



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Date: 21<sup>st</sup> March, 2025  
Time of Issue: 1325 hours IST

**Special Message (No.- 4)**

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

**Subject: Intense thunderstorms activity along with hailstorms & squally winds likely to continue over many parts of East & adjoining central India next 2 days and decrease in intensity thereafter.**

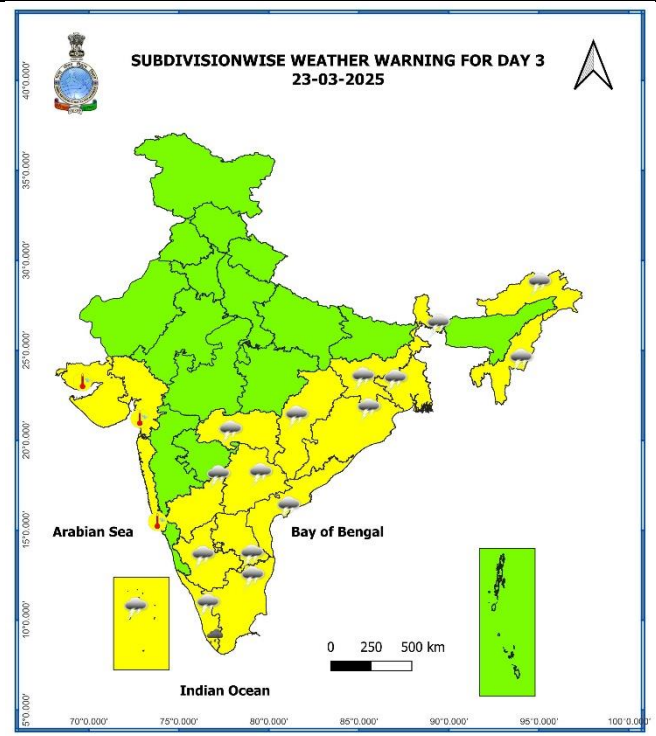
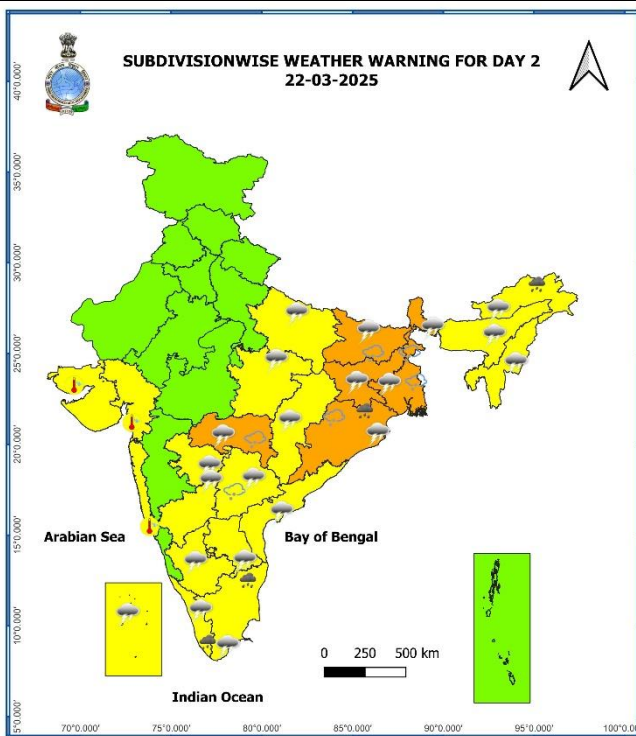
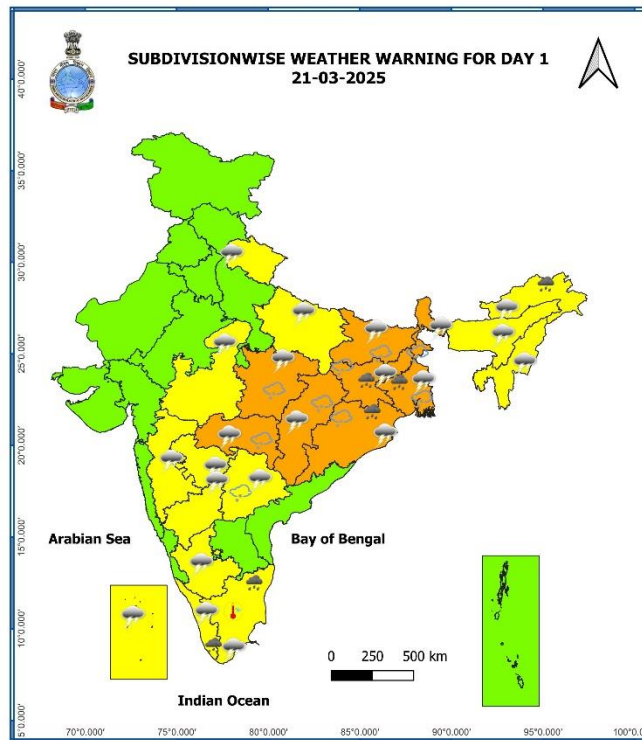
**Weather Systems and Forecast & Warnings during next 5 days: (Annexure I)**

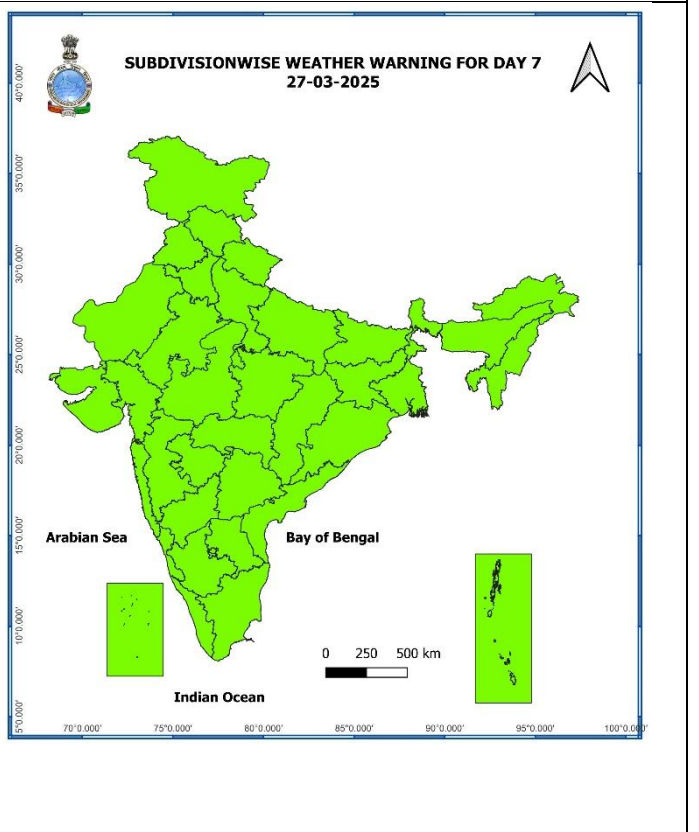
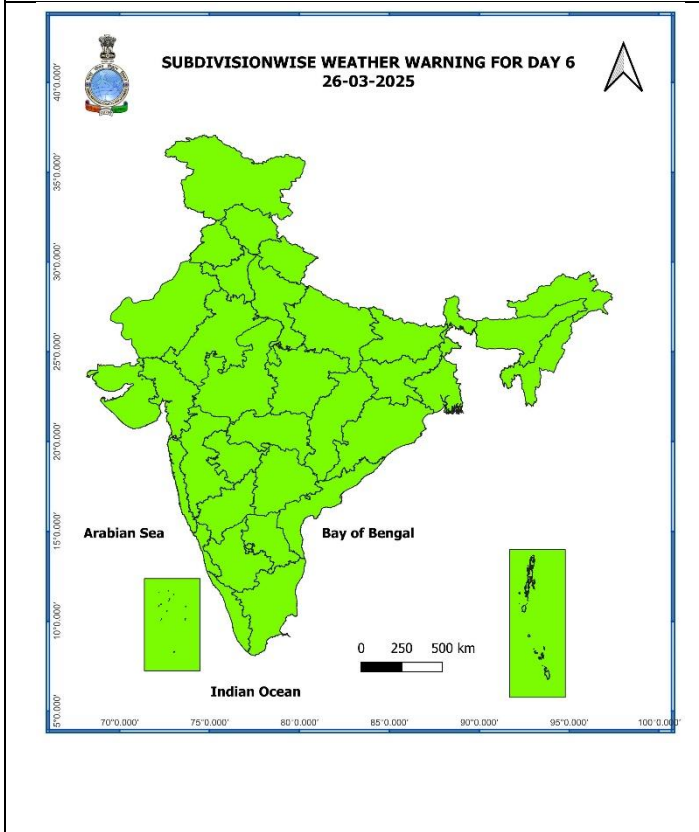
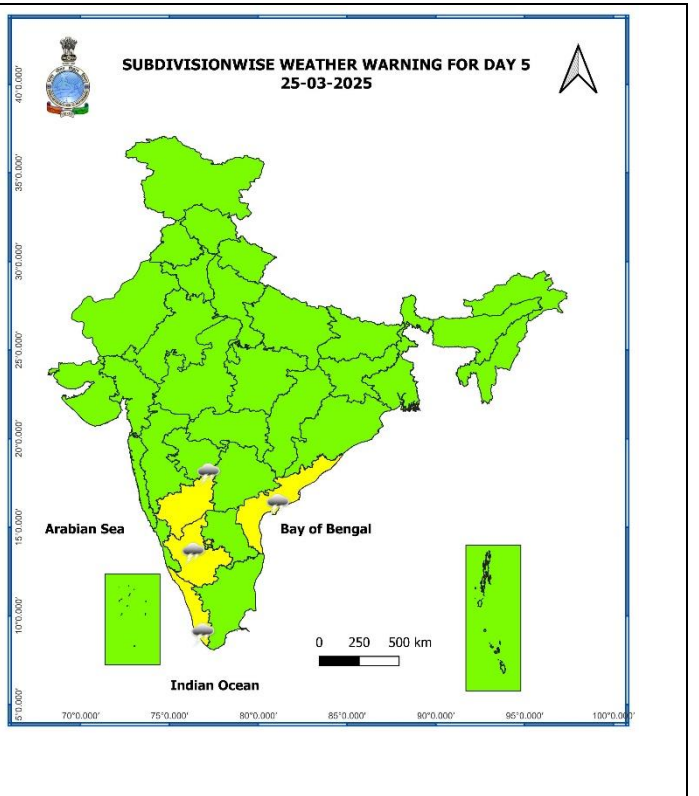
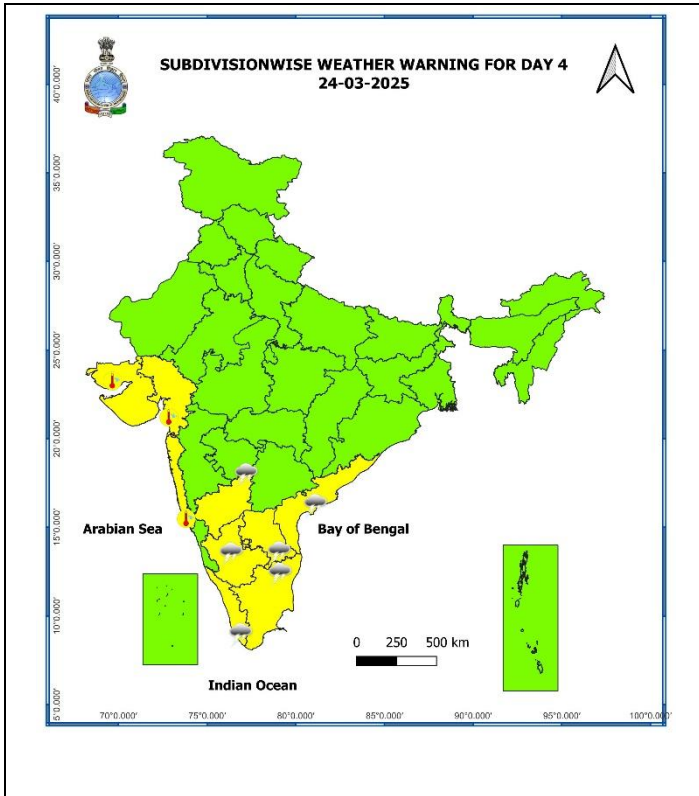
- ❖ An upper air **cyclonic circulation** lies over central parts of Madhya Pradesh and there is wind confluence over east & adjoining central India in association with the winds as an anticyclonic circulation over northwest Bay of Bengal at lower tropospheric levels. Under the influence of these systems:
  - ✓ **Scattered to Fairly widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 40-50 kmph)** likely over East Madhya Pradesh, Chhattisgarh, Madhya Maharashtra, Marathwada, Vidarbha, West Bengal, Sikkim, Bihar, Jharkhand and Odisha on 21<sup>st</sup> & 22<sup>nd</sup> March and reduction in intensity thereafter.
  - ✓ **Heavy rainfall** likely at isolated places over Jharkhand & adjoining Gangetic West Bengal-north Odisha on 21<sup>st</sup> March.
  - ✓ **Isolated hailstorms also likely over** East Madhya Pradesh, Chhattisgarh, Jharkhand on 21<sup>st</sup>; Vidarbha, West Bengal, Sikkim, Bihar and Odisha on 21<sup>st</sup> & 22<sup>nd</sup> 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](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 & central India on 21<sup>st</sup> & 22<sup>nd</sup> 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
<b>76-100</b>	<b>Widespread (WS/ Most Places)</b>	<b>26-50</b>	<b>Scattered (SCT/ A Few Places)</b>
<b>51-75</b>	<b>Fairly Widespread (FWS/ Many Places)</b>	<b>1-25</b>	<b>Isolated (ISOL)</b>

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: #FFA500; 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

	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)