



India Meteorological Department

(Ministry of Earth Sciences)

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FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)
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CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23012284, 23018638)
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CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)
CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)

Sub: Depression over westcentral Bay of Bengal off Andhra Pradesh coast

The well marked low pressure area over westcentral & adjoining southwest Bay of Bengal has moved slightly northwards, concentrated into a depression and lay centred at 1730 hrs IST of today, the 20th December 2024 over westcentral Bay of Bengal off Andhra Pradesh coast, near latitude 13.7°N and longitude 83.5°E, about 370 km east-northeast of Chennai (Tamil Nadu), 450 km south of Visakhapatnam (Andhra Pradesh) and 640 km south-southwest of Gopalpur (Odisha).

The system is likely to move north-northeastwards during next 24 hours.

Warnings:

(i) Rainfall warning

Coastal Andhra Pradesh: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely over coastal Andhra Pradesh on 20th December and over north coastal Andhra Pradesh on 21st December 2024.

Odisha: Light to moderate rainfall at a few places with **heavy rainfall** at isolated places is very likely on 20th December 2024.

(ii) Wind warning:

Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over westcentral and adjoining southwest Bay of Bengal till morning of 23rd December.

Squally wind speed reaching 40 to 50 kmph gusting to 60 kmph is likely to prevail along and off Andhra

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.

Pradesh-north Tamil Nadu coasts till morning of 23rd December;

Squally weather with wind speed reaching 35 to 45 kmph gusting to 55kmph is likely to prevail along & off south Odisha coasts on 21st & 22nd December.

(iii) Sea Condition:

Rough to very rough sea conditions are very likely to prevail over westcentral and adjoining southwest Bay of Bengal till morning of 23rd December.

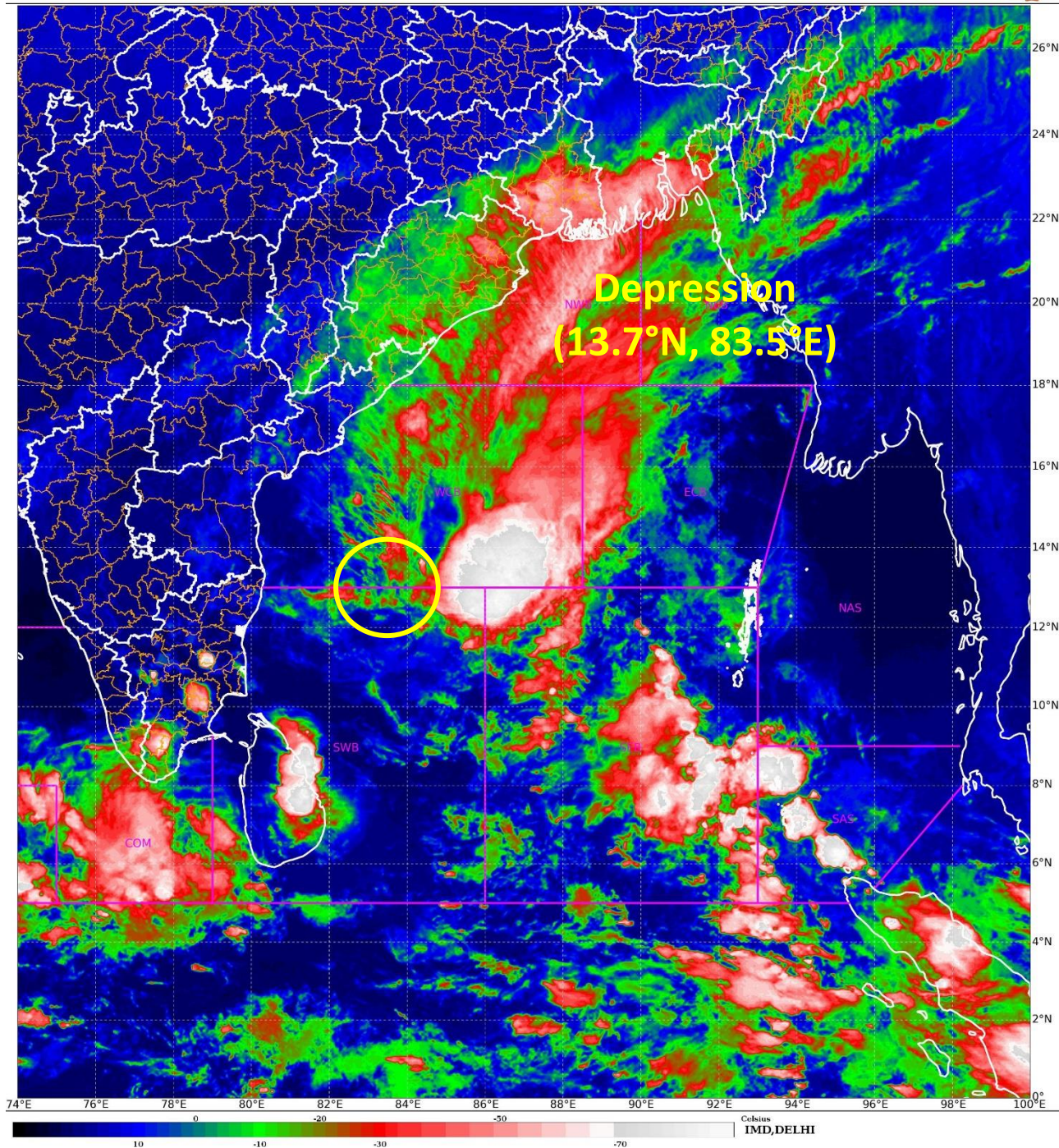
Rough sea conditions are very likely along & off Andhra Pradesh coast-north Tamil Nadu coast till 23rd December and along and off south Odisha coast on 21st & 22nd December.

(iv) Fishermen Warning:

Fishermen are advised not to venture into westcentral & adjoining southwest Bay of Bengal till morning of 23rd December; Along & off Andhra Pradesh coast-north Tamil Nadu coast till 23rd December and along & off south Odisha coast on 21st & 22nd December.

(Dr Shashi Kant)
Scientist-D, RSMC, New Delhi

Copy to: CRS, Pune/RMC Chennai /RMC Kolkata/RMC Guwahati/MC Bhubaneswar/MC Ranchi/MC Patna/MC Raipur/ MC Agartala/ MC Shillong/MC Aizawl



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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER WESTCENTRAL BAY OF BENGAL OFF ANDHRA PRADESH COAST ON 1200 UTC (1730 HRS. IST) OF 20th DECEMBER, 2024.



DATE/TIME IN UTC
IST=UTC + 0530

1KT=1.85 KMPH

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

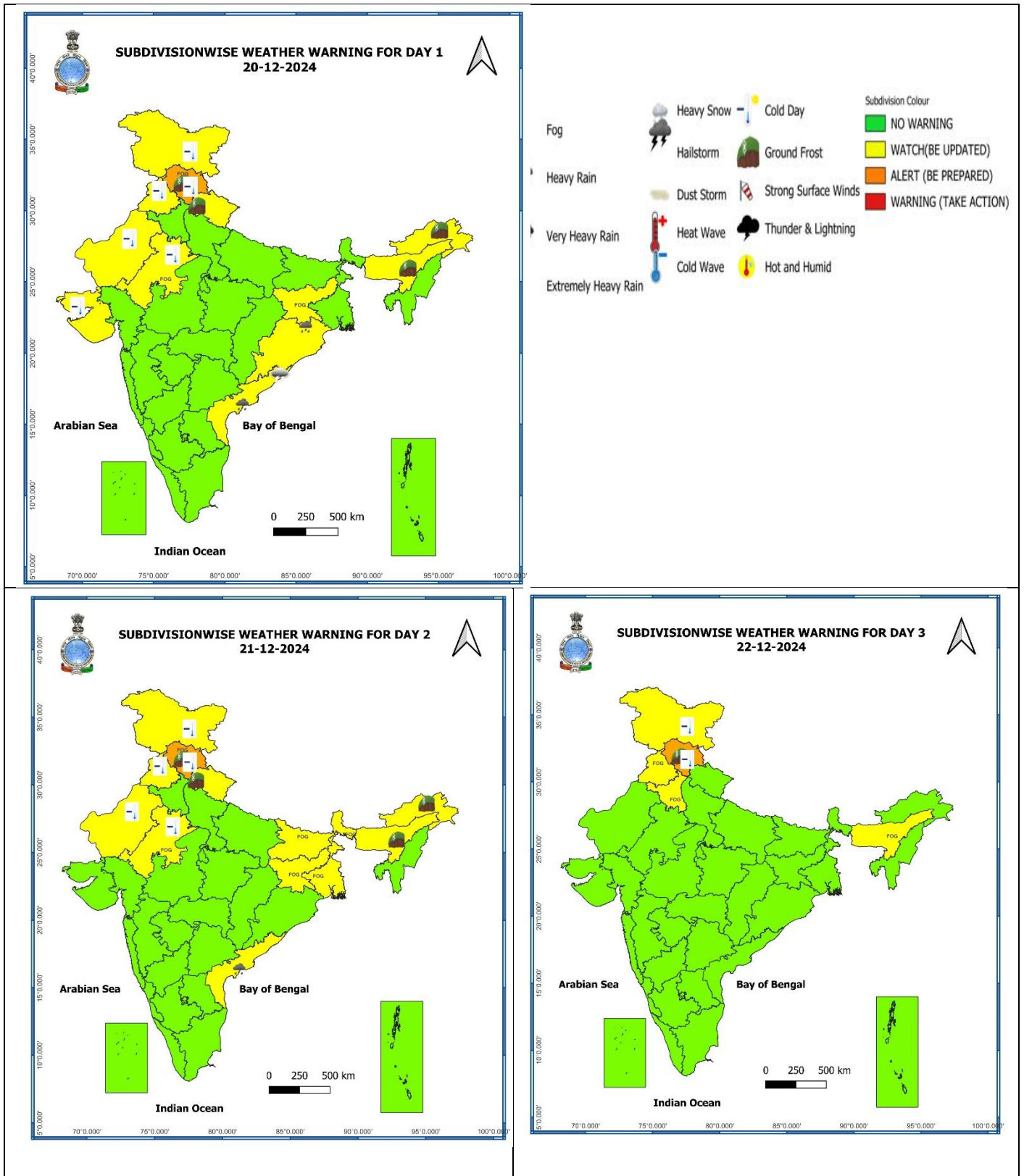
— FORECAST TRACK

▲ CONE OF UNCERTAINTY

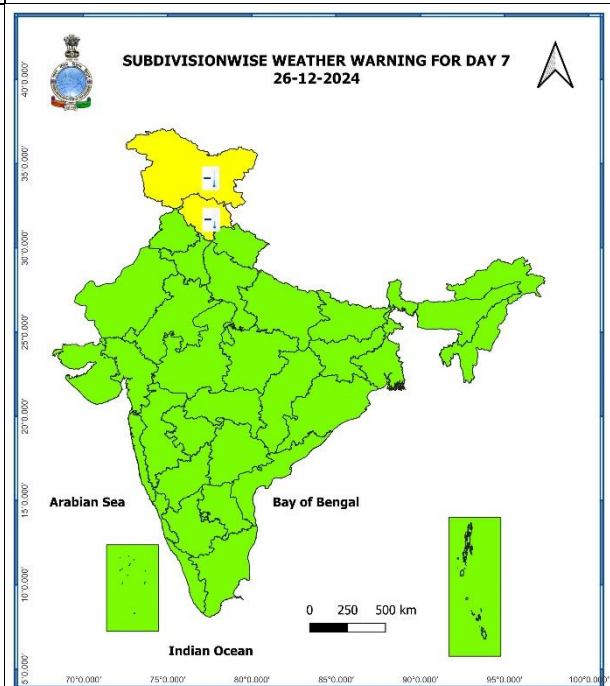
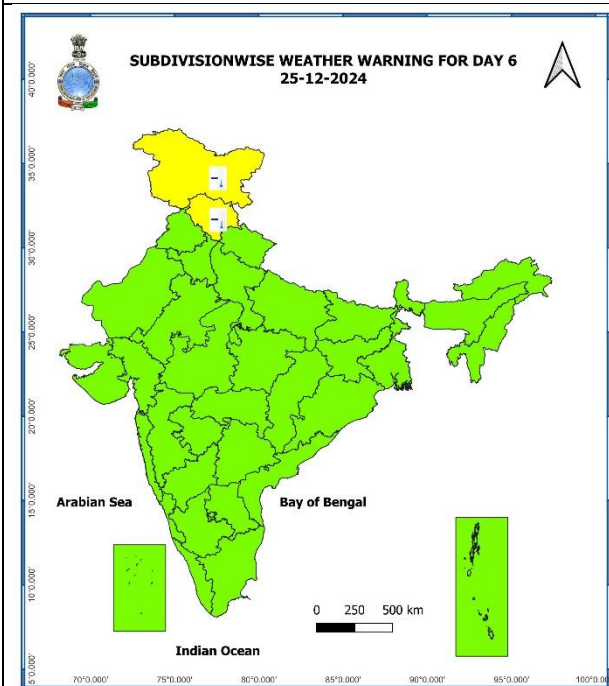
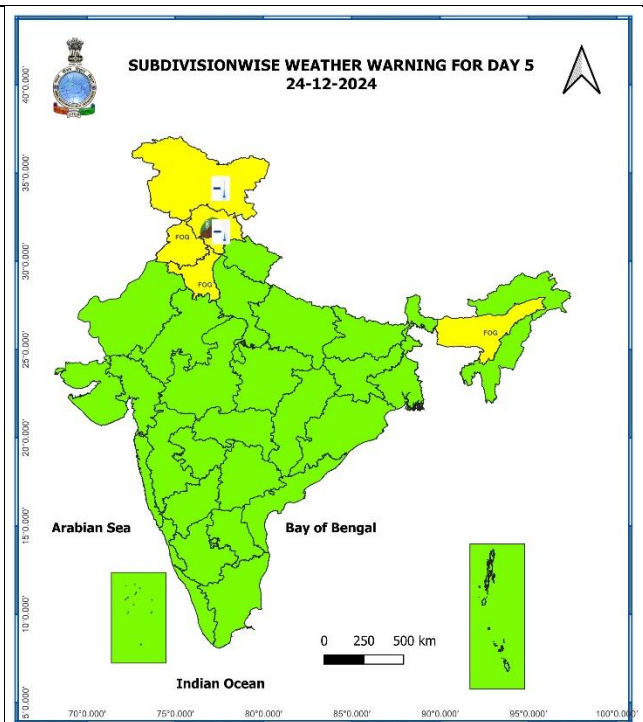
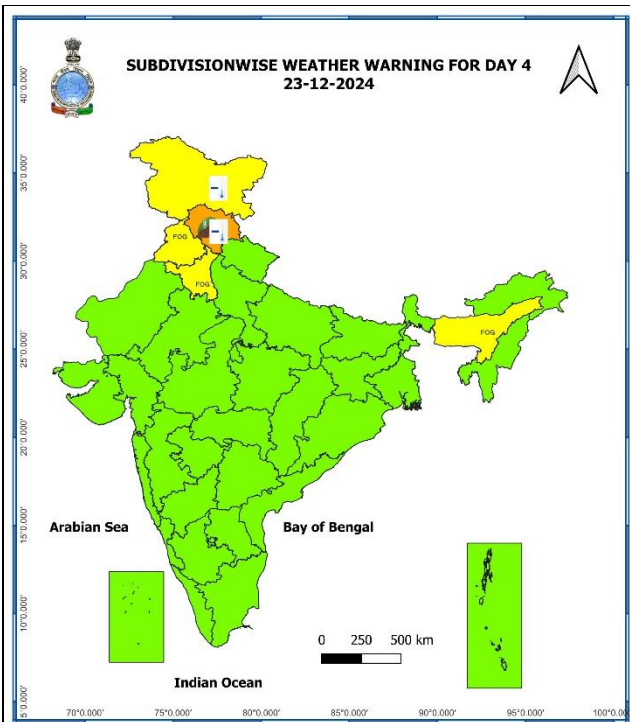
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Warning Graphics



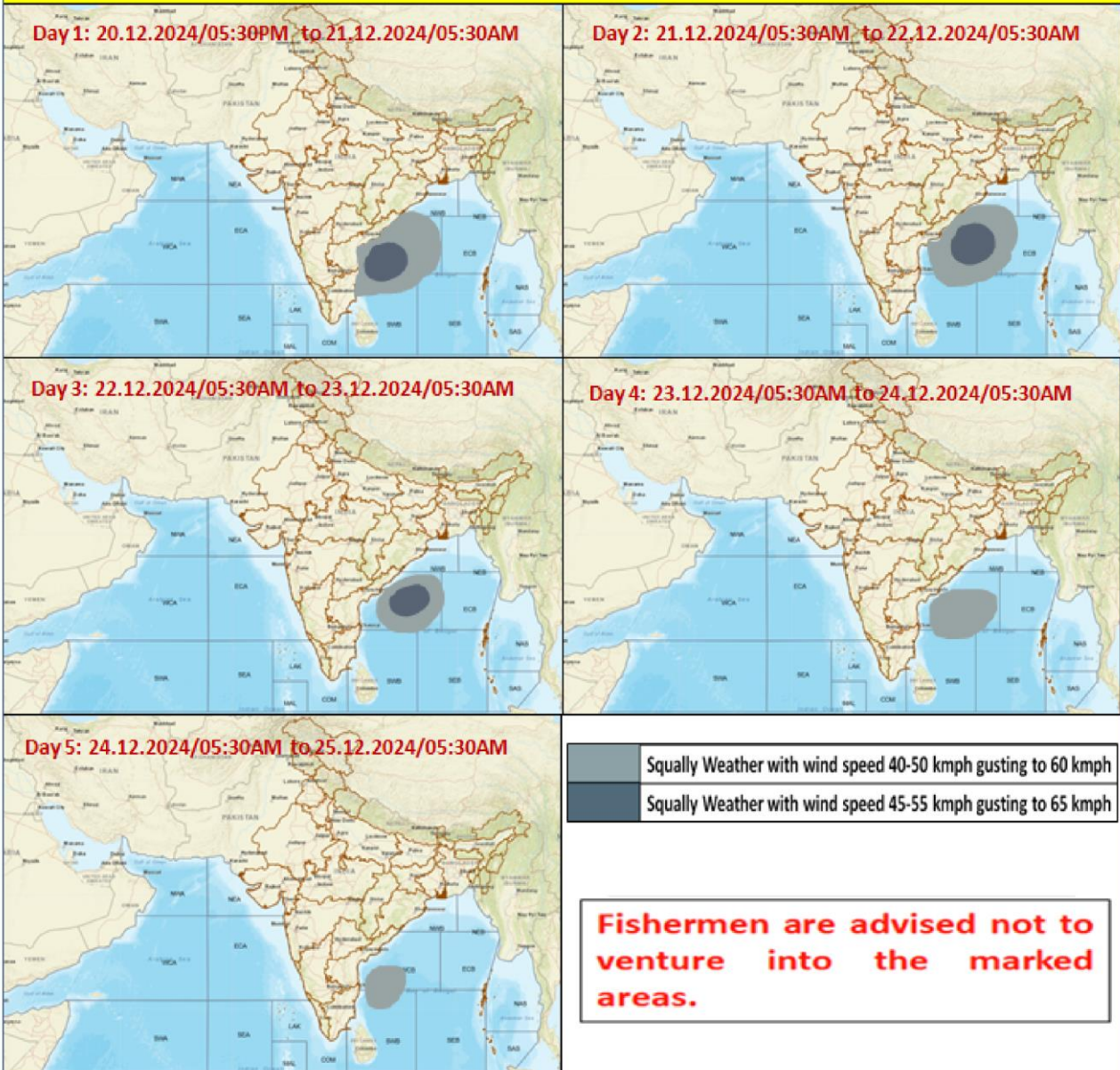
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- Action may be taken based on **ORANGE AND RED COLOUR** warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases

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Fishermen Warning Graphics



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