



**Government of India
Ministry of Earth Sciences
India Meteorological Department**



**Date: 19th March, 2025
Time of Issue: 1315 hours IST**

Special Message (No.- 2)

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

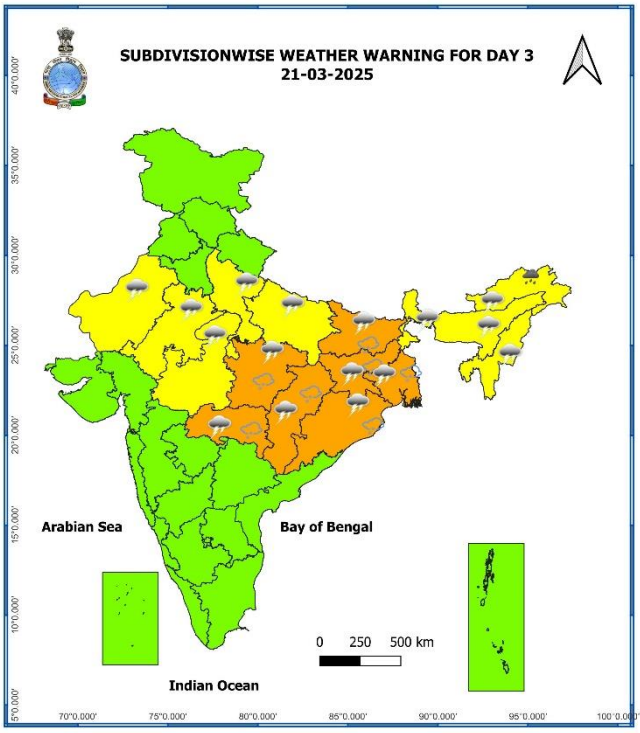
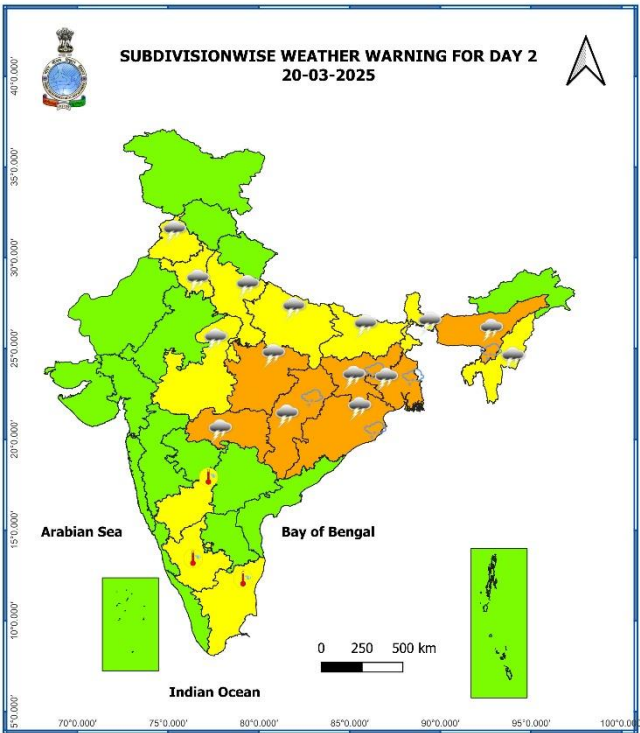
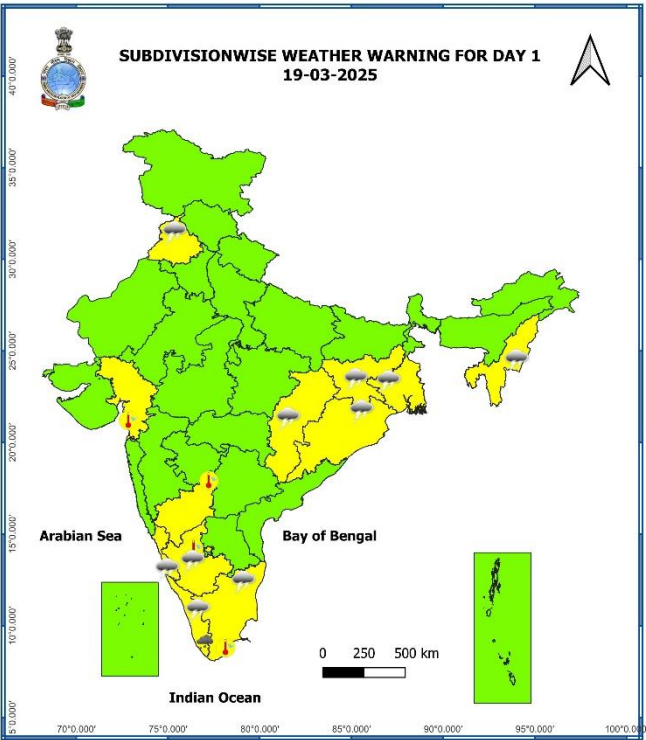
Subject: Thunderstorm, lightning, gusty winds & hailstorms likely over many parts of central, east & northeast India during 20th-22nd March, 2025.

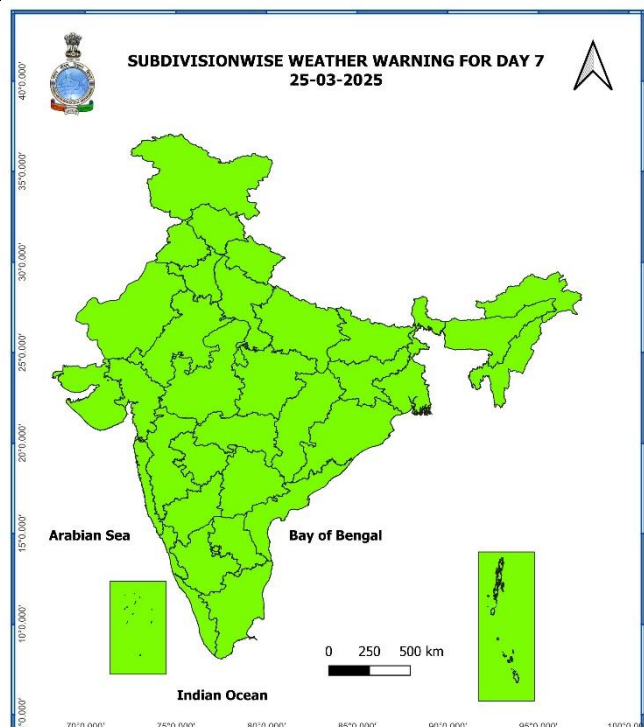
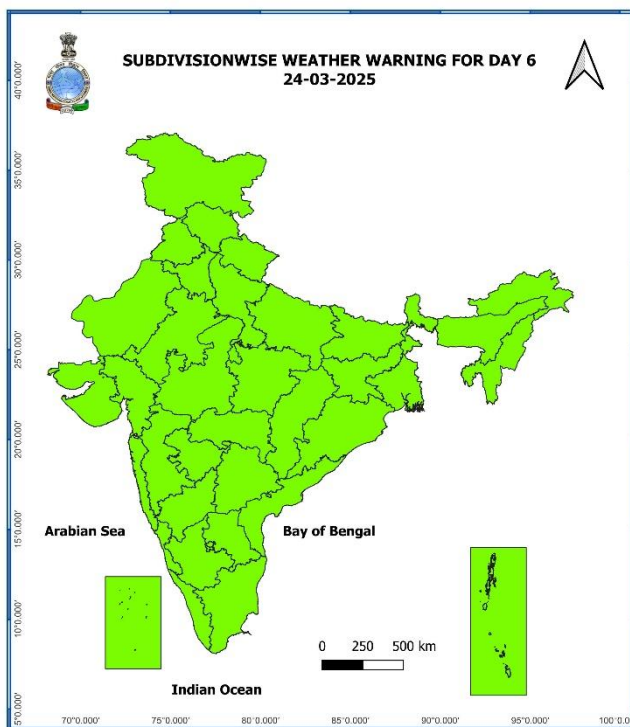
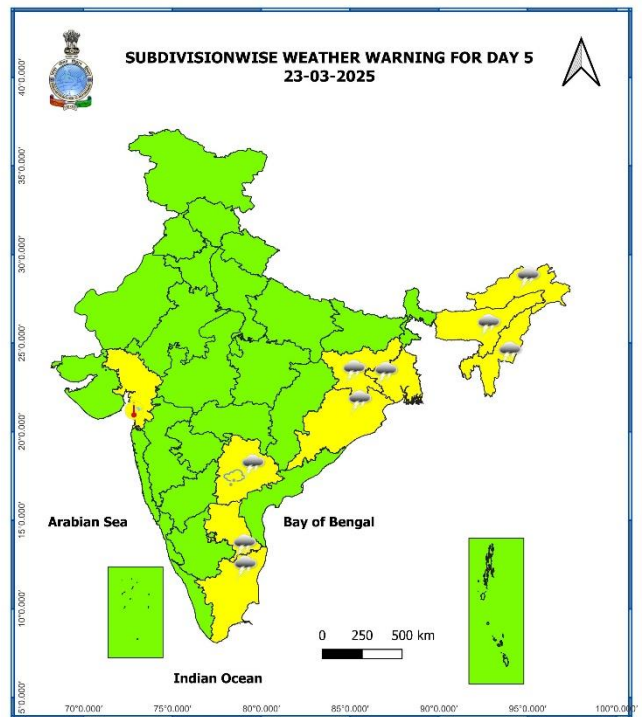
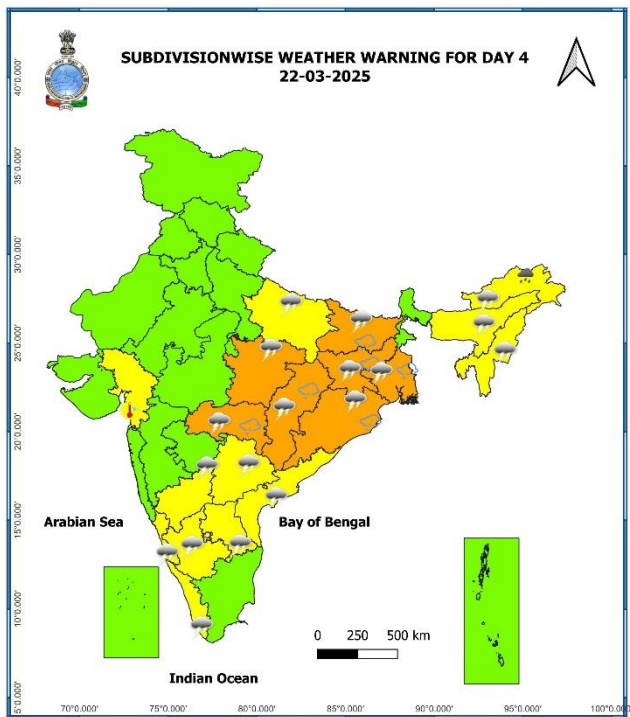
Weather Systems and Forecast & Warnings during next 5 days: (Annexure I)

- ❖ A trough runs from central Odisha to Vidarbha and there is wind confluence over east & adjoining central India due to the winds from the above trough and anticyclonic circulation over Bay of Bengal at lower tropospheric levels. Under the influence of these systems:
 - ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 30-50 kmph)** likely over Bihar on 21st & 22nd; East Madhya Pradesh and Chhattisgarh during 19th-22nd; West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim on 20th & 21st and Vidarbha on 21st & 22nd March.
 - ✓ **Scattered to Fairly widespread** light/moderate rainfall accompanied with thunderstorm, lightning & gusty winds (speed 40-60 kmph) likely over Gangetic West Bengal, Jharkhand and Odisha during 19th-22nd March and abate thereafter.
 - ✓ **Isolated hailstorms also likely over East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim on 21st; Chhattisgarh, Gangetic West Bengal, Odisha during 20th-22nd; Bihar, Vidarbha on 21st & 22nd; Jharkhand 20th & 21st March.**

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

For more details, kindly refer: <https://mausam.imd.gov.in/responsive/all india forcast bulletin.php>





Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & hailstorm over east & central India during 20th-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



Heavy Rain



Heavy Snow



Thunderstorms & Lightning



Hailstorm



Dust Storm



Strong Surface Winds



Heat Wave



Cold wave



Fog

Subdivision color



NO WARNING



WATCH(BE UPDATED)



ALERT (BE PREPARED)



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)