



**India Meteorological Department
(Ministry of Earth Sciences)**

SPECIAL MESSAGE NO. 1 (BOB/07/2024)

TIME OF ISSUE:1330 HOURS IST

DATED:24.11.2024

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO. 26701729)

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SECRETARY, MOES (FAX NO. 24629777)

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DIRECTOR GENERAL, AIR (23421105, 23421219)

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D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)

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CHIEF SECRETARY, PUDUCHERRY (FAX NO. 0413-2334145)

CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)

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

Yesterday's low pressure area over East Equatorial Indian Ocean and adjoining Southeast Bay of Bengal moved west-northwestwards, became well marked and lay centred at 0830 hours IST of today, the 24th November 2024 over southeast Bay of Bengal and adjoining East Equatorial Indian Ocean.

It is likely to continue to move west-northwestwards and intensify into a depression over central parts of south Bay of Bengal 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 to 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 to 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.
- 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.
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 - 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.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

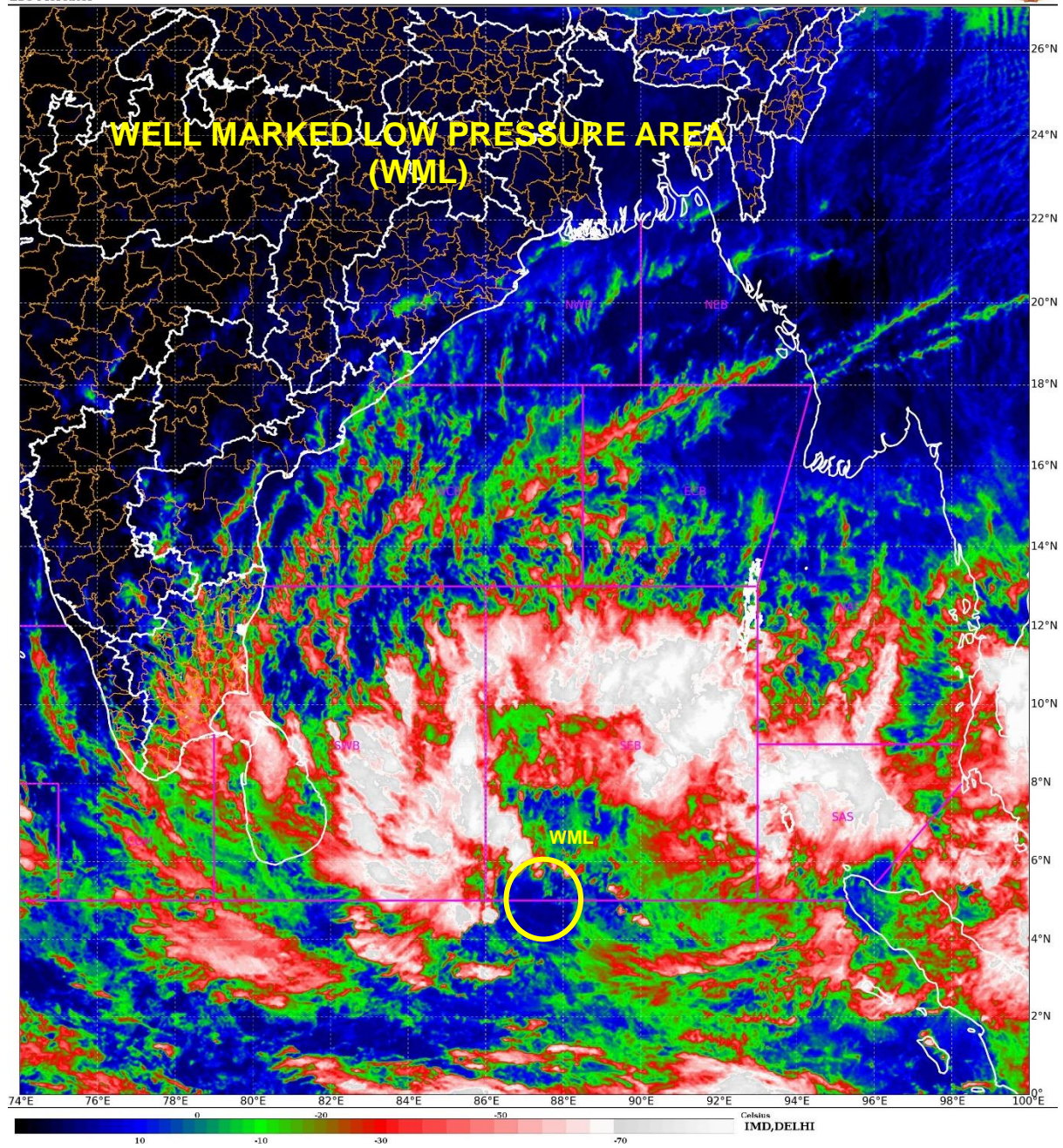
(vii) Agromet advisories [over coastal areas of Tamil Nadu – Puducherry and Andhra Pradesh]

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

Next bulletin will be issued at 1130 hours IST of tomorrow, the 25th November, 2024.

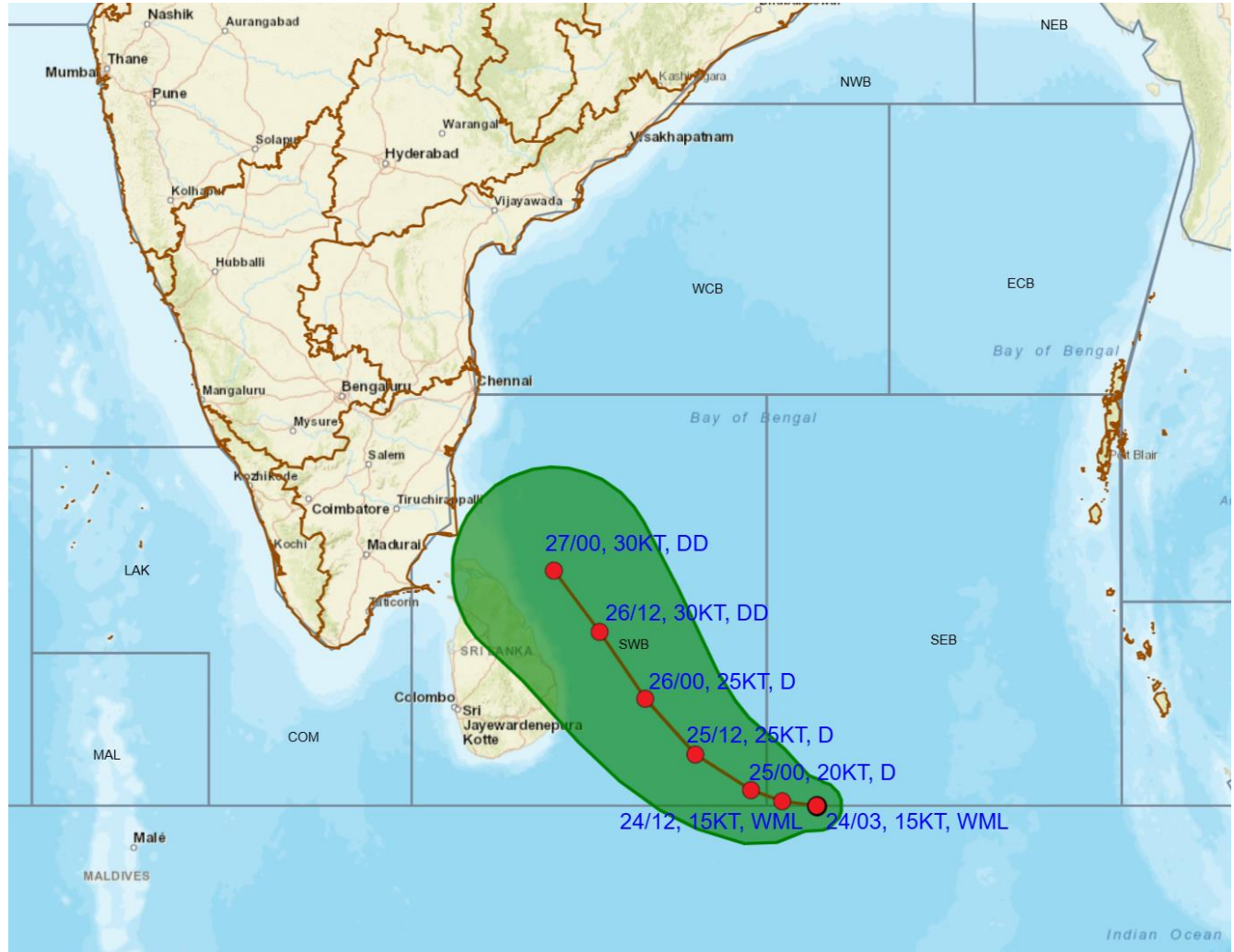
(Dr. Ananda Kumar Das)
Scientist F, Cyclone Warning, New Delhi

Copy to: ACWC Kolkata/ACWC Chennai/CWC Bhubaneswar/MC, Amaravati/MC, Thiruvananthapuram/CWC, Vishakhapatnam











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

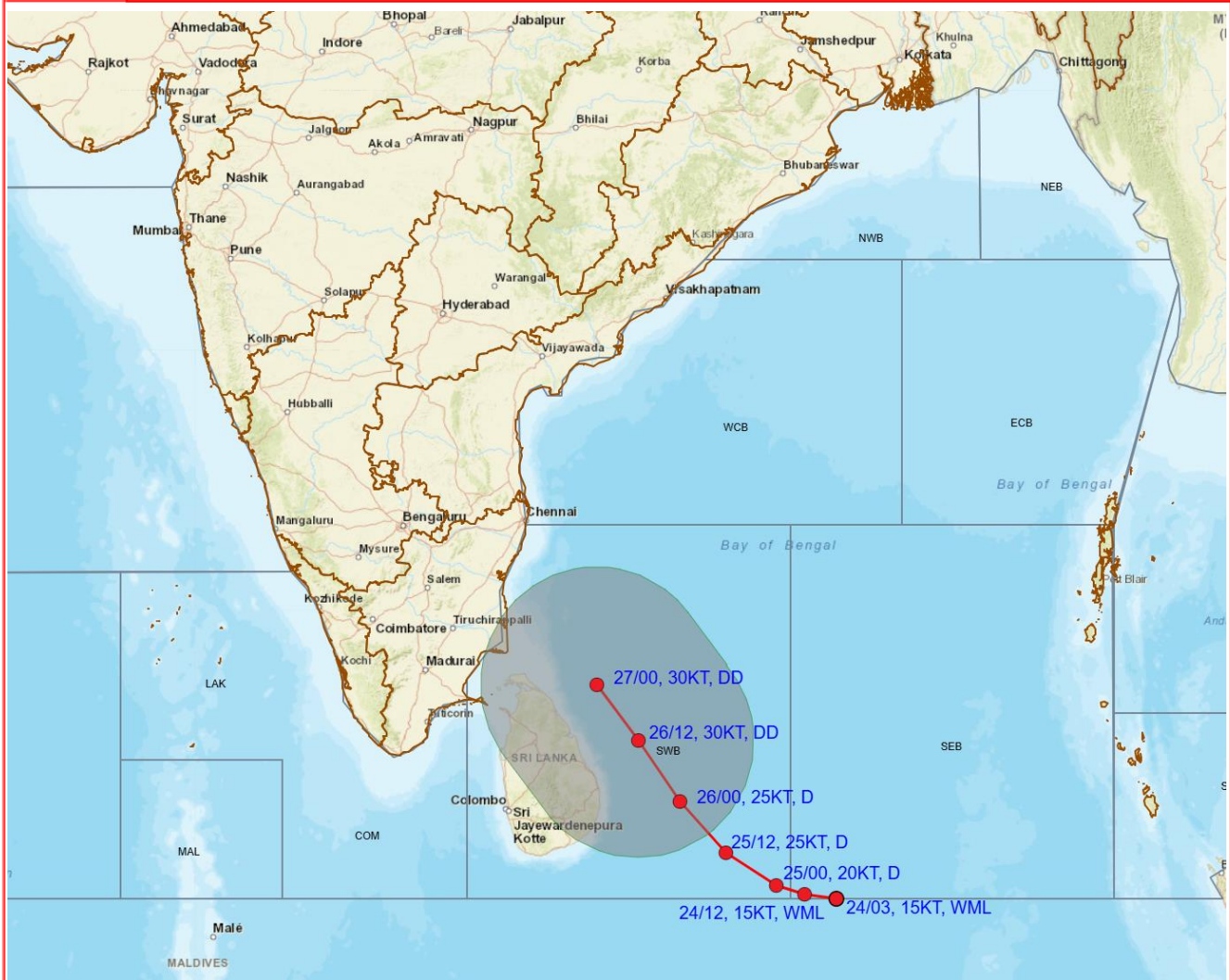


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119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

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



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



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

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● LESS THAN 34 KT

○ 34-47 KT

● ≥ 48 KT

— OBSERVED TRACK

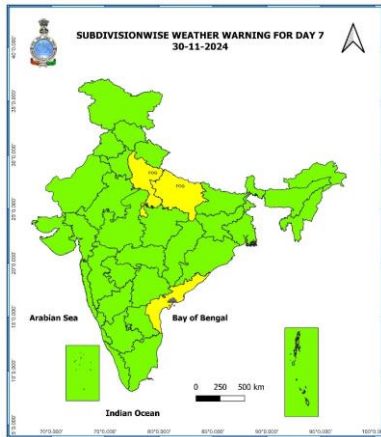
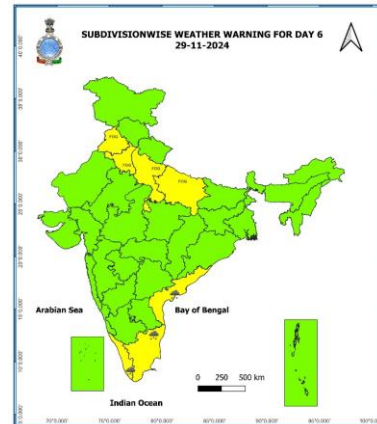
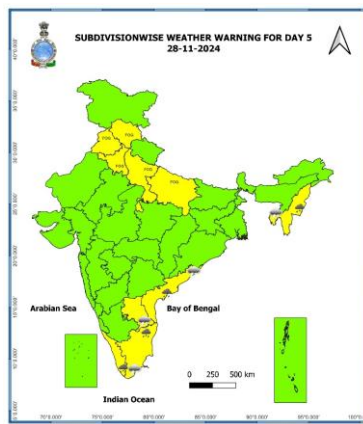
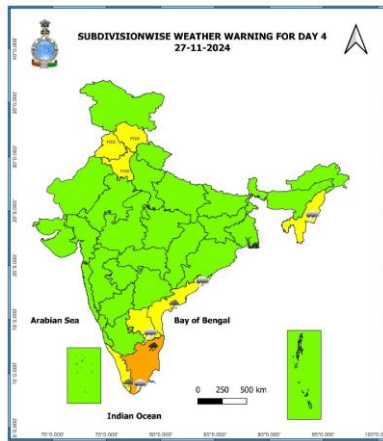
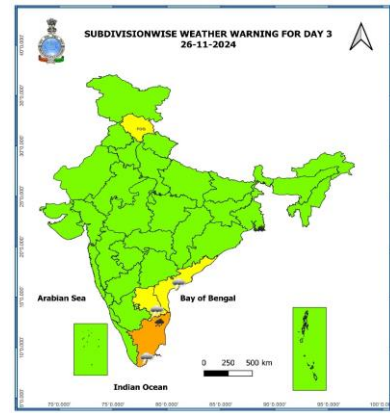
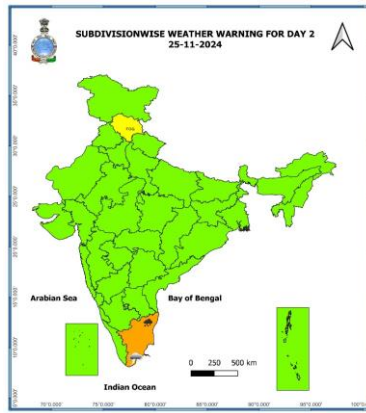
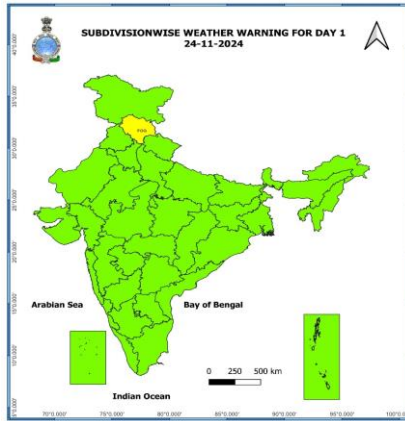
— FORECAST TRACK

▲ CONE OF UNCERTAINTY

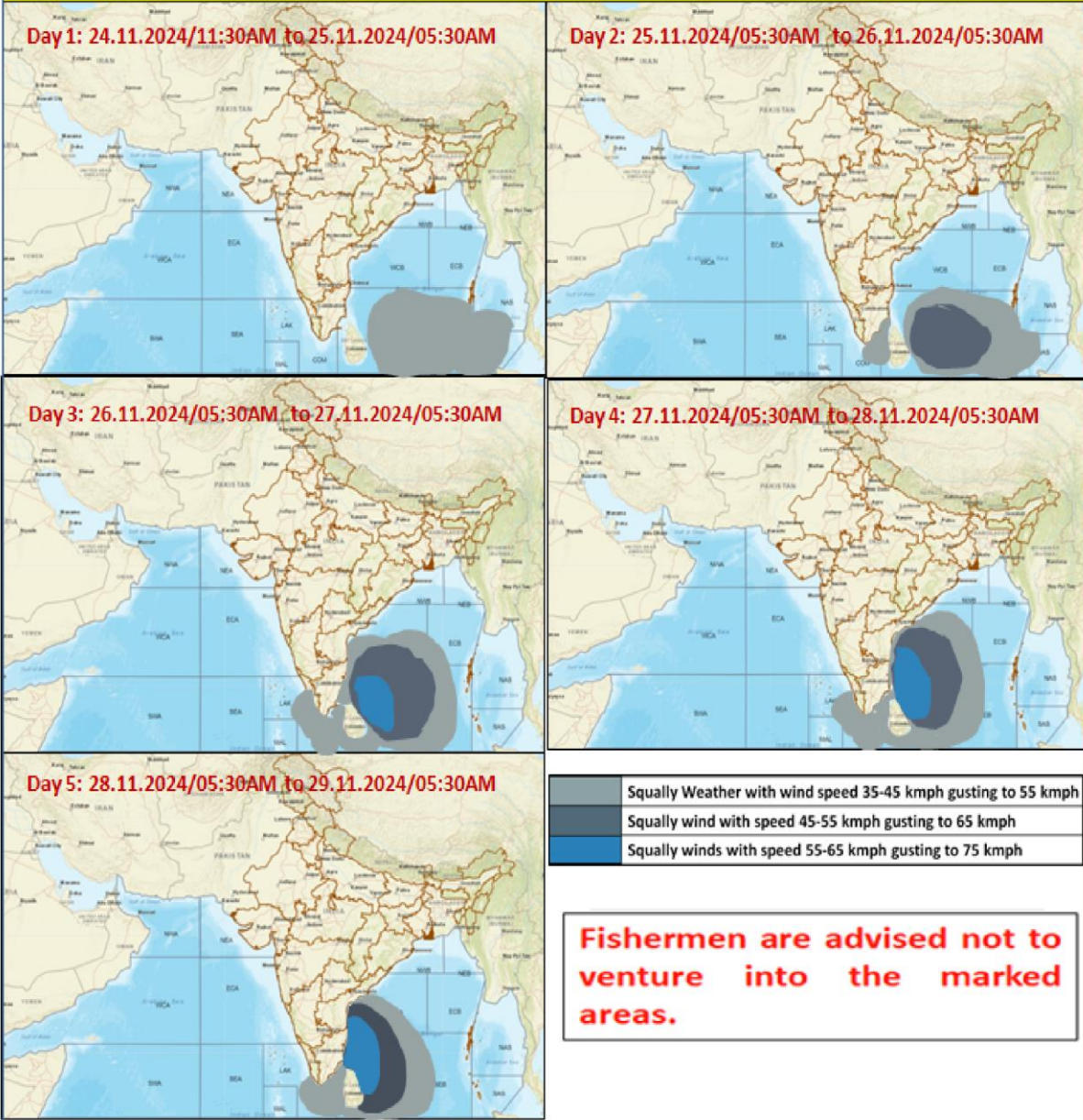
■ AREA OF MAXIMUM SUSTAINED WIND SPEED:

■ 20-30 KT (35-55 KMPH)

Weather Warning Graphics



Fishermen Warning Graphics



Probability of exceedance of maximum sustained winds ≥ 45 kmph

