



Government of India
Ministry of Earth Sciences
India Meteorological Department



Date: 22nd March, 2025
Time of Issue: 1330 hours IST

Special Message (No.- 5)

FROM: INDIA METEOROLOGICAL DEPARTMENT
TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS CONTROL ROOM NDMA
SECRETARY, MOES
DIRECTOR GENERAL, DOORDARSHAN DIRECTOR GENERAL, AIR PIB MOES
CHIEF SECRETARY, GOVT. OF WEST BENGAL & SIKKIM
CHIEF SECRETARY, GOVT. OF BIHAR
CHIEF SECRETARY, GOVT. OF JHARKHAND
CHIEF SECRETARY, GOVT. OF ODISHA
CHIEF SECRETARY, GOVT. OF CHHATTISGARH
CHIEF SECRETARY, GOVT. OF MAHARASHTRA
CHIEF SECRETARY, GOVT. OF TELANGANA

Subject: Intense thunderstorms activity along with hailstorms & winds (40-60 Kmph) likely to continue over many parts of East & adjoining east central India today and decrease thereafter.

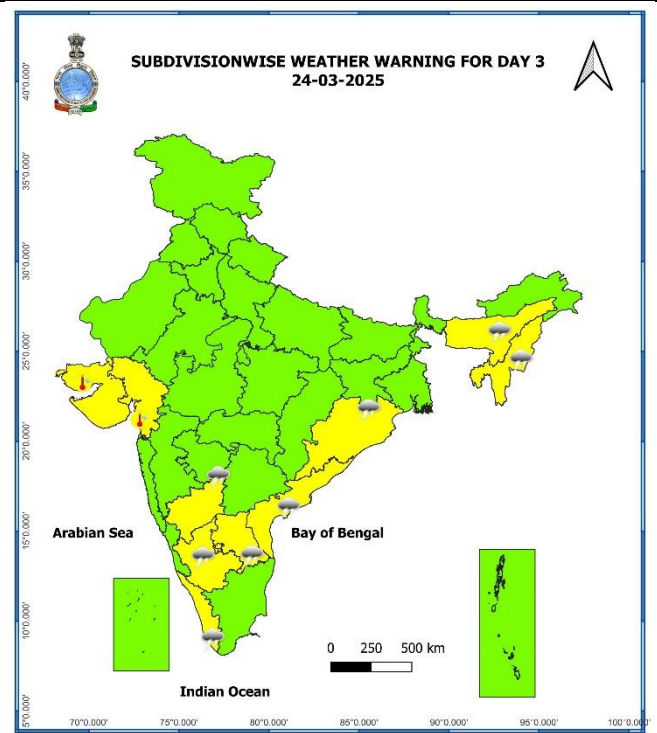
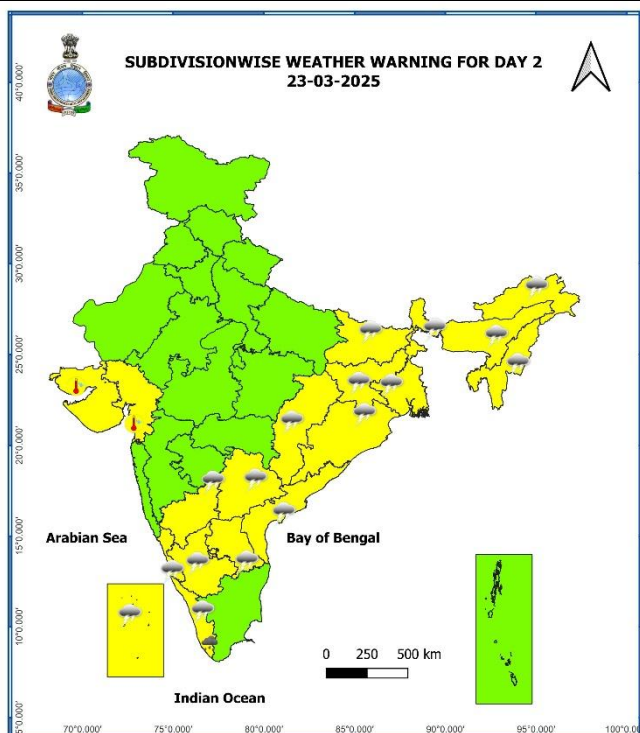
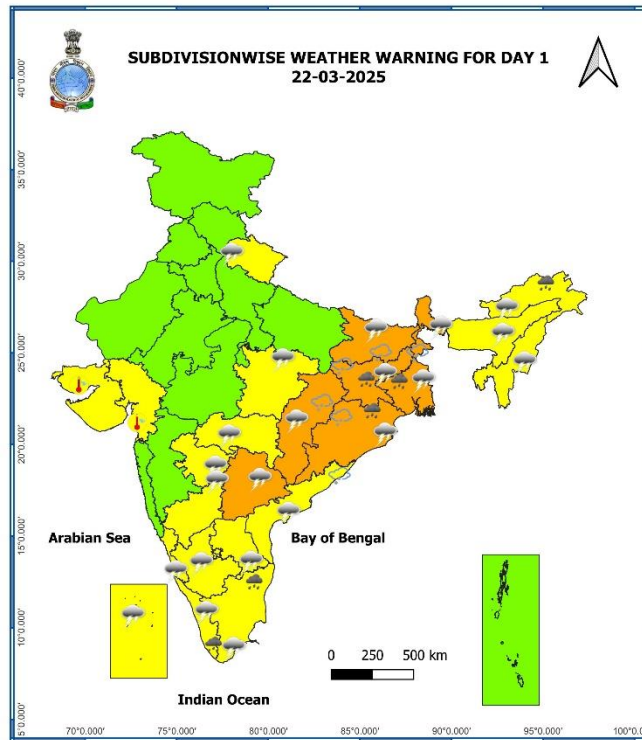
Weather Systems and Forecast & Warnings during next 5 days: (Annexure I)

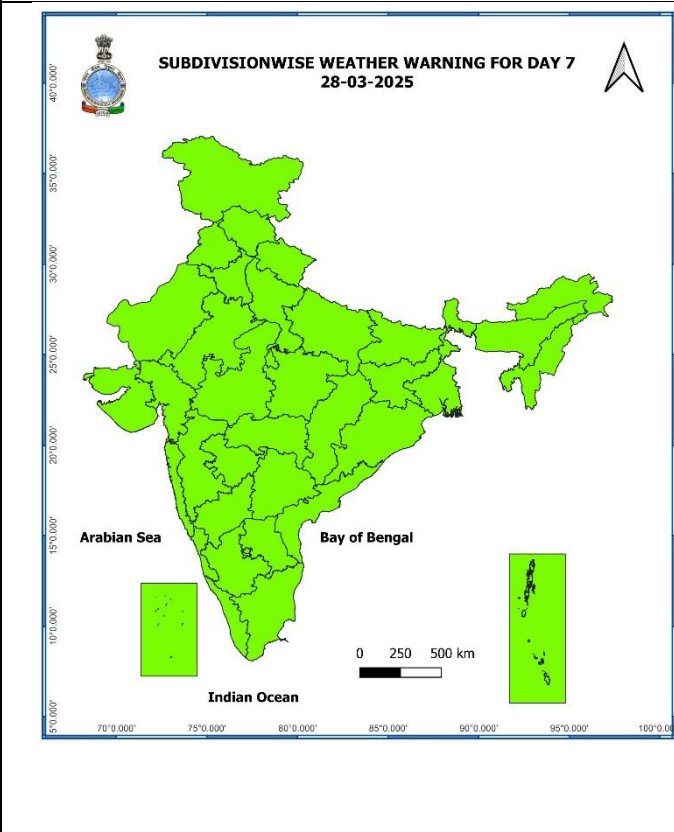
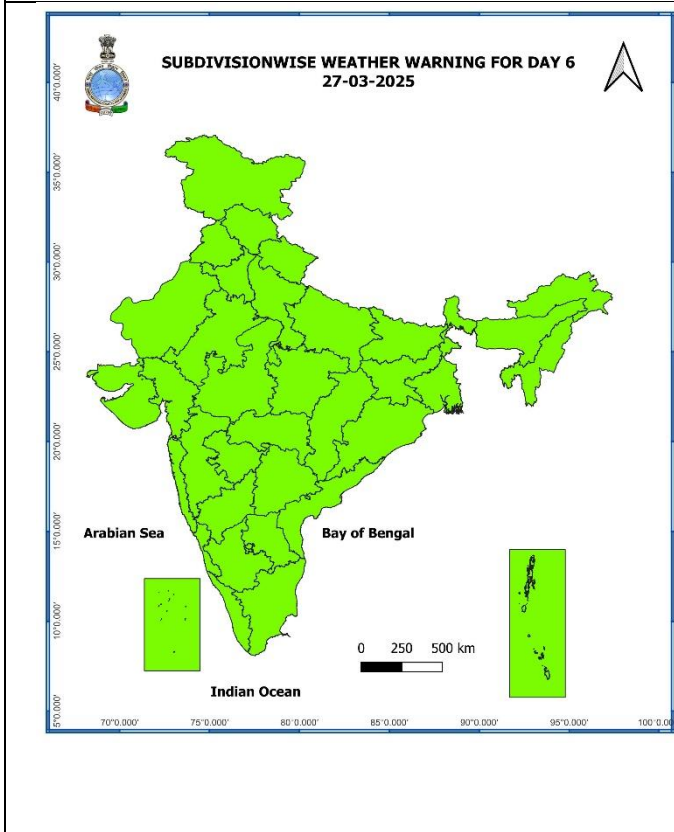
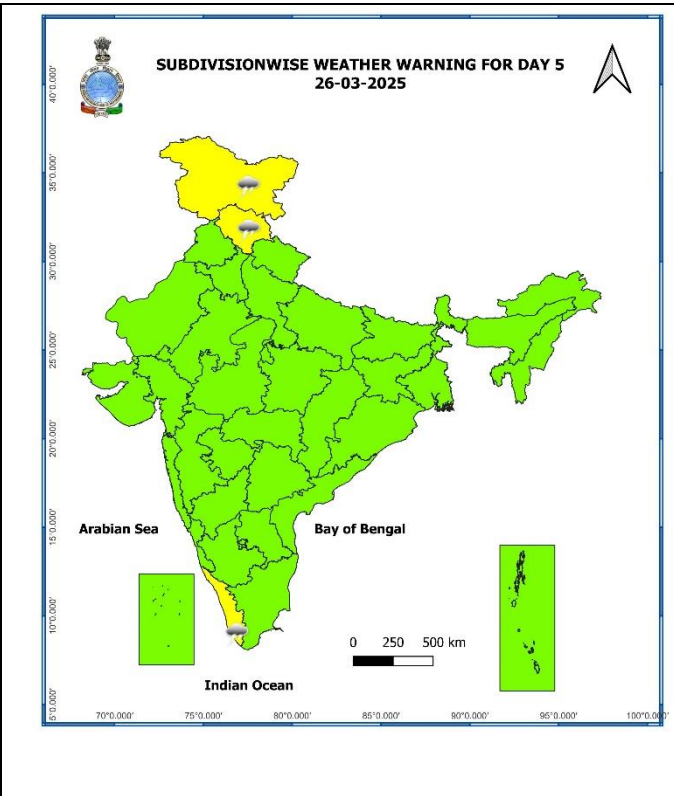
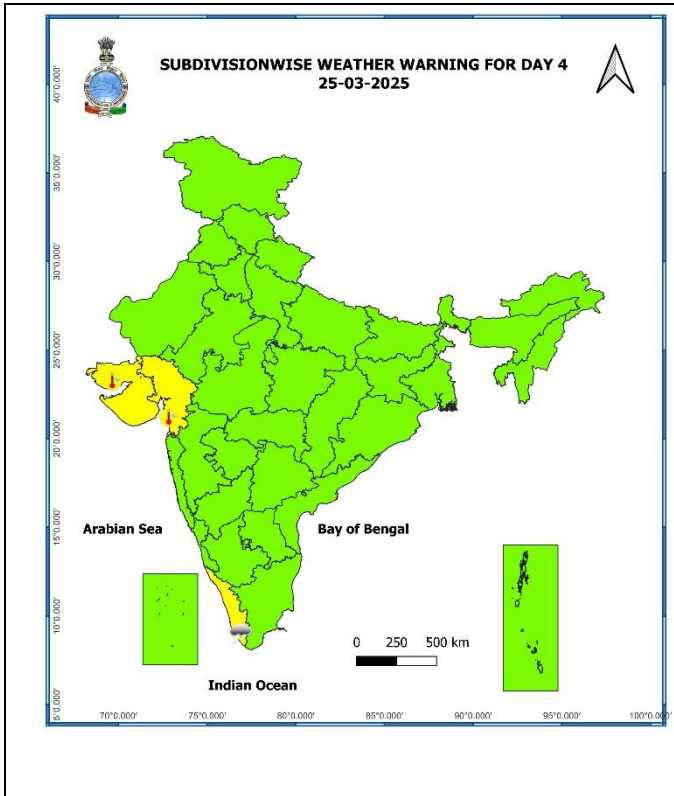
- ❖ A trough/wind discontinuity runs from southeast Uttar Pradesh to south Madhya Maharashtra with an embedded **cyclonic circulation** over central Chhattisgarh & neighbourhood in lower tropospheric levels. There is wind confluence over east & adjoining east peninsular India in association with the anticyclonic circulation over Bay of Bengal at lower tropospheric levels. Under the influence of these systems:
 - ✓ **Scattered to Fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 40-60 kmph)** likely over East Madhya Pradesh, Vidarbha, West Bengal, Sikkim, Bihar, Jharkhand, Odisha on 22nd March and over Chhattisgarh, Telangana on 22nd & 23rd March reduction in intensity thereafter.
 - ✓ **Heavy rainfall** likely at isolated places over Gangetic West Bengal, Jharkhand, Odisha on 22nd March.
 - ✓ **Isolated hailstorms also likely over** West Bengal & Sikkim, Bihar, Jharkhand, Odisha, Chhattisgarh, Telangana on 22nd March.

The state-wise forecast & warnings are given at ANNEXURE.

For more details, kindly refer: https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

ANNEXURE I





Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & hailstorm over East India on 22nd March 2025.

Impact expected:

- ❖ Strong wind may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds.
- ❖ Minor damage to kutcha houses/walls and huts.
- ❖ Loose objects may fly.

❖ **Action suggested:**

- ❖ Stay indoors, close windows & doors and avoid travel if possible.
- ❖ Take safe shelters; do not take shelter under trees.
- ❖ Do not lie on concrete floors and do not lean against concrete walls.
- ❖ Unplug electrical/ electronic appliances.
- ❖ Immediately get out of water bodies.
- ❖ Keep away from all the objects that conduct electricity.

Legends & abbreviations:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office.
- ❖ **Region wise classification of meteorological Sub-Divisions:**
 - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
 - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Warning	Dust Storm Strong Surface Winds Heat Wave Cold wave Fog	Subdivision color
Heavy Rain Heavy Snow Thunderstorms & Lightning Hailstorm		<div style="background-color: #00FF00; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></div> NO WARNING <div style="background-color: #FFD700; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></div> WATCH(BE UPDATED) <div style="background-color: #FF8C00; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></div> ALERT (BE PREPARED) <div style="background-color: #FF0000; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></div> WARNING (TAKE ACTION)

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

Flash Flood Risk	
<div style="background-color: #FF0000; width: 100%; height: 10px;"></div>	High Risk (Take Action)
<div style="background-color: #FF8C00; width: 100%; height: 10px;"></div>	Moderate Risk (Be Prepared)
<div style="background-color: #FFFF00; width: 100%; height: 10px;"></div>	Low Risk (Be Updated)