



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

NATIONAL BULLETIN NO. 04 (AS/01/2025)

TIME OF ISSUE: 2100 HOURS IST

DATED: 24.05.2025

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

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CHIEF SECRETARY, TAMIL NADU (FAX NO. 044-25672304)
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Sub: Depression over Madhya Maharashtra

The Depression over south Konkan coast moved nearly eastwards with a speed of 18 kmph during past 6 hours, crossed the south Konkan coast near Ratnagiri between 1130 hrs IST and 1230 hrs IST and lay centred at 1730 Hrs IST of today, the 24th May 2025 over Madhya Maharashtra near latitude 17.1° N & longitude 74.3° E, about 40 km northwest of Sangli (Maharashtra), 100 km east of Ratnagiri (Maharashtra) and 140 km east-southwest of Satara (Maharashtra).

It is very likely to continue to move nearly eastwards across south Madhya Maharashtra, Marathwada & North Interior Karnataka and weaken gradually into a well-marked low pressure area during next 12 hours.

Warnings:

(i) Rainfall Warning:

- ❖ Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is very likely over Konkan & Goa, Kerala & Mahe, Karnataka and Madhya Maharashtra during 24th - 28th May with Isolated extremely heavy rainfall over Konkan Goa during 24th-

25th May; Madhya Maharashtra on 25th May; coastal Karnataka during 24th-27th May; North Interior Karnataka on 25th May, South Interior Karnataka during 24th-27th May and Kerala & Mahe during 24th-26th May.

- ❖ Light to moderate rainfall at most places with isolated heavy rainfall is very likely over Marathwada, Vidarbha, Telangana and south Gujarat region during 24th – 26th May.

(ii) Wind Warning:

Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Eastcentral & South Arabian Sea and adjoining Northeast Arabian Sea, Lakshadweep & Comorin area and along & off Kerala, Karnataka, Konkan-Goa & adjoining Gujarat coasts during 24th – 25th May. Thereafter, the winds would gradually decrease becoming 40-50 kmph gusting to 60 kmph over the same region during 26th-27th May.

(iii) Sea Condition:

Sea condition is very likely to be Rough to very rough Eastcentral & South Arabian Sea and adjoining Northeast Arabian Sea, Lakshadweep & Comorin area and along & off Kerala, Karnataka, Konkan-Goa & adjoining Gujarat coasts during 24th to 27th May.

(iv) Warning:

Fishermen are advised not to venture into

- (A) Eastcentral & South Arabian Sea and adjoining Northeast Arabian Sea, Lakshadweep & Comorin area and along & off Kerala, Karnataka, Konkan-Goa & adjoining south Gujarat, Daman & Diu, Dadar & Nagar Haveli coasts till 27th May 2025.
- (B) Small ships/shipping activities are to be monitored and regulated during 24th to 27th May 2025.
- (C) Judicious regulation of tourism and recreational activities during 24th to 27th May 2025.

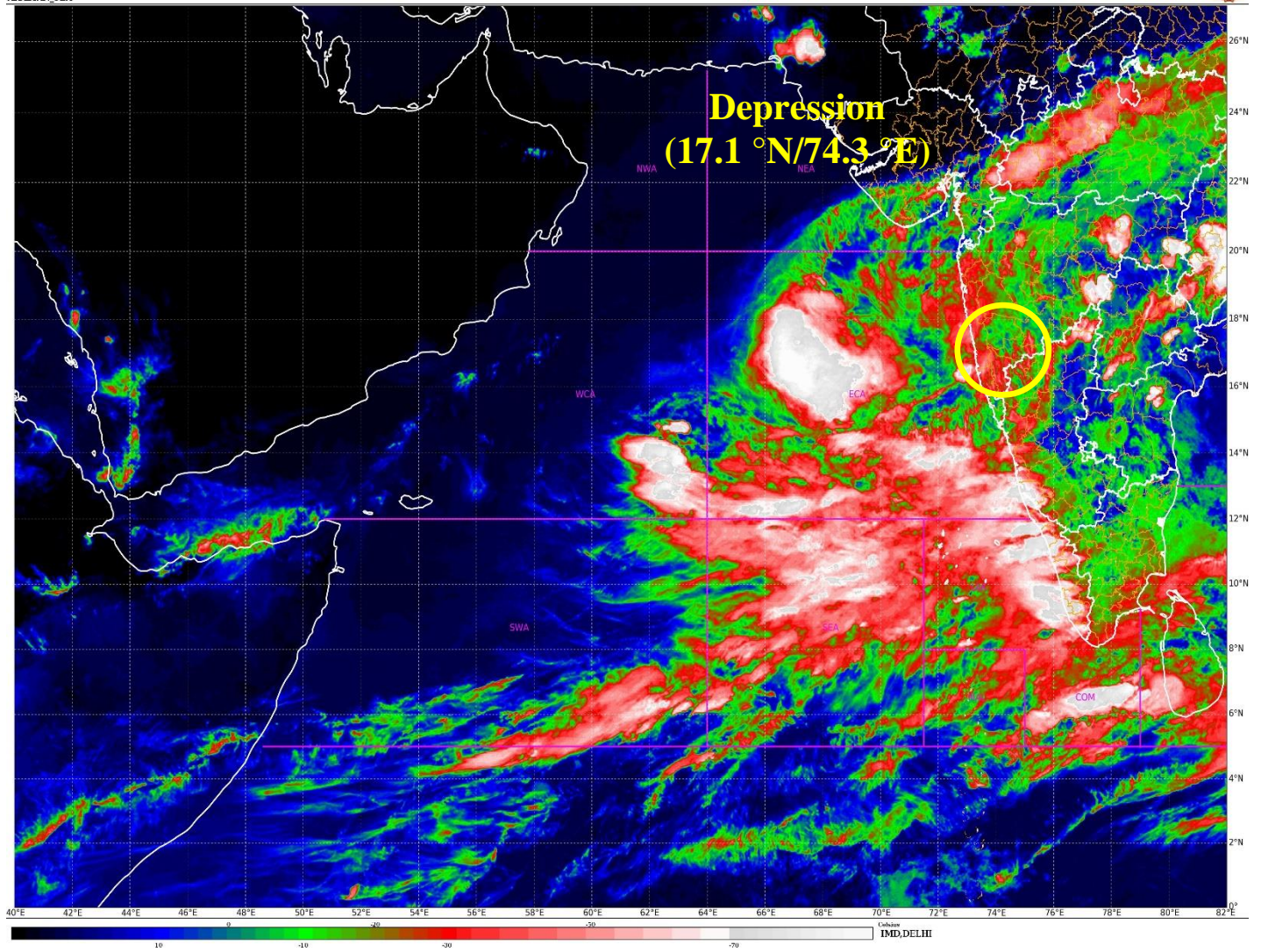
Next bulletin will be issued at 0230 hours IST of tomorrow, the 25th May, 2025.

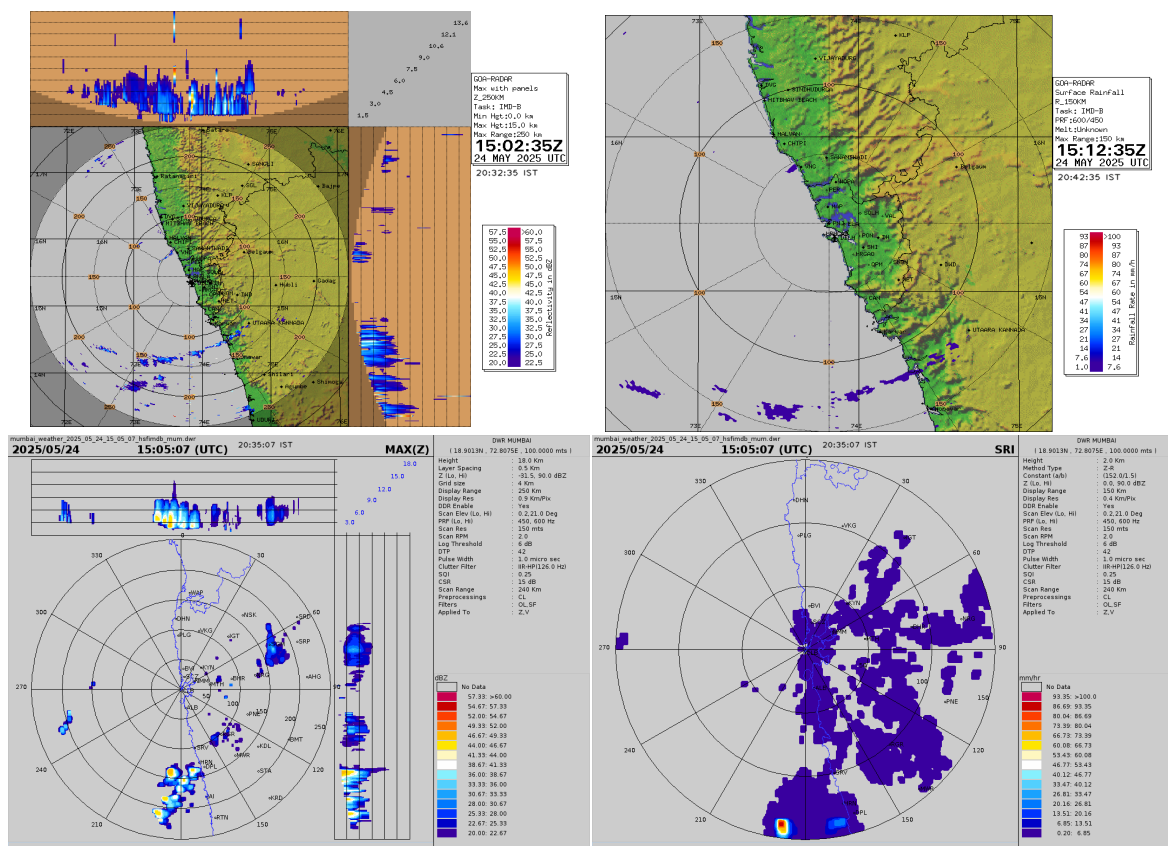
**Dr Ananda Kumar Das,
Scientist, RSMC & IMD, New Delhi**

Copy to: ACWC Mumbai/ACWC Kolkata/ACWC Chennai/CWC Ahmedabad/CWC Bhubaneswar/CWC Vishakhapatnam/Meteorological Centre Port Blair/CWC Thiruvananthapuram/ MC Goa/MC Bengaluru

SAT : INSAT-3DR IMG
IMG_TIR1_TEMP 10.8 um
ARABIAN SEA

24-05-2025/(1415 to 1442) GMT
24-05-2025/(1945 to 2012) IST

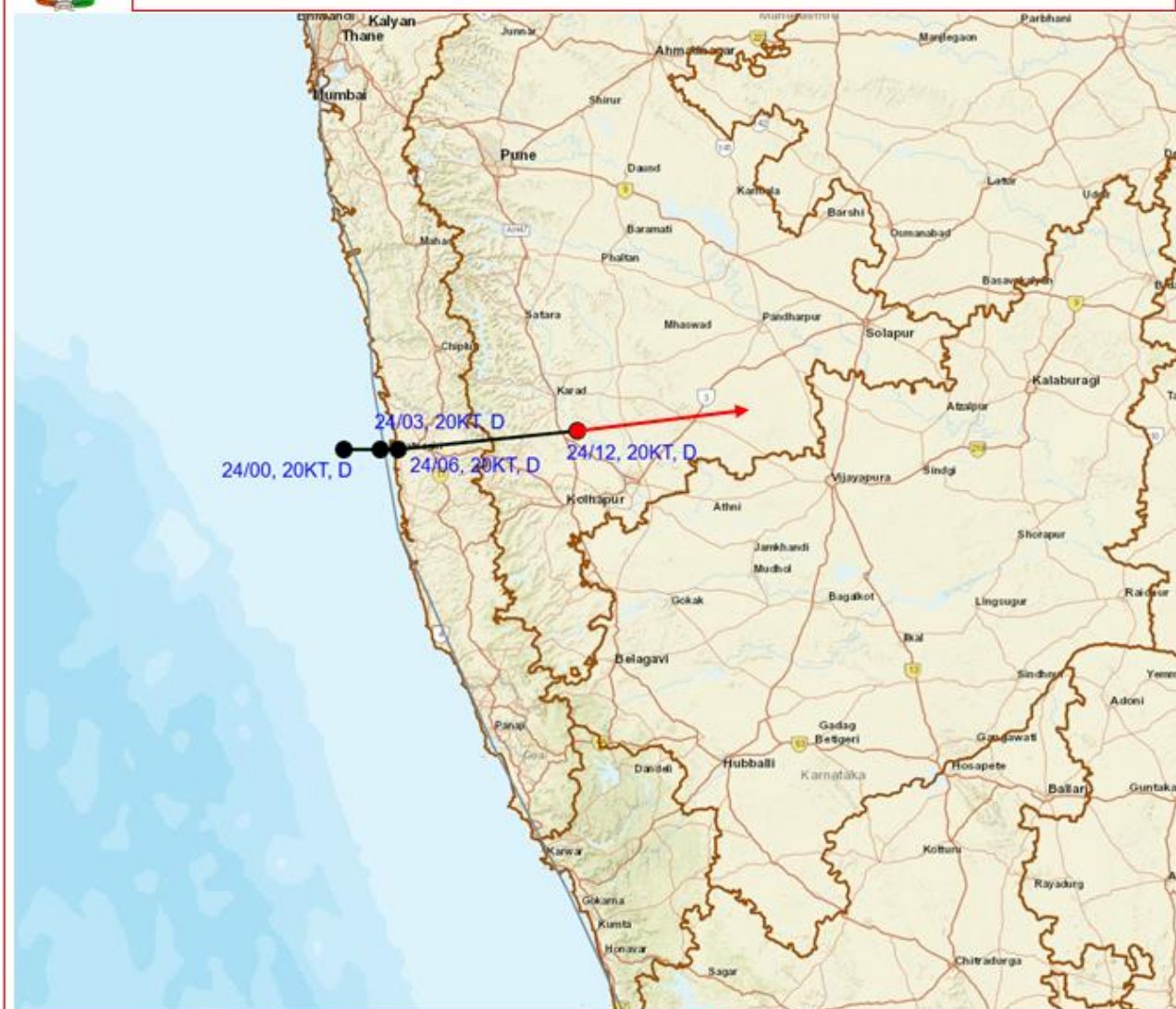




Composite radar images from IMD's Doppler Weather Radars (DWRs) at Goa and Mumbai depict convective activity and rainfall intensity over the region on 24 May 2025: The panels include Maximum Reflectivity plots, and accumulated rainfall estimates.



**OBSERVED AND FORECAST TRACK OF DEPRESSION OVER MADHYA
MAHARASHTRA BASED ON 1200 UTC (1730 IST) OF 24TH MAY, 2025**



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



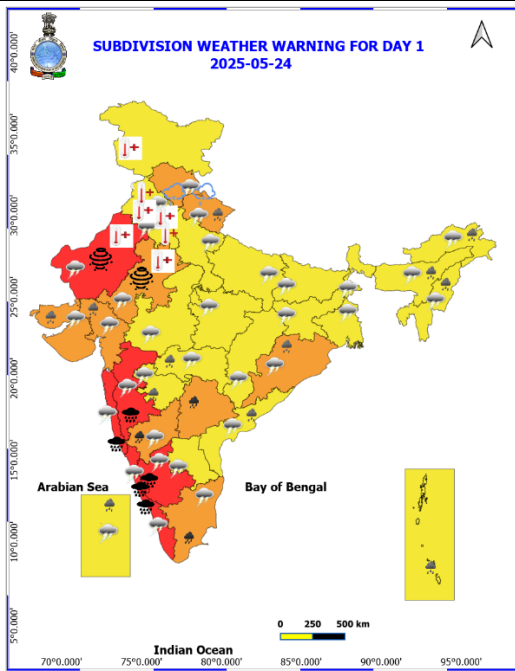
OBSERVED TRACK



FORECAST TRACK



CONE OF UNCERTAINTY



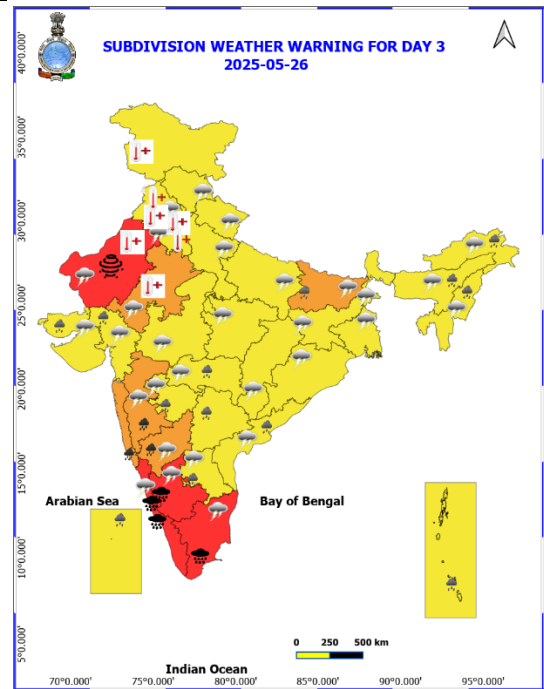
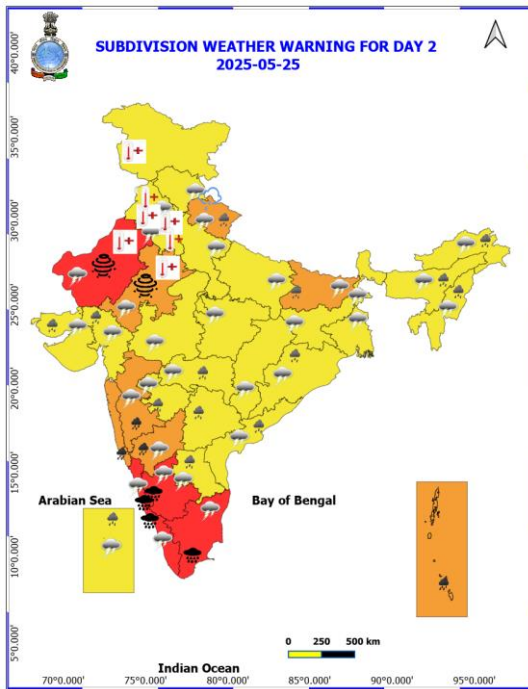
- Fog
- Heavy Rain
- Very Heavy Rain
- Extremely Heavy Rain
- Thunder & Lightning
- Hailstorm
- Dust Raising Winds
- Heavy Snow
- Dust Storm
- Heat Wave
- Warm Night
- Hot Day
- Hot & Humid
- Cold Wave
- Cold Day
- Ground Frost
- Strong Surface Winds

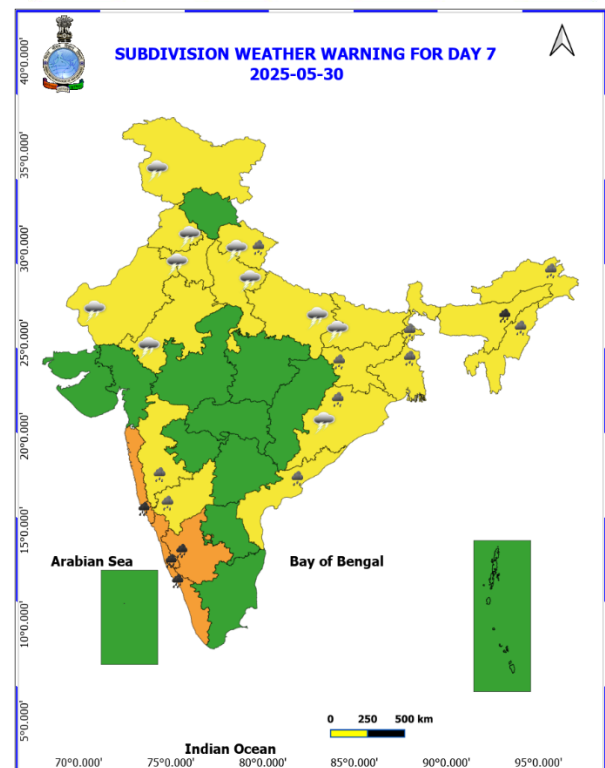
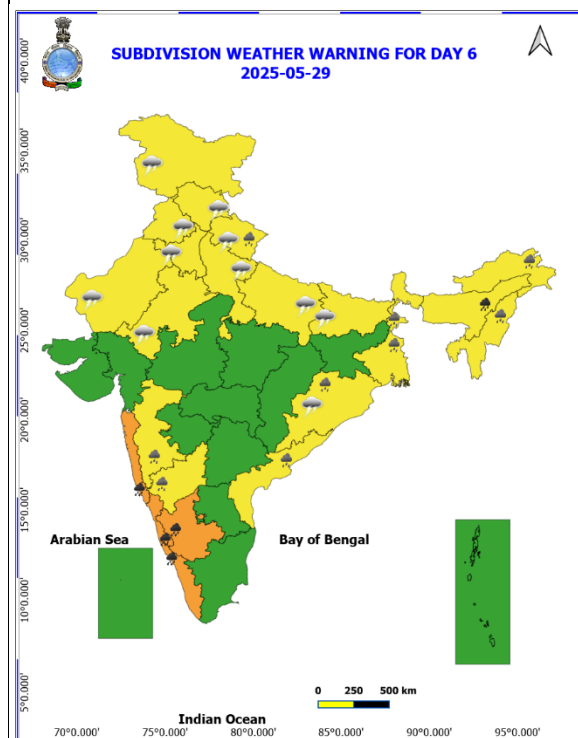
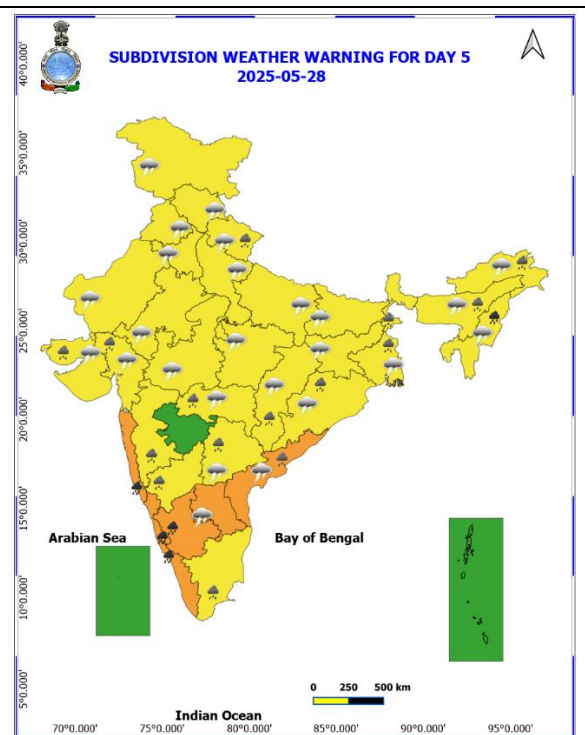
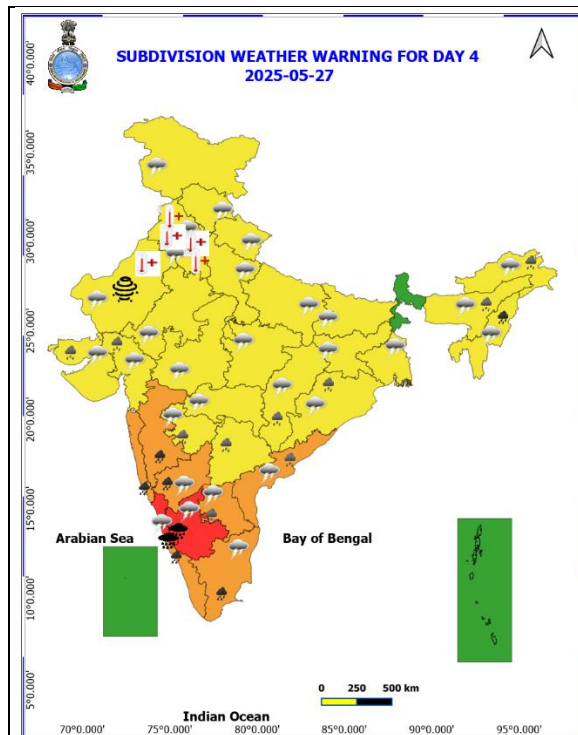
COLOUR CODED WARNING

No Warning (No Action)
Watch (Be Aware)
Alert (Be Prepared To Take Action)
Warning (Take Action)

Probabilistic Forecast

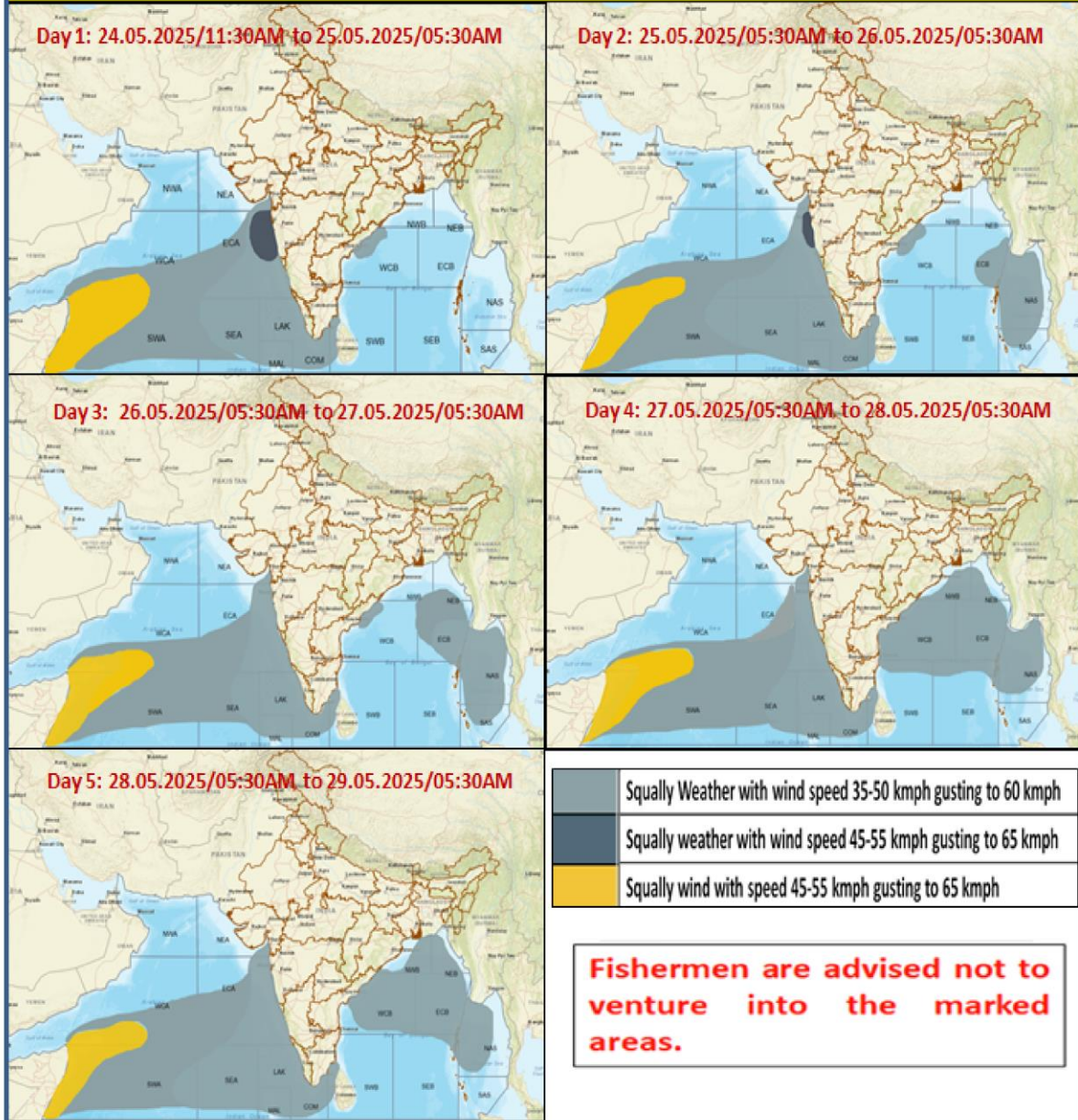
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75





- 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.

Fishermen Warning Graphics

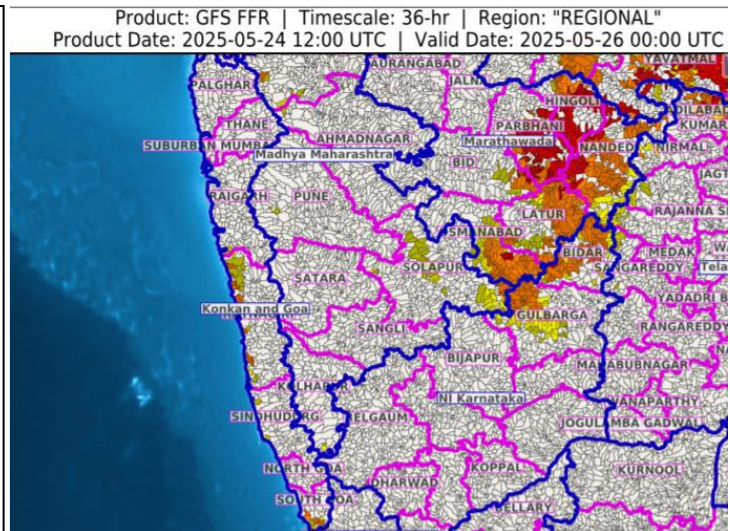


24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 26-05-2025 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Konkan & Goa - South Goa, Ratnagiri and Sindhudurg districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Coastal Karnataka - Dakshin Kannada and Udupi districts.

Kerala & Mahe - Ernakulam, Idukki, Kannur, Kasargod, Kollam, Kottayam, Kozikod, Mahe, Malappuram, Palakkad, Pattanamittia, Thiruvananthpuram and Wayanad districts.

South Interior Karnataka - Chamarajanagar, Kodagu, Mysore and Ramnagar districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24

