of India
Ministry of Earth Sciences



India Meteorological Department

PRESS RELEASE-1

Time of issue: 1400 hours IST

Dated: 24th November, 2024

Sub: Well Marked Low Pressure Area over southeast Bay of Bengal and adjoining East Equatorial Indian Ocean

A low pressure area formed over east Equatorial Indian Ocean (EIO) and adjoining Southeast Bay of Bengal (BoB) at 0830 hrs IST of 23rd November 2024. It became well marked low pressure area and lay centred at 0830 hours IST of today, the 24th November 2024 over southeast BoB and adjoining East EIO.

It is likely to move west-northwestwards and intensify into a depression over central parts of south BoB on 25th November. Thereafter, it is likely to move northwestwards towards Tamil Nadu-Sri Lanka coasts during subsequent 2 days.

Pre-Genesis Forecast track and intensity are given in the following table:

Date/ Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
24.11.24/0830	5.0/87.0	35-45 gusting to 55	Well Marked Low Pressure Area
24.11.24/1730	5.1/86.3	40-50 gusting 60	Well Marked Low Pressure Area
25.11.24/0530	5.3/85.7	45-55 gusting to 65	Depression
25.11.24/1730	6.0/84.6	45-55 gusting to 65	Depression
26.11.24/0530	7.1/83.6	50-60 gusting 70	Deep Depression
26.11.24/1730	8.4/82.7	55-65 gusting to 75	Deep Depression
27.11.24/0530	9.6/81.8	55-65 gusting to 75	Deep Depression

Warnings:

(i) Rainfall Warning:

Coastal Tamil Nadu & Puducherry: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is very likely during 25th to 27th and heavy rainfall at isolated places is likely on 28th November.

Coastal Andhra Pradesh: Light to moderate rainfall at many places with heavy rainfall at isolated places is likely during 27th to 28th November.

(ii) Wind warning:

• Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail over southwest Bay of Bengal and adjoining southeast Bay of Bengal & East Equatorial Indian Ocean on 24 November.

Contact: Cyclone Warning Division, Office of the Director General of Meteorology, India Meteorological Department, Ministry of Earth Sciences, E-mail:cyclonewarningdivision@gmail.com, Website: rsmcnewdelhi.imd.gov.in, Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%, Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over southwest Bay of Bengal, adjoining southeast Bay of Bengal and along & off Sri Lanka coast on 25 November.
- Squally wind speed reaching 50-60 kmph gusting to 70 kmph is very likely to prevail over southwest Bay of Bengal and adjoining westcentral Bay of Bengal and along & off Tamil Nadu - Puducherry and south Andhra Pradesh coasts on 26th and likely to increase becoming 55-65 kmph gusting to 75 kmph on 27th and 28th November over the same region.

(iii) Sea condition:

- Rough sea conditions is very likely to prevail over southwest Bay of Bengal and adjoining southeast Bay of Bengal & East Equatorial Indian Ocean on 24 November.
- Rough to very Rough Sea condition is very likely to prevail over southwest Bay of Bengal, adjoining southeast Bay of Bengal and along & off Sri Lanka coast on 25 November.
- Rough to very Rough Sea condition is very likely to prevail over southwest Bay of Bengal, adjoining southeast Bay of Bengal and along & off Tamil Nadu - Puducherry and south Andhra Pradesh coasts on 26th to 28th November.

(iv) Fisherman warning:

- Fishermen out at sea are advised to return to coasts by morning of tomorrow, the 25th November, 2024.
- Fishermen are advised not venture into
 - southeast Bay of Bengal & east Equatorial Indian Ocean on 24th and 25th November, 2024.
 - southwest Bay of Bengal and along & off Sri Lanka coast till 28th November, 2024.
 - Westcentral Bay of Bengal during 26-28th November 2024
 - and along & off Tamil Nadu – Puducherry and south Andhra Pradesh coasts during 26th to 28th November 2024.

(v) Impact Expected [over coastal areas of Tamil Nadu – Puducherry and south Andhra Pradesh]

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Damage to horticulture and standing crops in some areas due to inundation.

(vi) Action Suggested

- Fishermen out at sea are advised to return to coasts by morning of tomorrow, the 25th November, 2024.
- Fishermen are advised not venture into
 - southeast Bay of Bengal & east Equatorial Indian Ocean on 24th and 25th November, 2024.
 - southwest Bay of Bengal and along & off Sri Lanka coast till 28th November, 2024.
 - Westcentral Bay of Bengal during 26-28th November 2024
 - and along & off Tamil Nadu – Puducherry and south Andhra Pradesh coasts during 26th to 28th November 2024.
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.

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- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

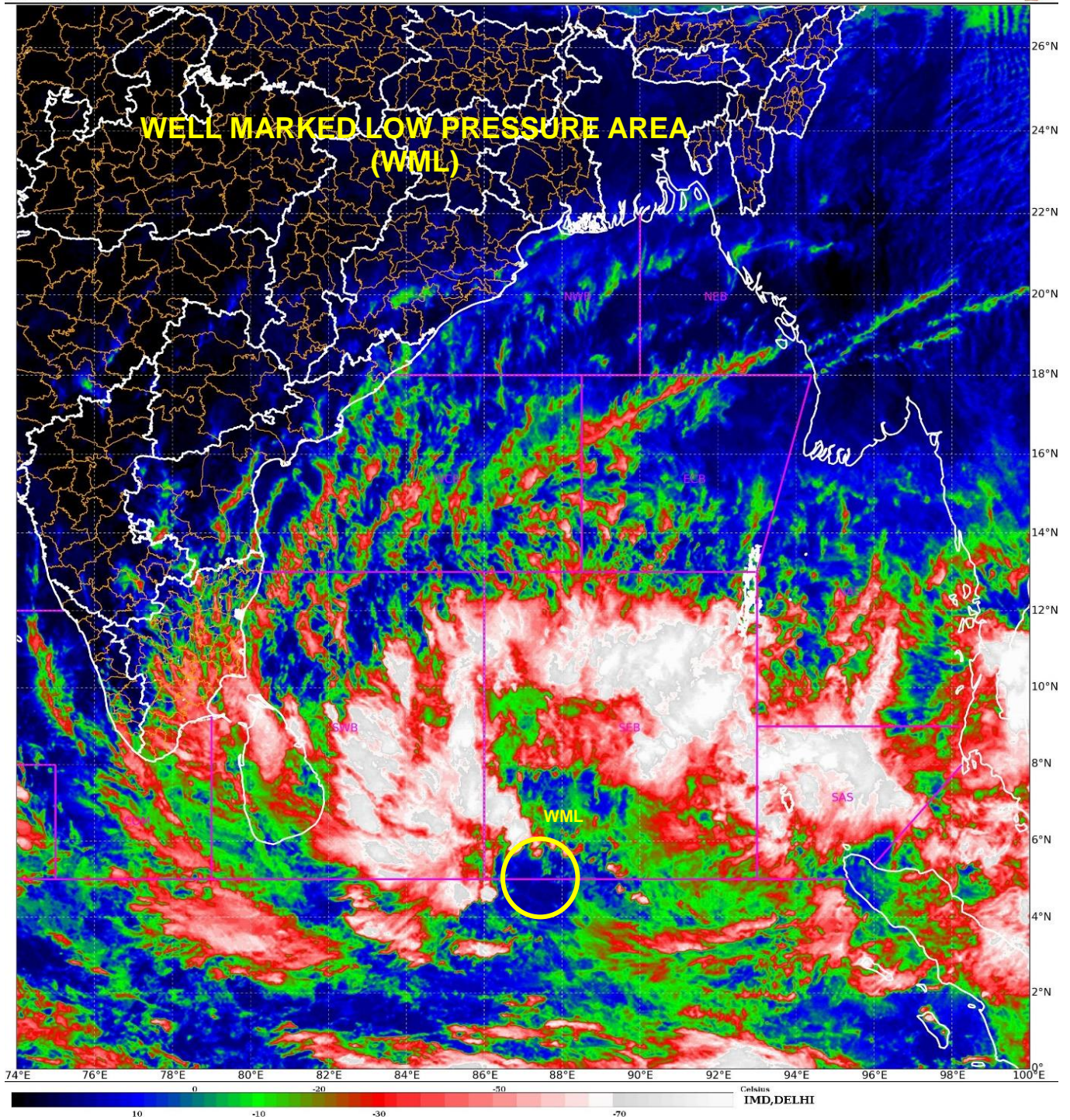
(vii) Agromet advisories [over coastal areas of Tamil Nadu – Puducherry and Andhra Pradesh]

- Make provision for draining out excess water from crop fields to avoid water stagnation.
- Provide mechanical support to horticultural crops and staking to vegetables.

All associated graphics have been kept in Annexure-I.

Next Press Release will be issued at 1430 hours IST of tomorrow, the 25th November, 2024.

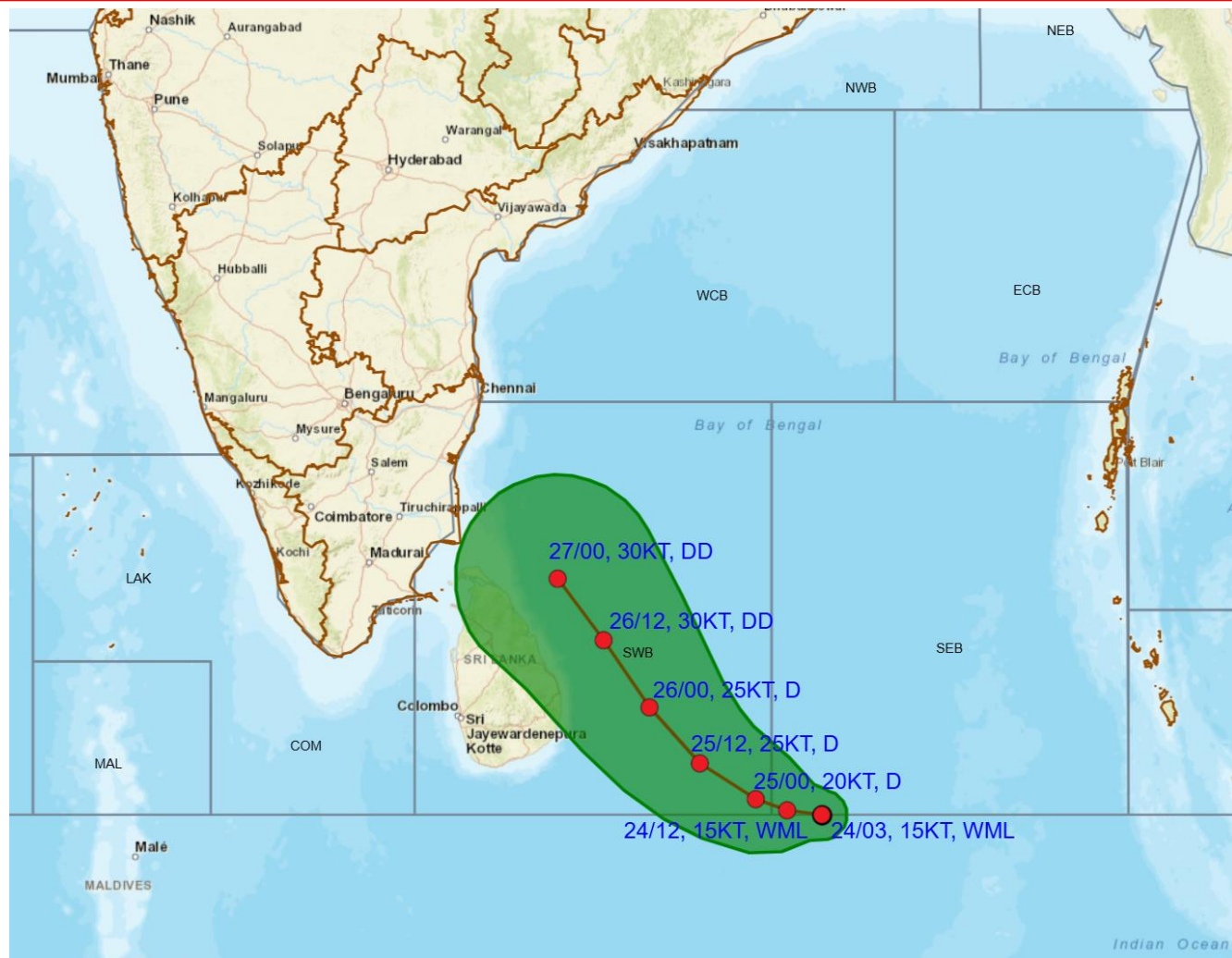
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OBSERVED AND PRE-GENESIS FORECAST TRACK ALONG WITH CONE OF UNCERTAINTY OF WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST BAY OF BENGAL ADJOINING EAST EQUATORIAL INDIAN OCEAN BASED ON 0300 UTC (0830 Hrs. IST) OF 24th NOVEMBER, 2024



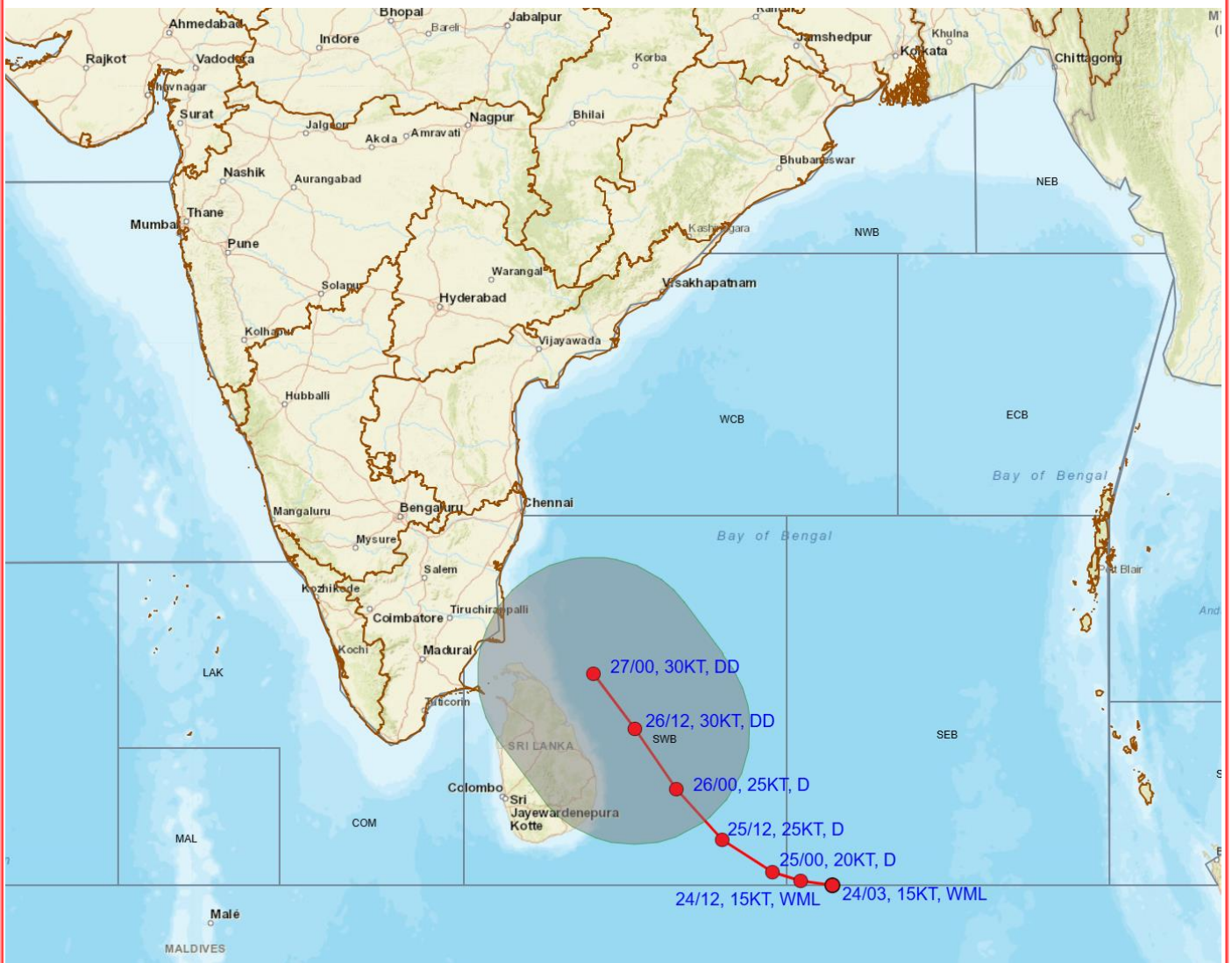
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

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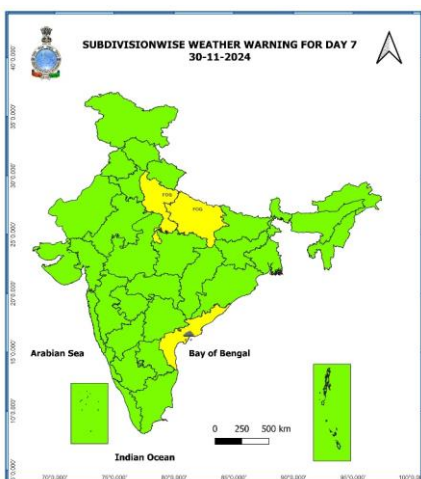
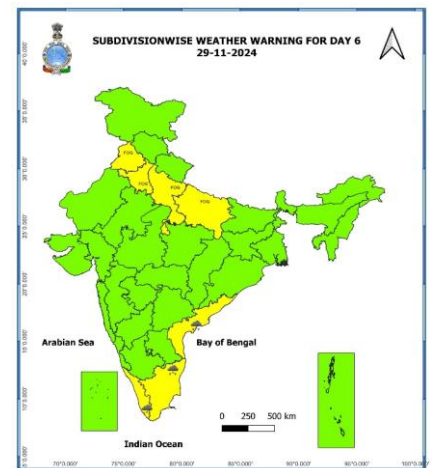
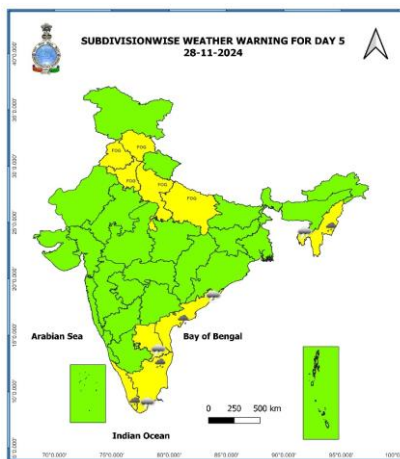
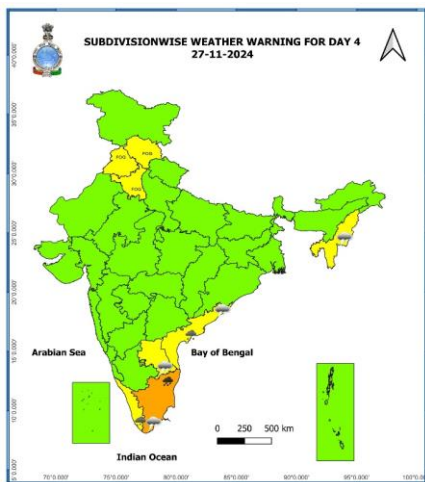
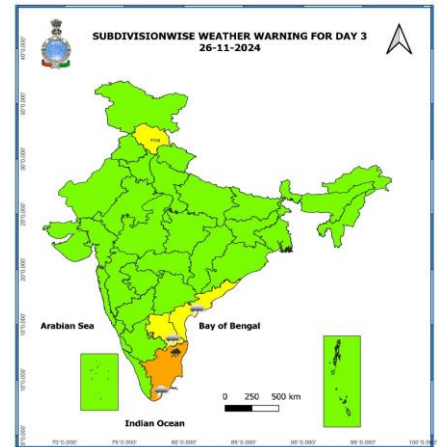
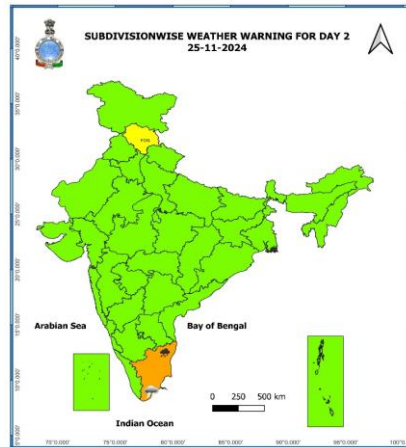
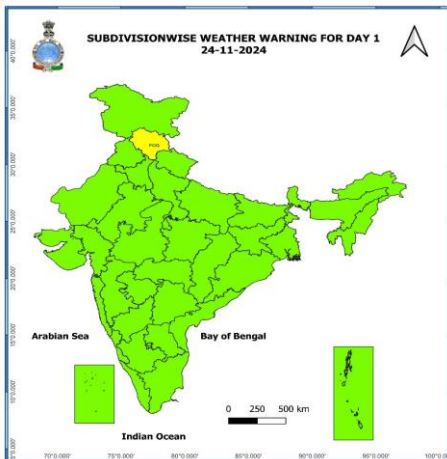
OBSERVED AND PRE-GENESIS FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF WELL MARKED LOW PRESSURE AREA OVER SOUTHEAST BAY OF BENGAL ADJOINING EAST EQUATORIAL INDIAN OCEAN BASED ON 0300 UTC (0830 Hrs. IST) OF 24th NOVEMBER, 2024



<p>DATE/TIME IN UTC IST=UTC + 0530 L: LOW PRESSURE AREA WML: WELL MARKED LOW PRESSURE AREA D: DEPRESSION (17-27 KT) DD: DEEP DEPRESSION (28-33 KT) CS: CYCLONIC STORM (34-47 KT) SCS: SEVERE CYCLONIC STORM (48-63KT)</p>	<p>● LESS THAN 34 KT ○ 34-47 KT ⊙ ≥ 48 KT — OBSERVED TRACK — FORECAST TRACK ▲ CONE OF UNCERTAINTY AREA OF MAXIMUM SUSTAINED WIND SPEED: ■ 20-30 KT (35-55 KMPH)</p>
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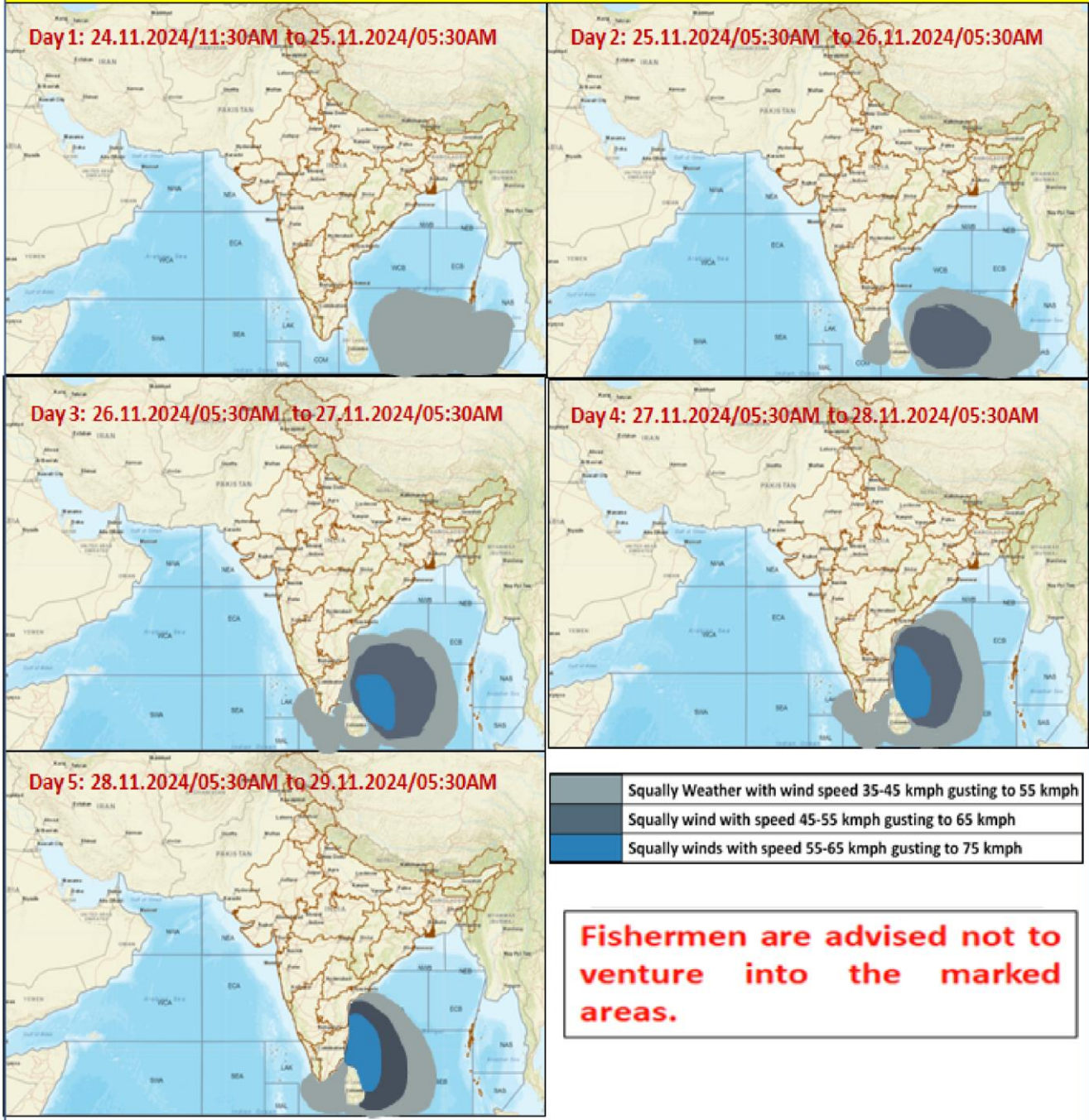
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Weather Warning Graphics



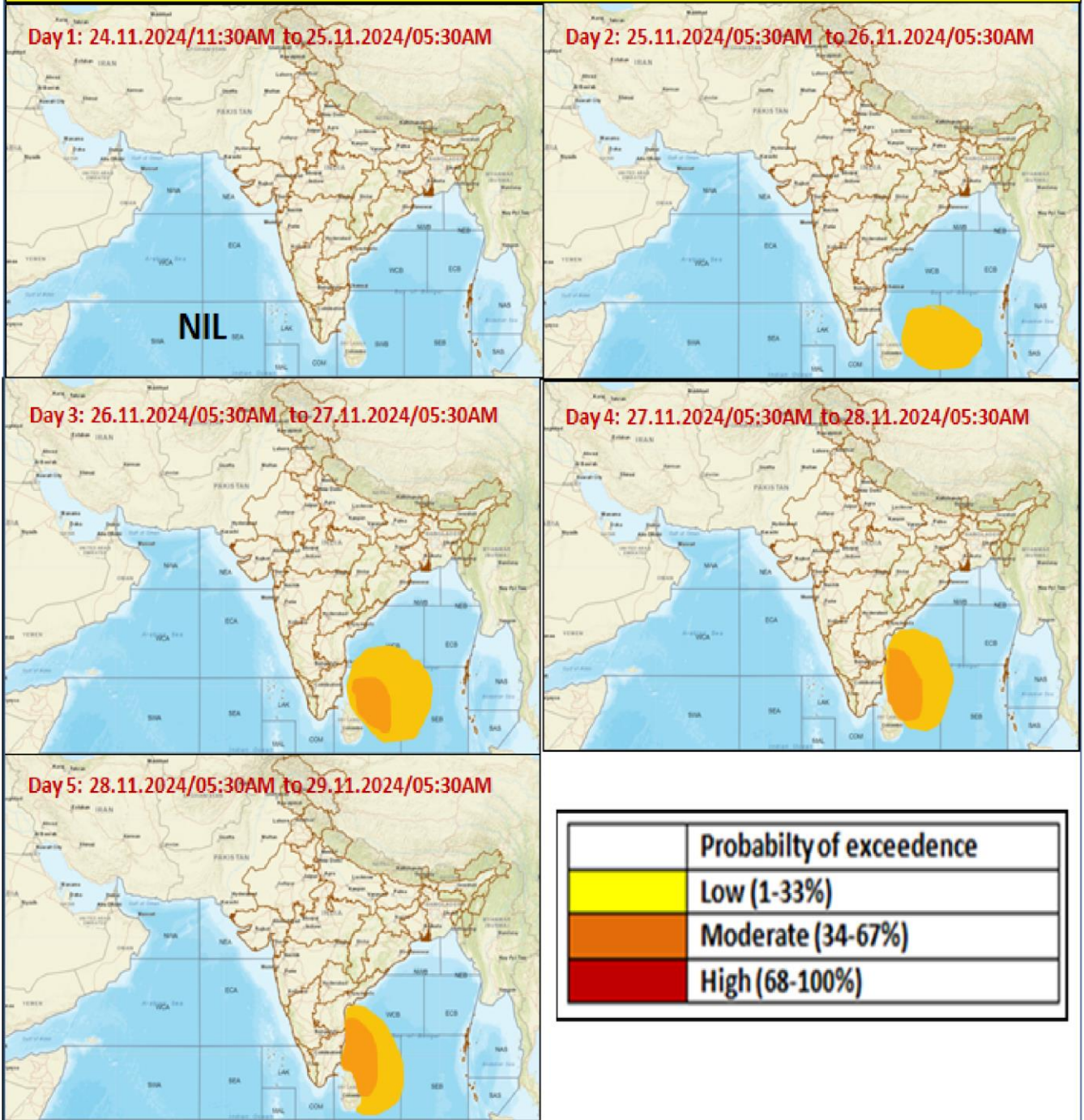
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Fishermen Warning Graphics



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Probability of exceedance of maximum sustained winds \geq 45 kmph



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