



India Meteorological Department

(Ministry of Earth Sciences)

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DATED: 21.12.2024

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)
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 depression over westcentral Bay of Bengal off Andhra Pradesh coast moved northeastwards with the speed of 5 kmph during past 6 hours and lay centred at 2330 hrs IST of 20th December 2024 over the same region, near latitude 13.9°N and longitude 83.7°E, about 390 km east-northeast of Chennai (Tamil Nadu), 430 km south of Visakhapatnam (Andhra Pradesh) and 610 km south-southwest of Gopalpur (Odisha).

The system is likely to move 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 north coastal Andhra Pradesh on 21st 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 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.

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.

(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.

Next Bulletin will be issued on 0830 hrs IST of 21st December 2024.

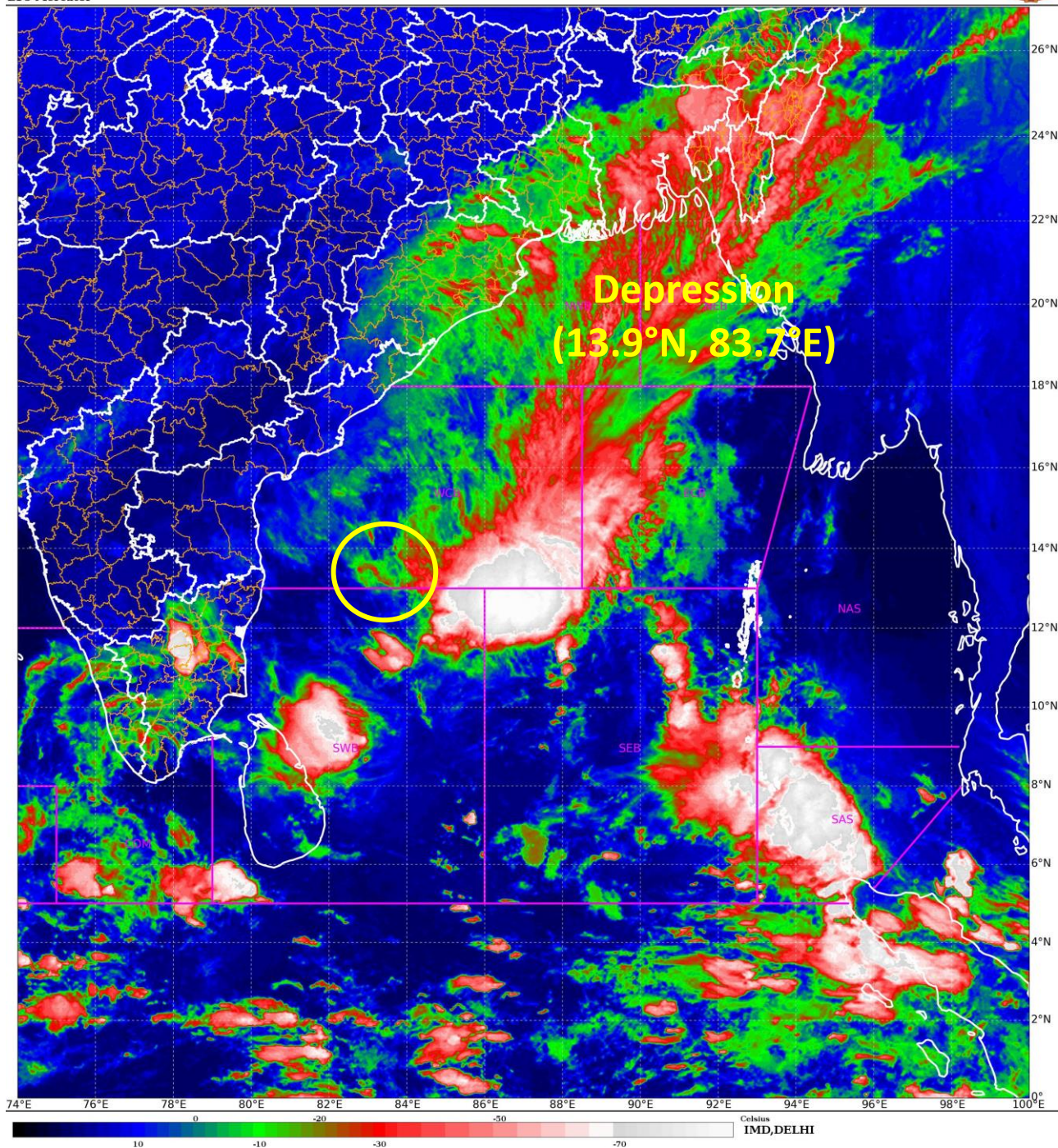
(Dr Shashi Kant)

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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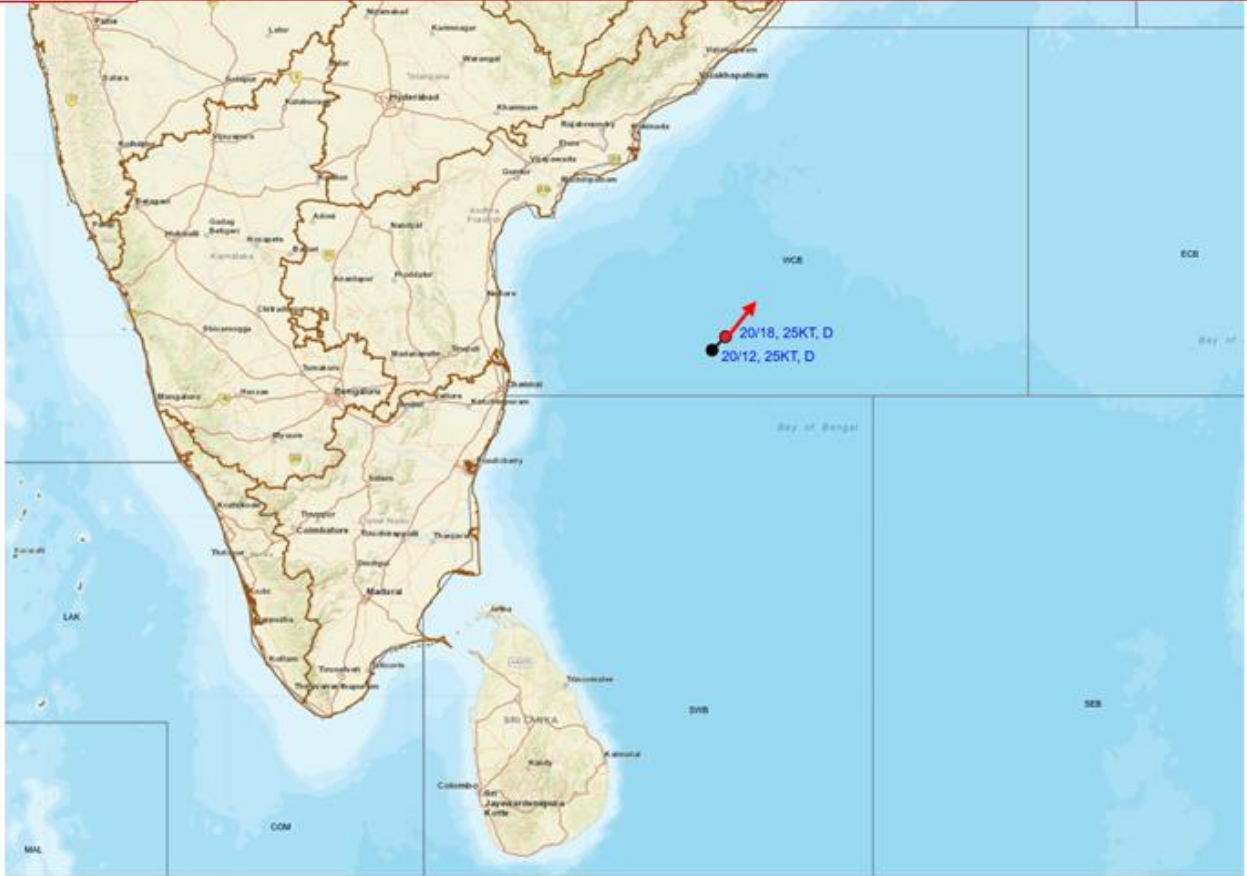
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OBSERVED AND FORECAST TRACK OF DEPRESSION OVER WESTCENTRAL BAY OF BENGAL OFF ANDHRA PRADESH COAST ON 1800 UTC (2330 HRS. IST) OF 20th DECEMBER, 2024.



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)

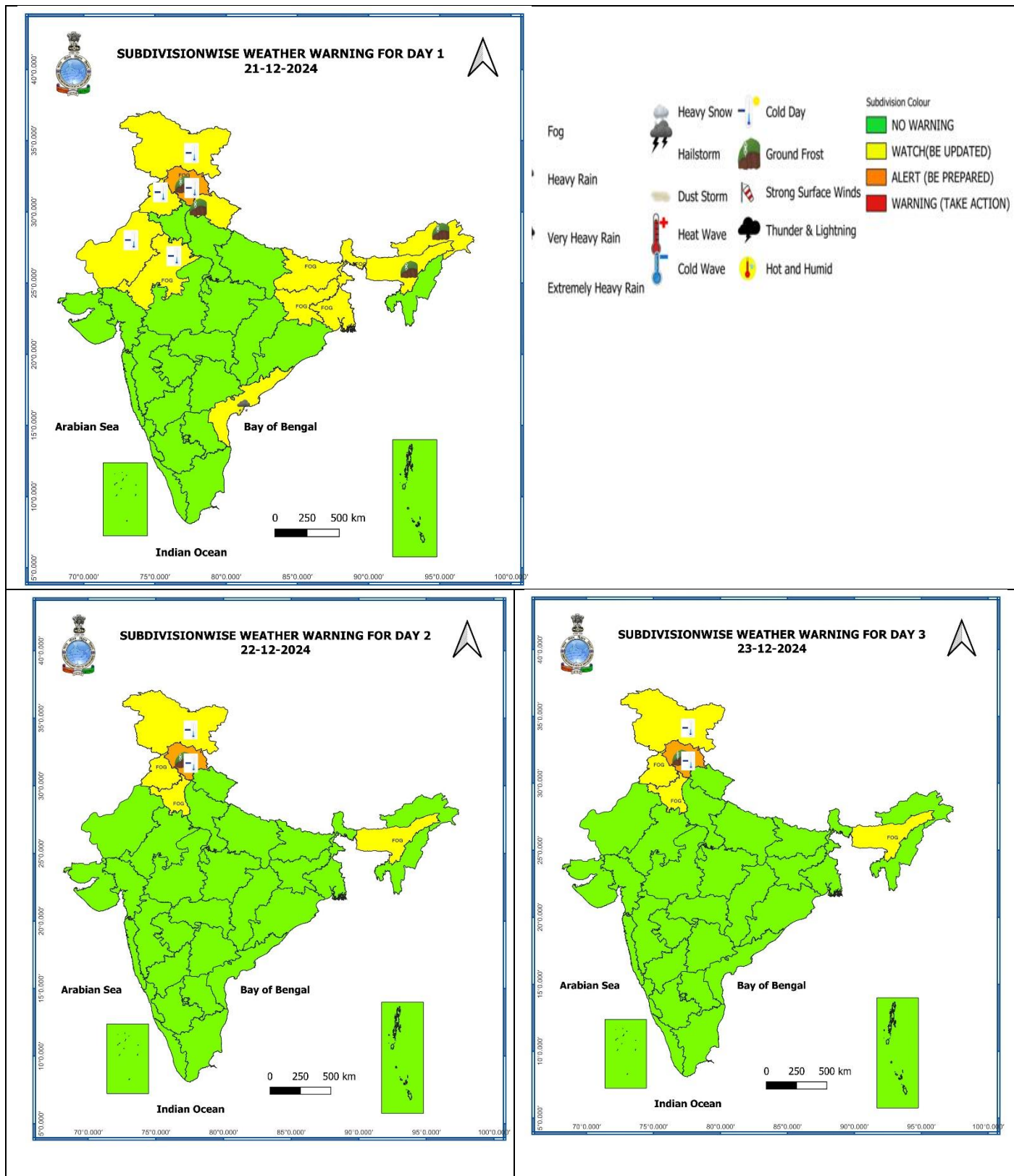
1KT=1.85 KMPH

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

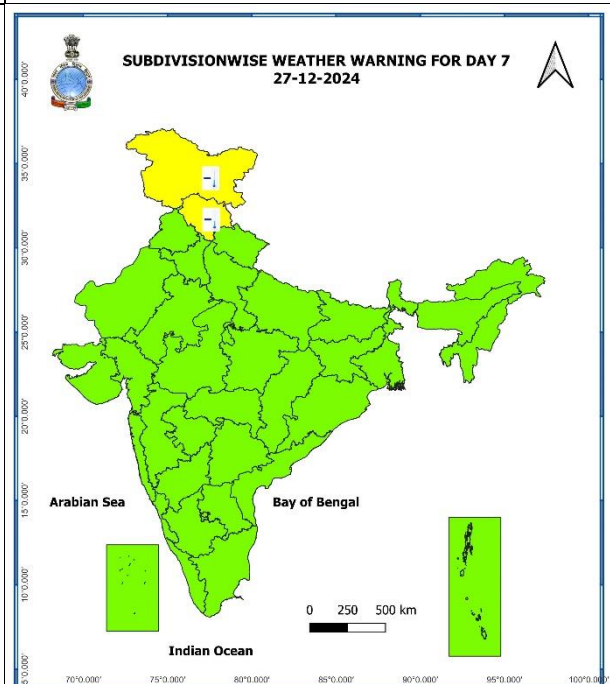
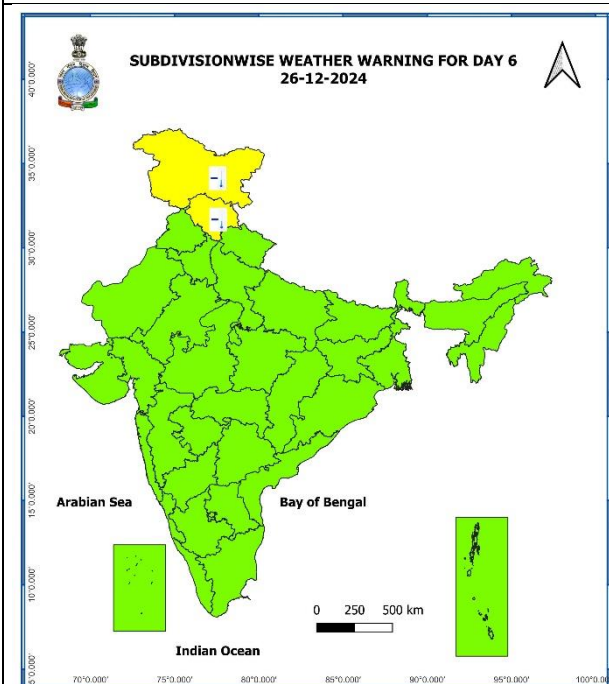
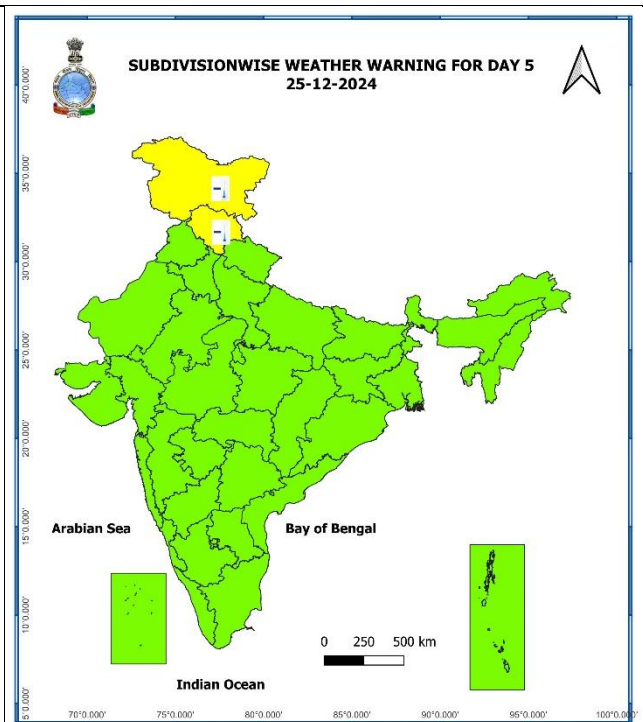
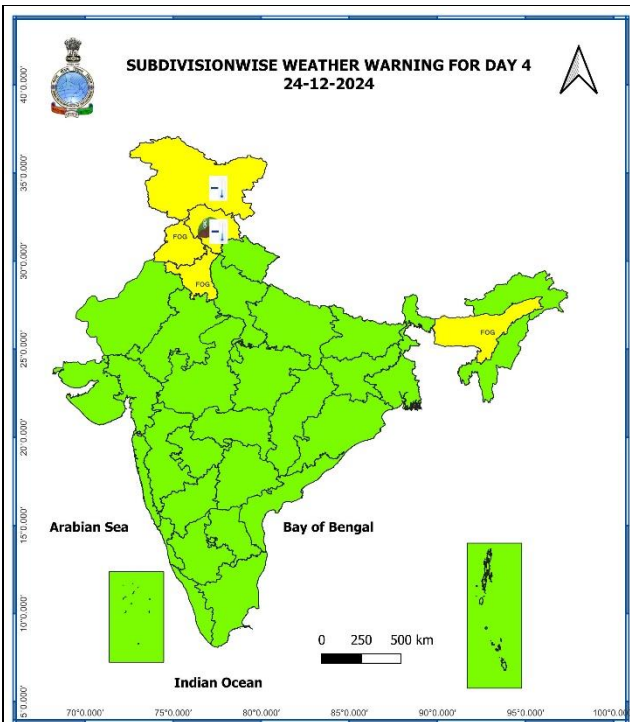
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Warning Graphics



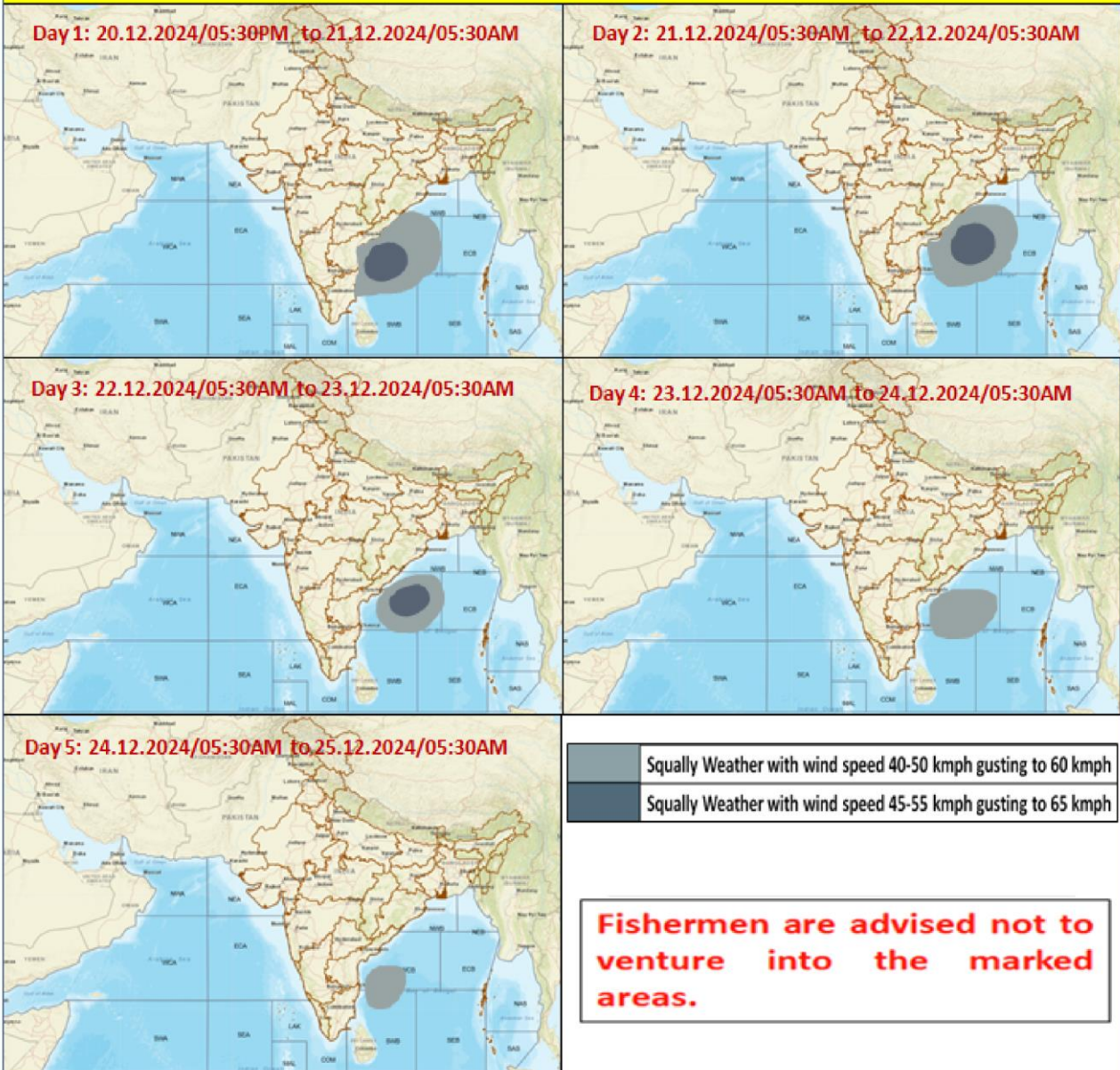
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- Action may be taken based on **ORANGE AND RED COLOUR** warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases

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Fishermen Warning Graphics



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