



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

NATIONAL BULLETIN NO. 02 (AS/01/2025)

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FROM: INDIA METEOROLOGICAL DEPARTMENT

(FAX NO. 24643965/24699216/24623220)

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Sub: Depression over Eastcentral Arabian Sea and adjoining south Konkan coast

The Depression over Eastcentral Arabian Sea and adjoining south Konkan coast moved slowly eastward with a speed of 6 kmph during past 3 hours and lay centred at 0830 Hrs IST of today, the 24th May 2025 over the same region close to south Konkan coast near latitude 17.2⁰ N & longitude 73.2⁰ E, about 30 km north-northwest of Ratnagiri and 70 km south of Dapoli.

It is likely to continue to move nearly eastwards and cross south Konkan coast between Ratnagiri and Dapoli as a depression by noon of today, the 24th May 2025.

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.

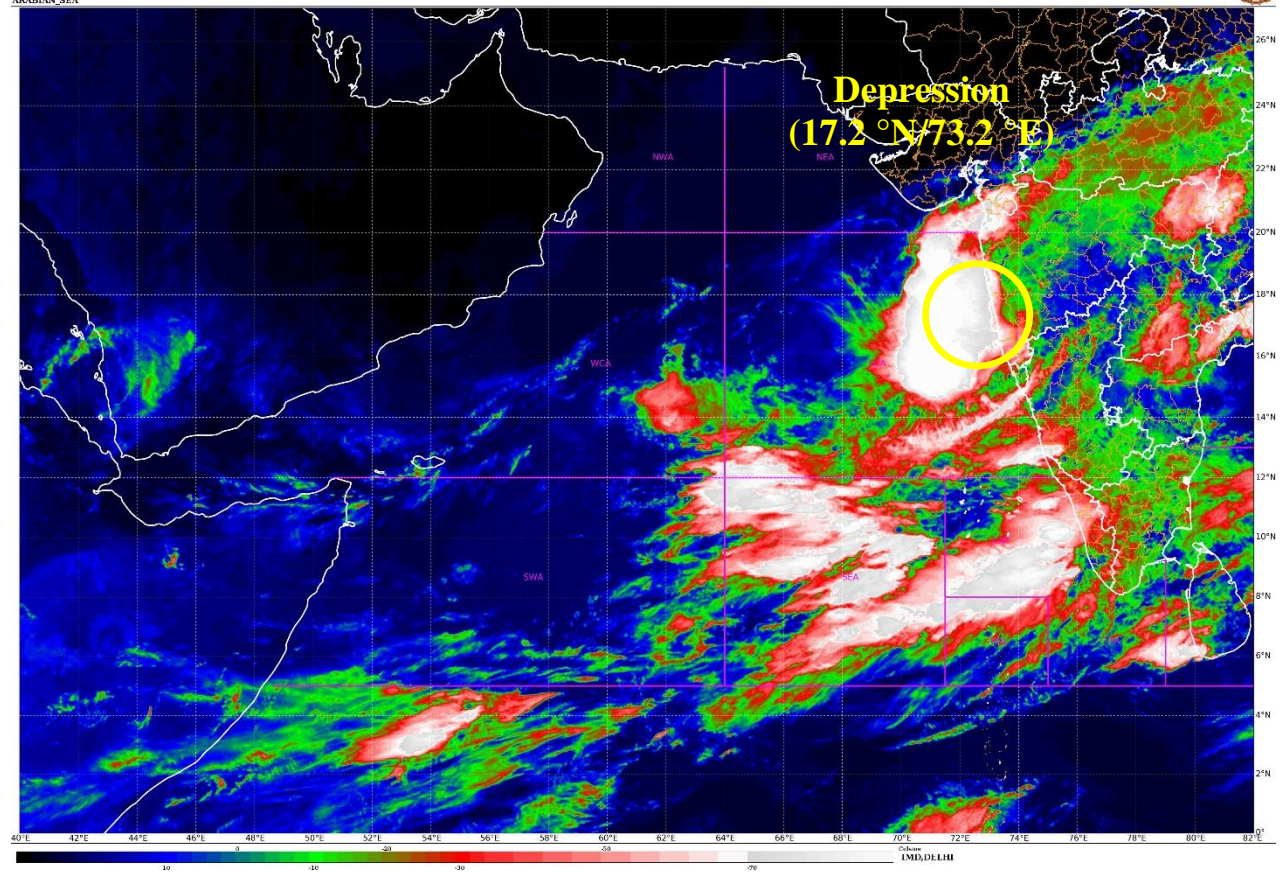
Next bulletin will be issued at 1430 hours IST of today, the 24th May, 2025.

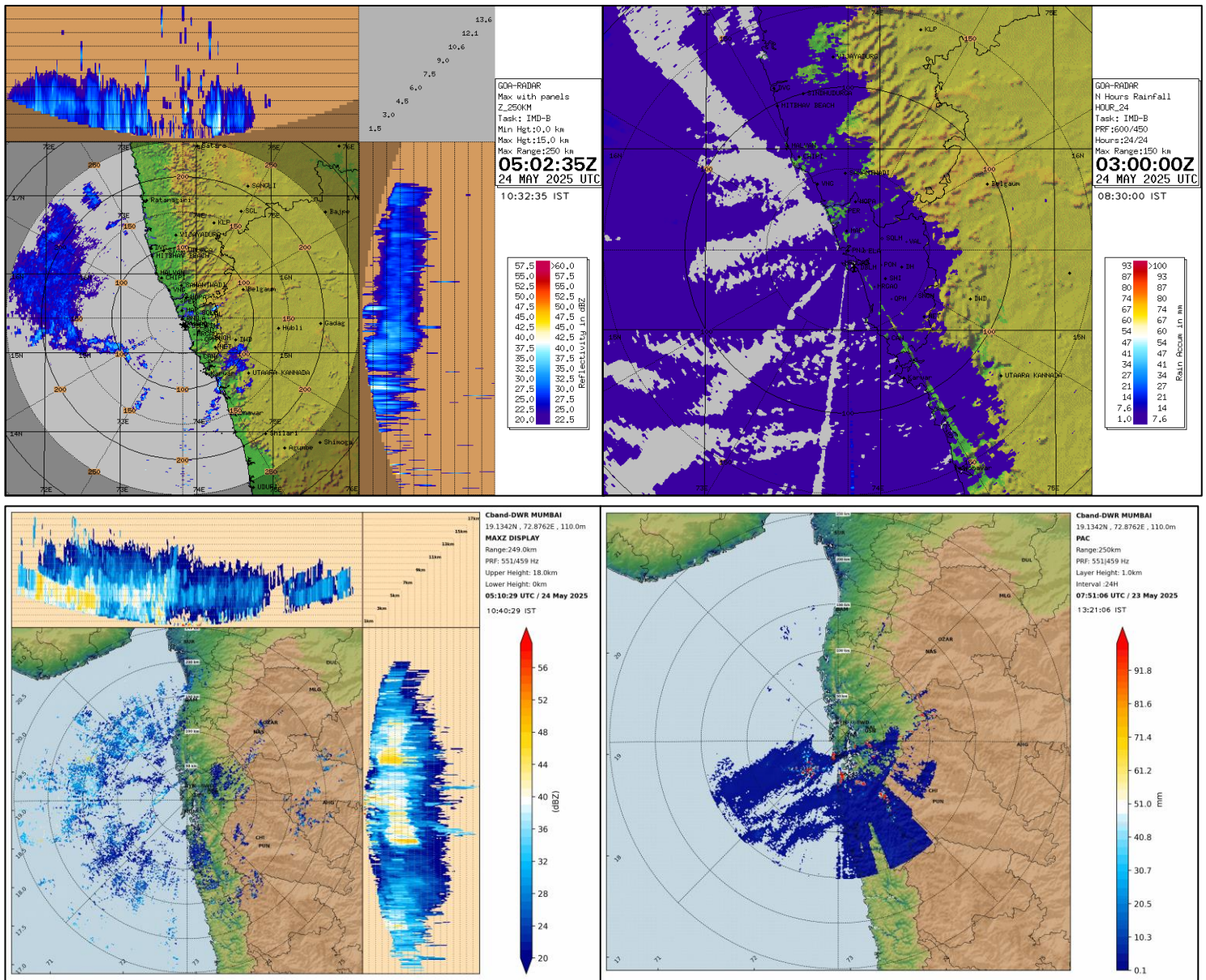
**Dr D R Pattanaik,
Scientist, RSMC & IMD, New Delhi**

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 : 3 HR, 1330° 10.8 um
ARABIAN SEA

24-05-2025(0015 to 0112) GMT
24-05-2025(0915 to 0942) IST





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 cross-sections, CAPPI (Constant Altitude Plan Position Indicator) 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.

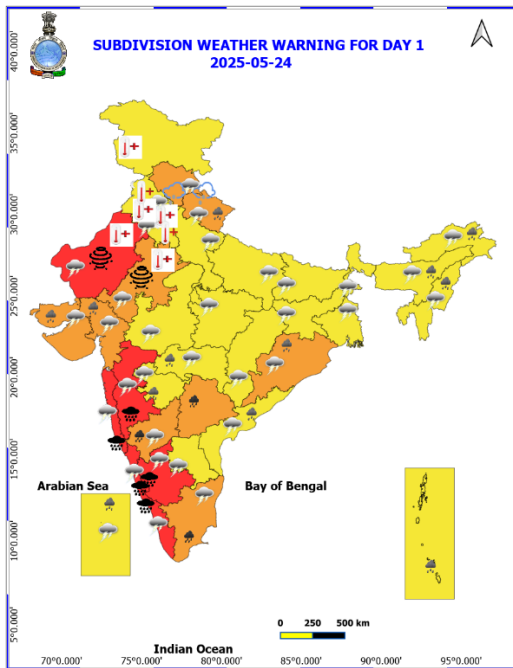


OBSERVED AND FORECAST TRACK OF DEPRESSION OVER EASTCENTRAL ARABIAN SEA AND ADJOINING SOUTH KONKAN COAST BASED ON 0300 UTC (0830 IST) OF 24th MAY, 2025



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 (\geq 120 KT)

● LESS THAN 34 KT
⌀ 34-47 KT
⌀ \geq 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)

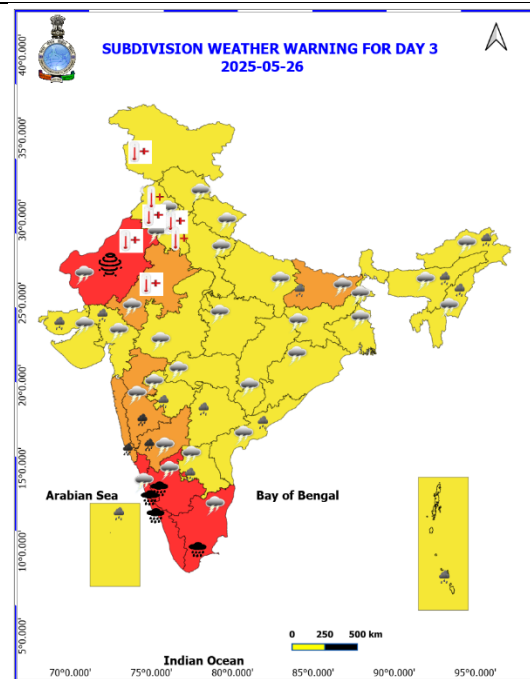
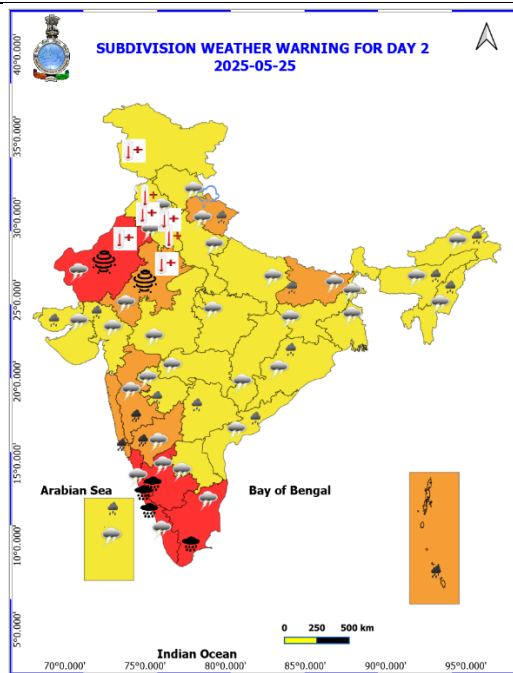
Watch (Be Aware)

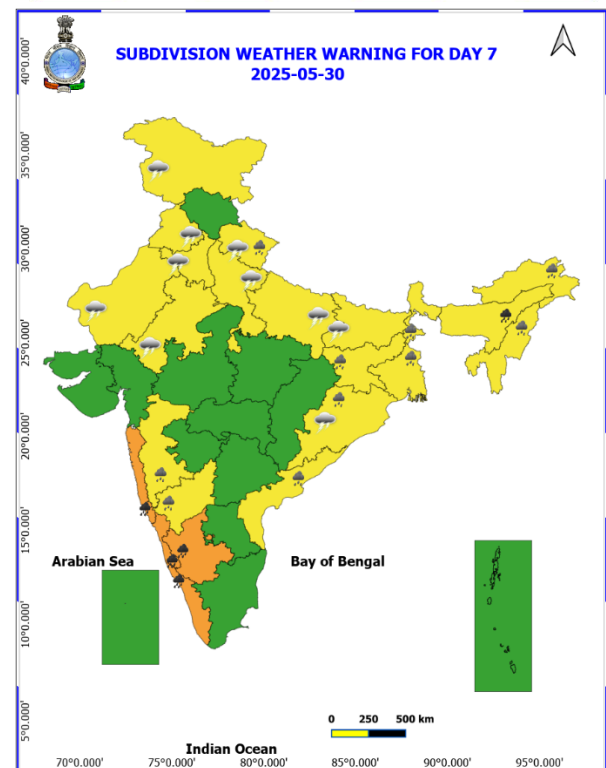
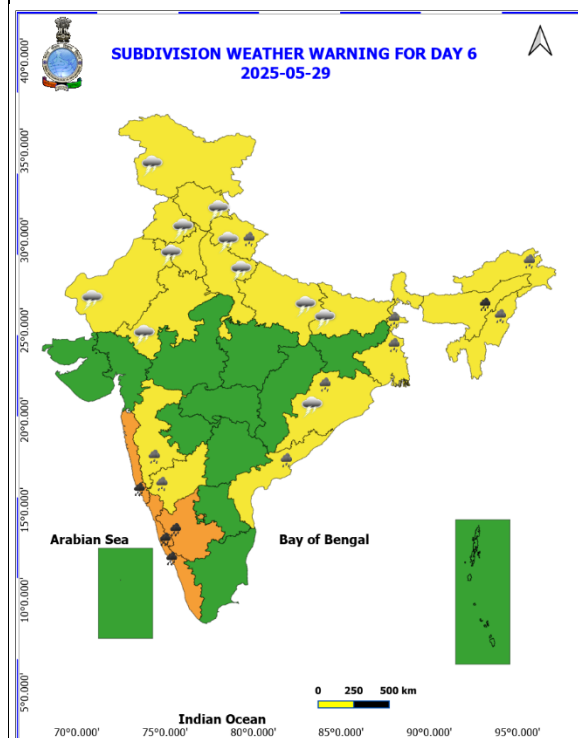
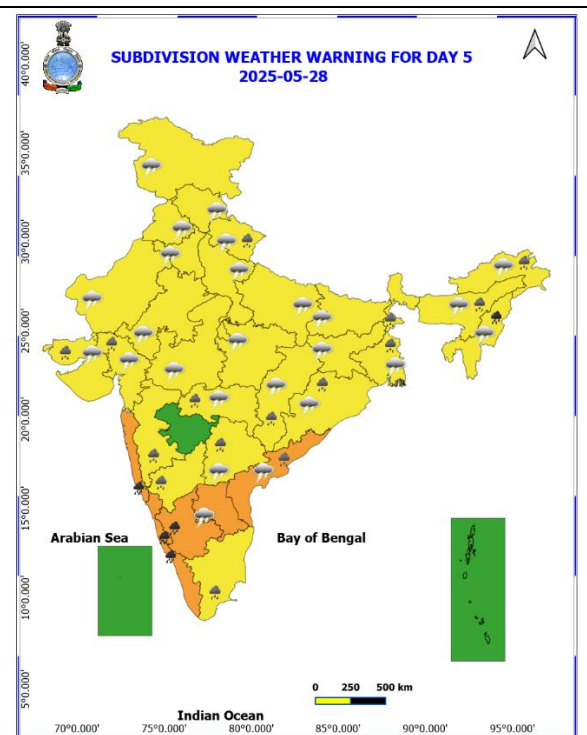
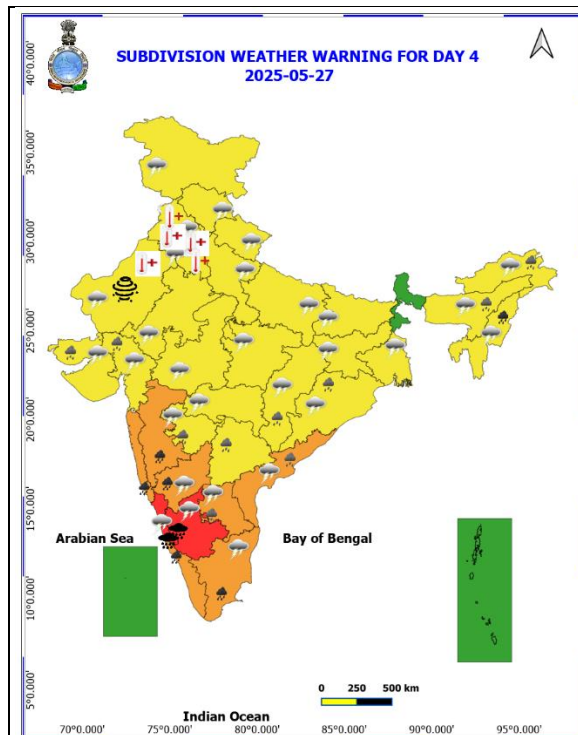
Alert (Be Prepared To Take Action)

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

Day 1: 24.05.2025/11:30AM to 25.05.2025/05:30AM



Day 2: 25.05.2025/05:30AM to 26.05.2025/05:30AM



Day 3: 26.05.2025/05:30AM to 27.05.2025/05:30AM



Day 4: 27.05.2025/05:30AM to 28.05.2025/05:30AM



Day 5: 28.05.2025/05:30AM to 29.05.2025/05:30AM



Squally Weather with wind speed 35-50 kmph gusting to 60 kmph

Squally weather with wind speed 45-55 kmph gusting to 65 kmph

Squally wind with speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.

24 hours Outlook for the Flash Flood Risk

(FFR) till 0530 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 - Udupi and Uttar Kannada districts.

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

Madhya Maharashtra - Kolhapur district. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of

