



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

NATIONAL BULLETIN NO. 03 (AS/01/2025)

TIME OF ISSUE: 1430 HOURS IST

DATED: 24.05.2025

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)
PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MOES (FAX NO. 24629777)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
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DIRECTOR GENERAL, AIR (23421105, 23421219)
PIB MOES (FAX NO. 23389042)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)
DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, LAKSHADWEEP (FAX NO. 048-96268124)
CHIEF SECRETARY, DAMAN & DIU (FAX NO. 0260-2230775)
CHIEF SECRETARY, MAHARASHTRA (FAX NO. 022- 22028594)
CHIEF SECRETARY, GUJARAT (FAX NO. 079-23250305)
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CHIEF SECRETARY, GOA (FAX NO. 0832-2415201)
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CHIEF SECRETARY, KARNATAKA (FAX NO. 0802-2258913)
CHIEF SECRETARY, TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, PUDUCHERRY (FAX NO. 0413-2337575)**

Sub: Depression over south Konkan coast

The Depression over Eastcentral Arabian Sea and adjoining south Konkan coast moved slowly eastwards with a speed of 5 kmph during past 6 hours and lay centred at 1130 Hrs IST of today, the 24th May 2025 close to south Konkan coast near latitude 17.00 N & longitude 73.30 E, close to Ratnagiri. Latest observations indicate that the depression is crossing the south Konkan coast near Ratnagiri.

After the landfall, it is likely to continue to move eastwards across Madhya Maharashtra and weaken gradually into a well-marked low pressure area during next 24 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 south Gujarat region during 24th – 27th 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:

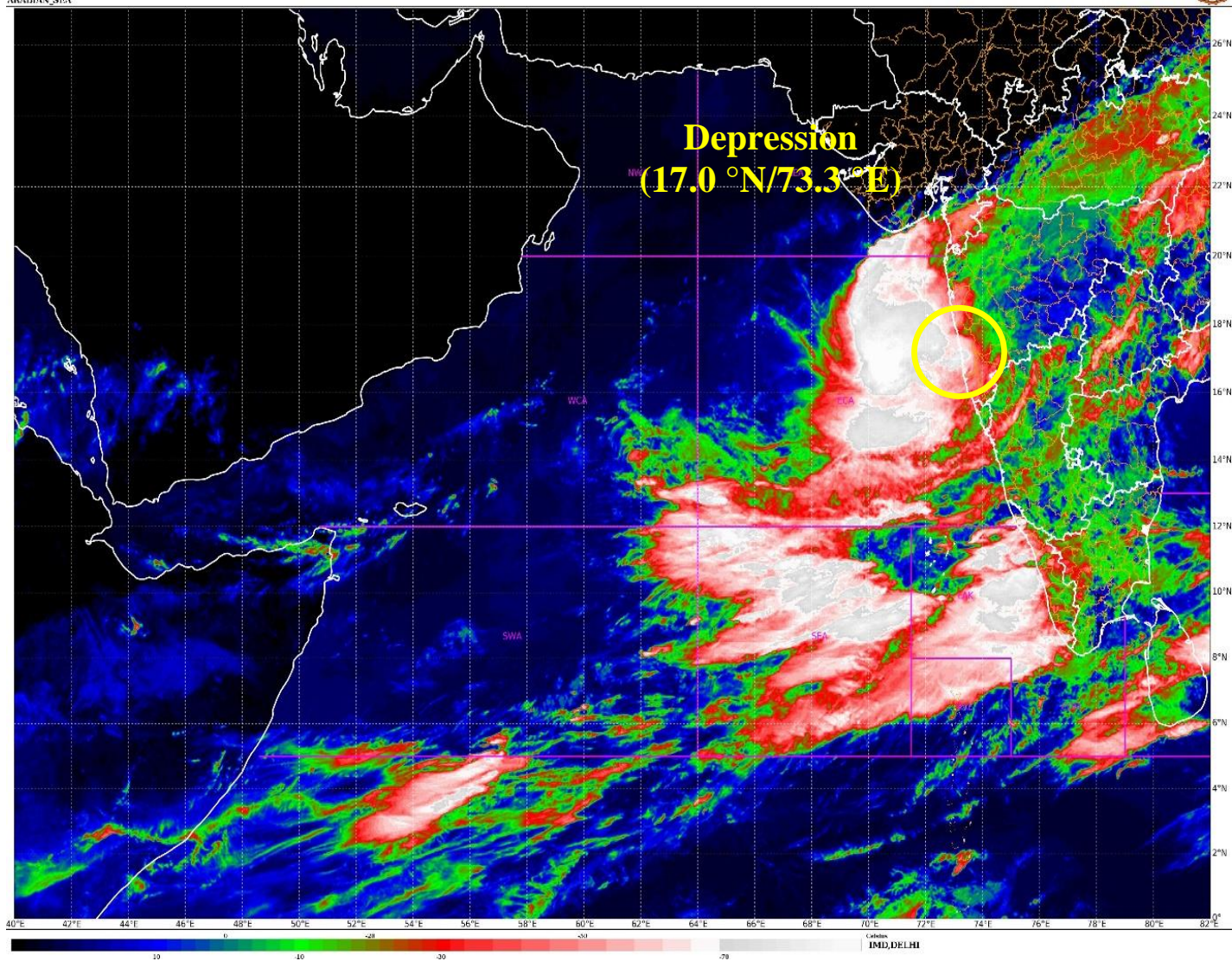
Fishermen are advised not to venture into

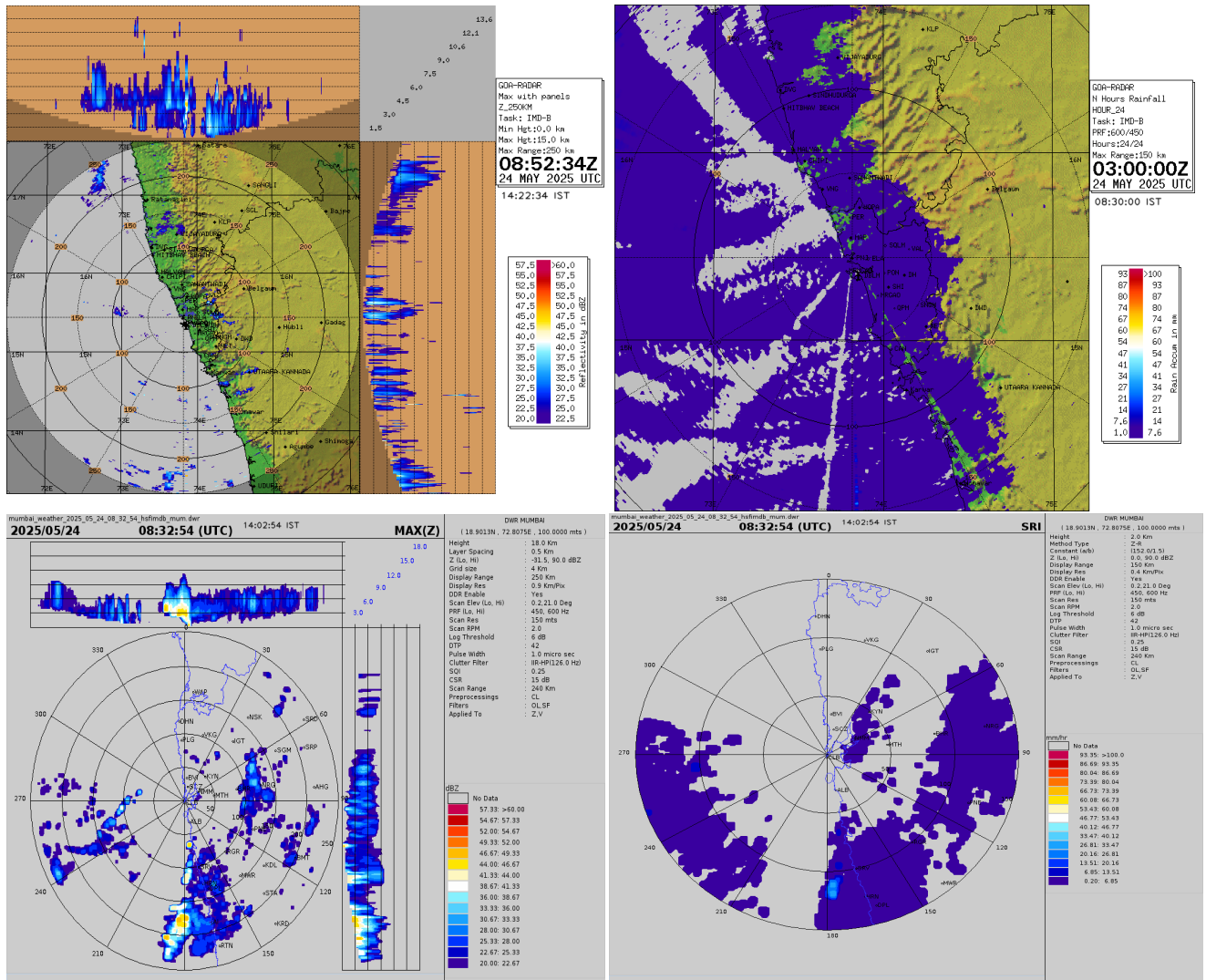
- (A) Eastcentral & South Arabian Sea and adjoining Northeast Arabian Sea, Lakshadweep & Comorin area and along & off Kerala, Karnataka, Konkan-Goa & adjoining south Gujarat, Daman & Diu, Dadar & Nagar Haveli coasts till 27th May 2025.
- (B) Small ships/shipping activities are to be monitored and regulated 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 2030 hours IST of today, the 24th 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

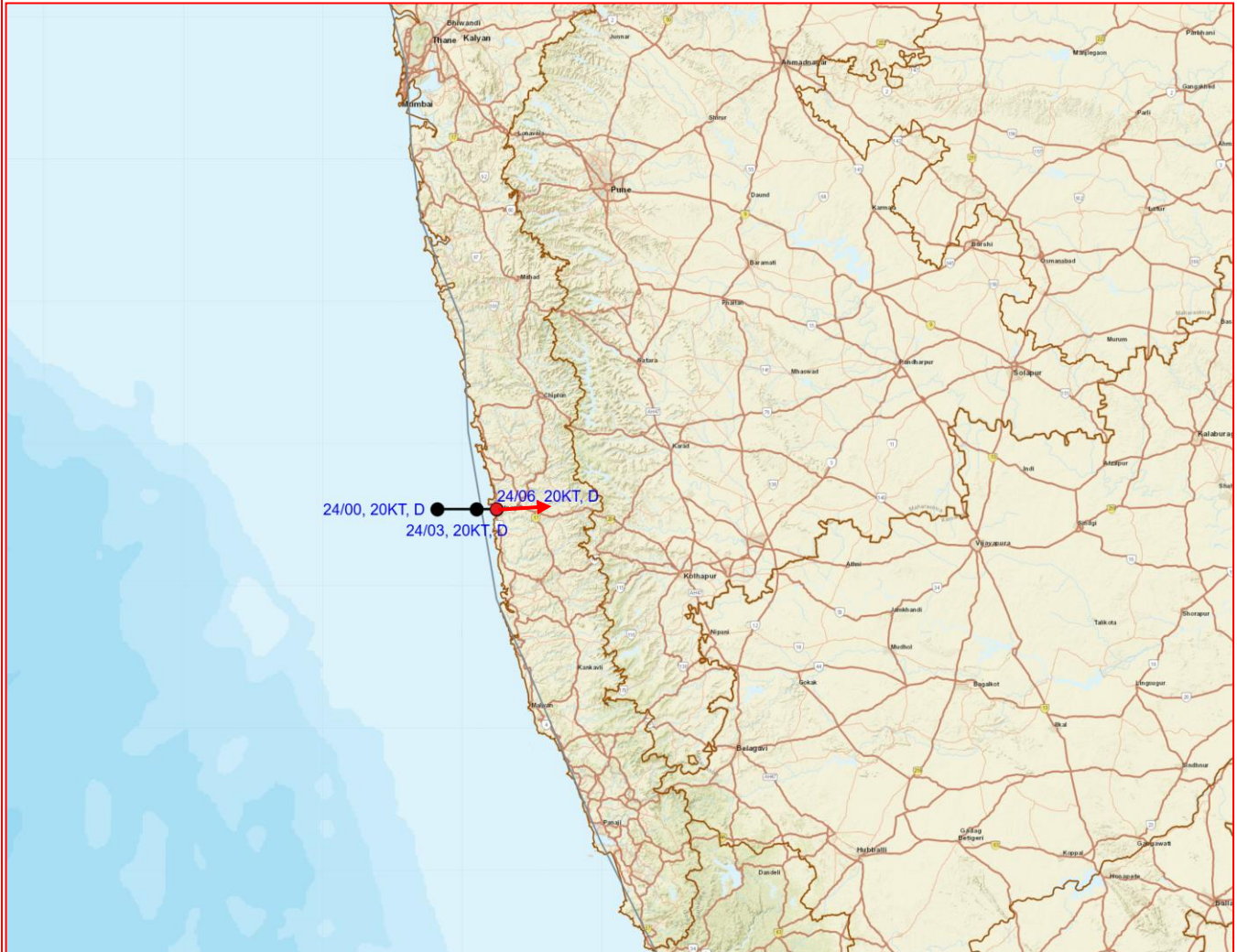




Composite radar images from IMD's Doppler Weather Radar (DWR) at Mumbai depict convective activity and rainfall intensity over the Konkan coast and adjoining Western Ghats on 22–24 May 2025. The panels include vertical Maximum Reflectivity plots, and accumulated rainfall estimates. Notably, strong reflectivity cores and vertical cloud development suggest deep convection, potentially linked to pre-monsoon thunderstorm activity. Observations show elevated rainfall rates and organized convective bands indicating significant atmospheric instability over the region.



OBSERVED AND FORECAST TRACK OF DEPRESSION OVER EASTCENTRAL ARABIAN SEA AND ADJOINING SOUTH KONKAN COAST BASED ON 0600 UTC (1130 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**

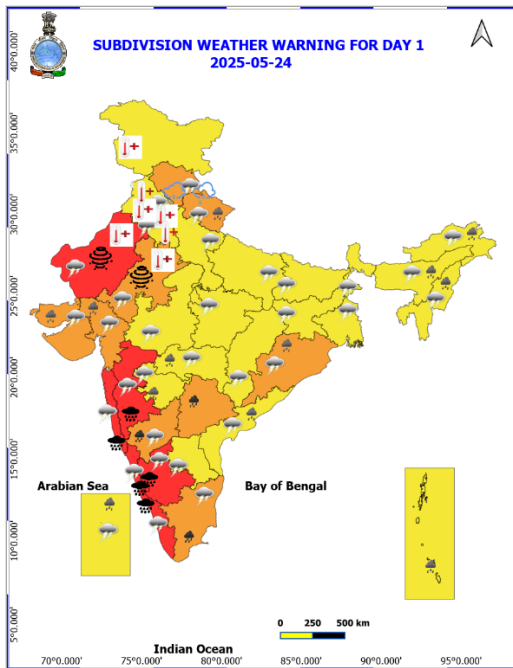
 **34-47 KT**

 **≥ 48 KT**

 **OBSERVED TRACK**

 **FORECAST TRACK**

 **CONE OF UNCERTAINTY**



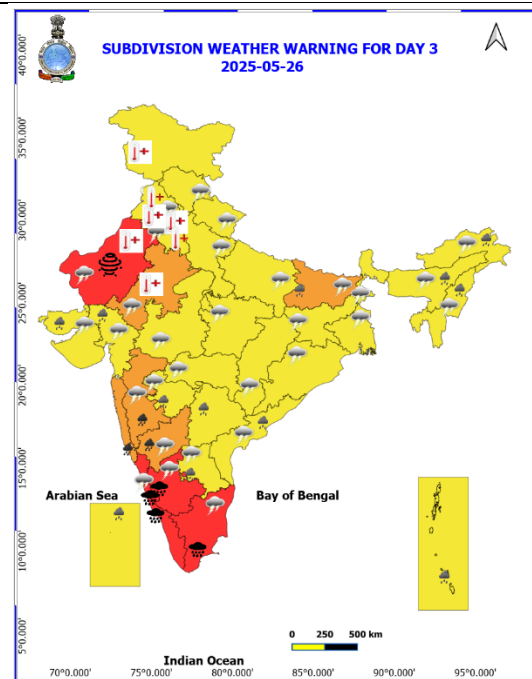
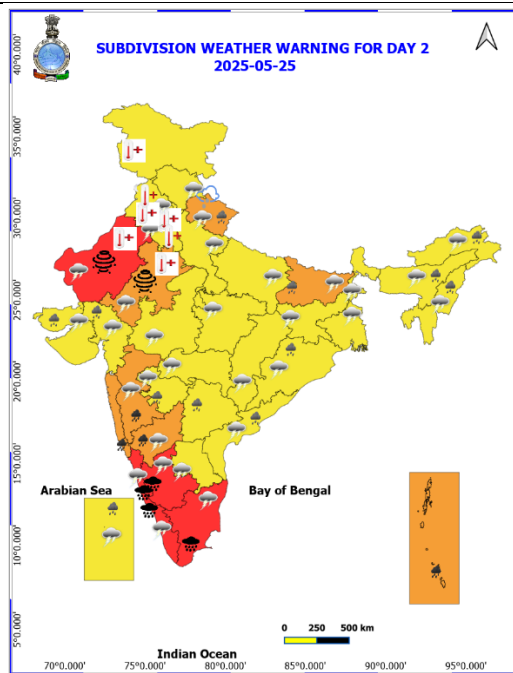
- Fog
- Heavy Rain
- Very Heavy Rain
- Extremely Heavy Rain
- Thunder & Lightning
- Hailstorm
- Dust Raising Winds
- Heavy Snow
- Dust Storm
- Heat Wave
- Warm Night
- Hot Day
- Hot & Humid
- Cold Wave
- Cold Day
- Ground Frost
- Strong Surface Winds

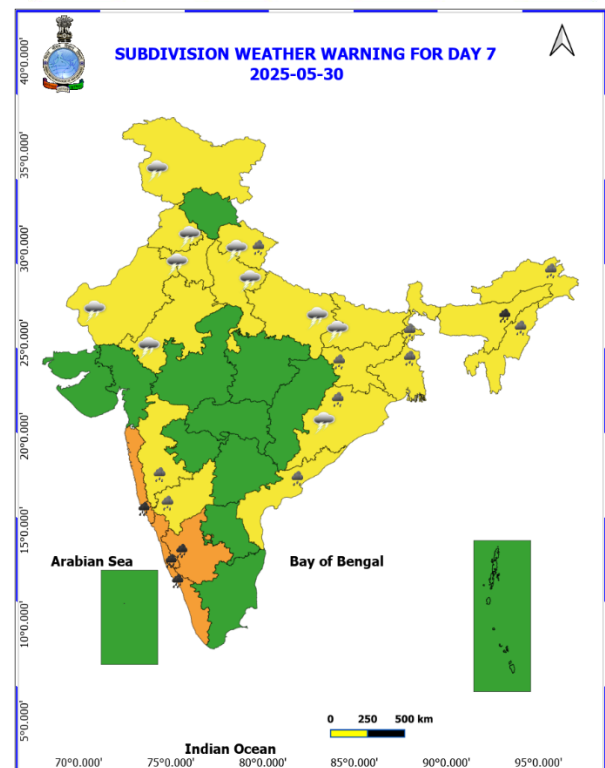
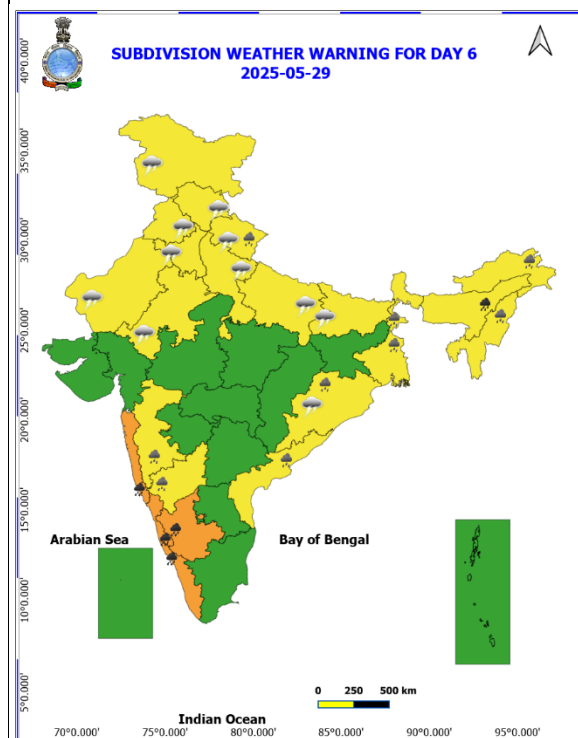
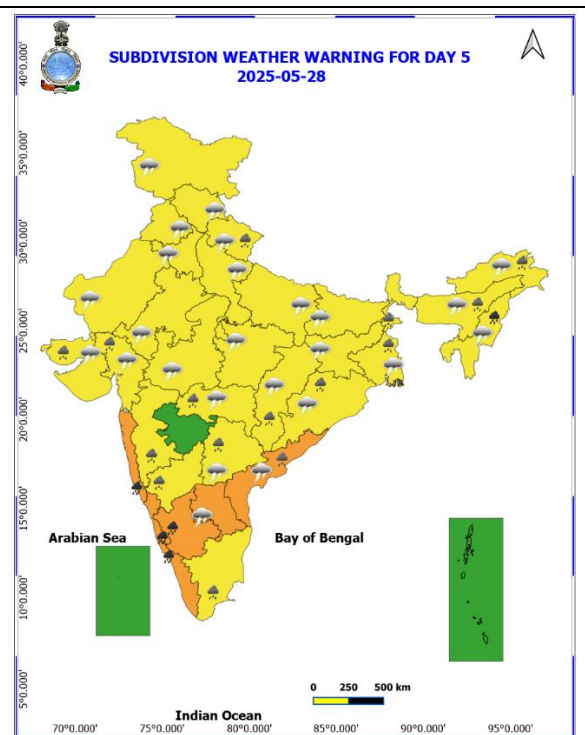
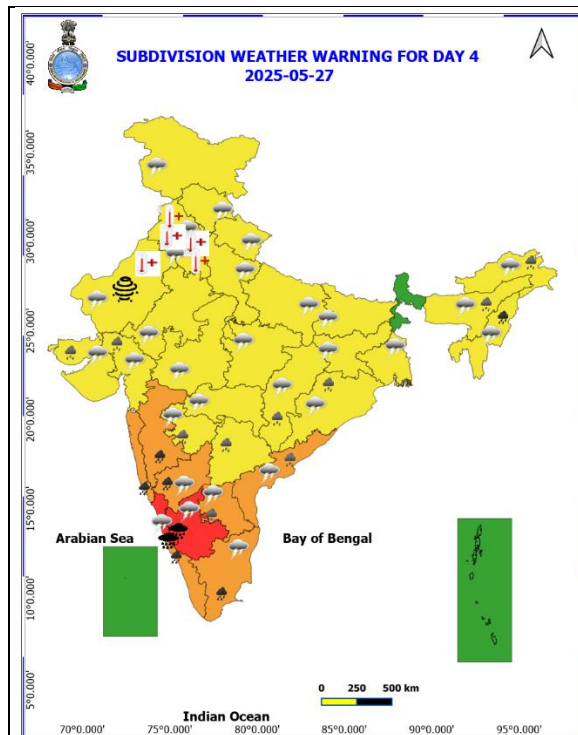
COLOUR CODED WARNING

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

Probabilistic Forecast

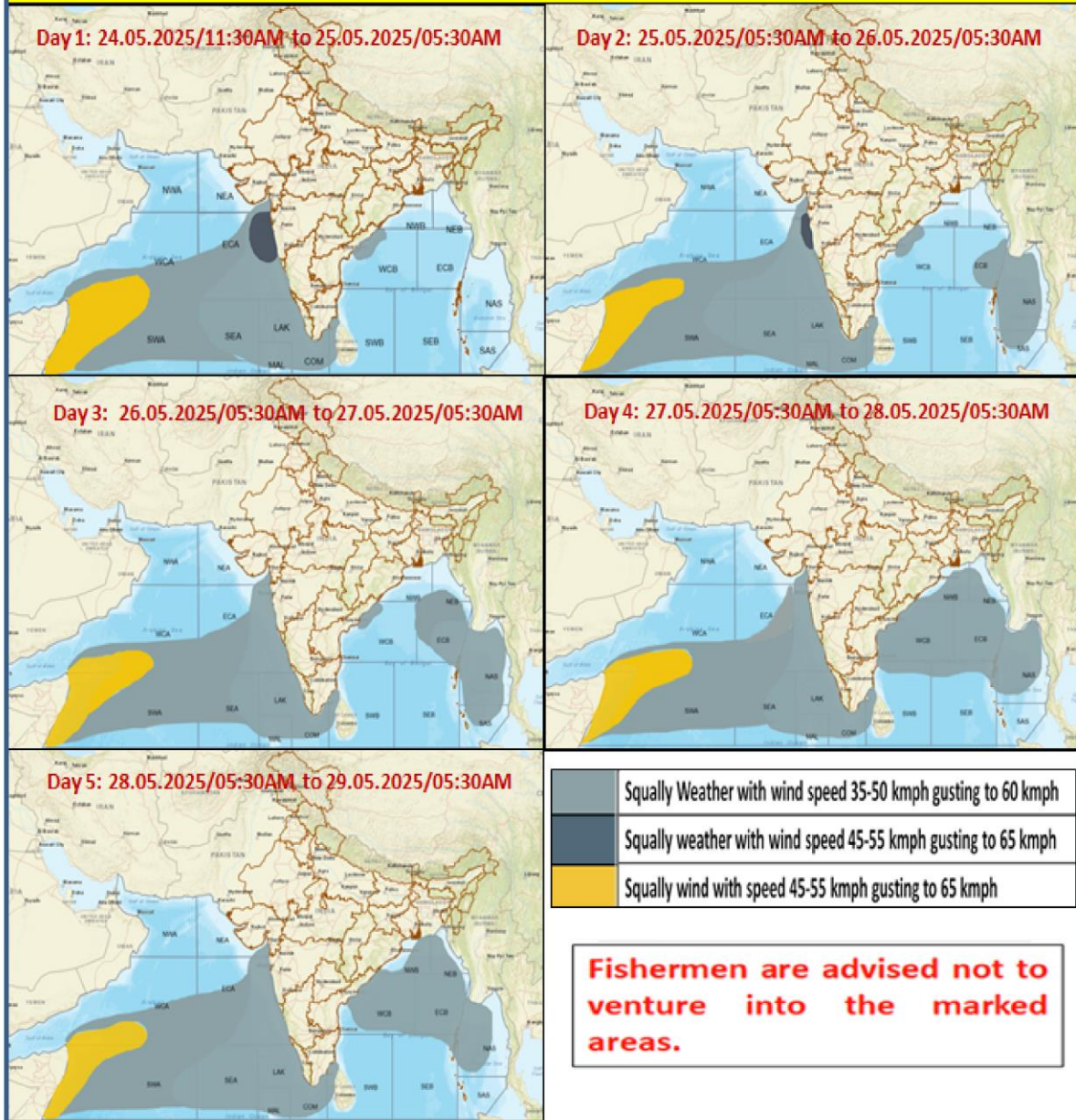
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75





- 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 1130 IST of 25-05-2025:

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours. **Coastal Karnataka** - Dakshin Kannada, Udupi and Uttar Kannada districts. **Kerala & Mahe** - Alappuzha, Ernakulam, Idukki, Kannur, Kasargod, Kottayam, Kozikod, Malappuram, Palakkad, Pattanamittia, Trishur and Wayanad districts. **Konkan & Goa** - North Goa, South Goa 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. Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.

