



Government of India
Ministry of Earth Sciences
India Meteorological Department



Date: 22nd February, 2025
Time of Issue: 1350 hours IST

Special Message (No.- 1)

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 JAMMU & KASHMIR
CHIEF SECRETARY, GOVT. OF LADAKH
CHIEF SECRETARY, GOVT. OF HIMACHAL PRADESH
CHIEF SECRETARY, GOVT. OF UTTARAKHAND

Subject: An active Western Disturbance is likely to affect Northwest India from 25th and cause heavy rainfall/snowfall over Western Himalayan region during 25th -28th February, 2025.

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

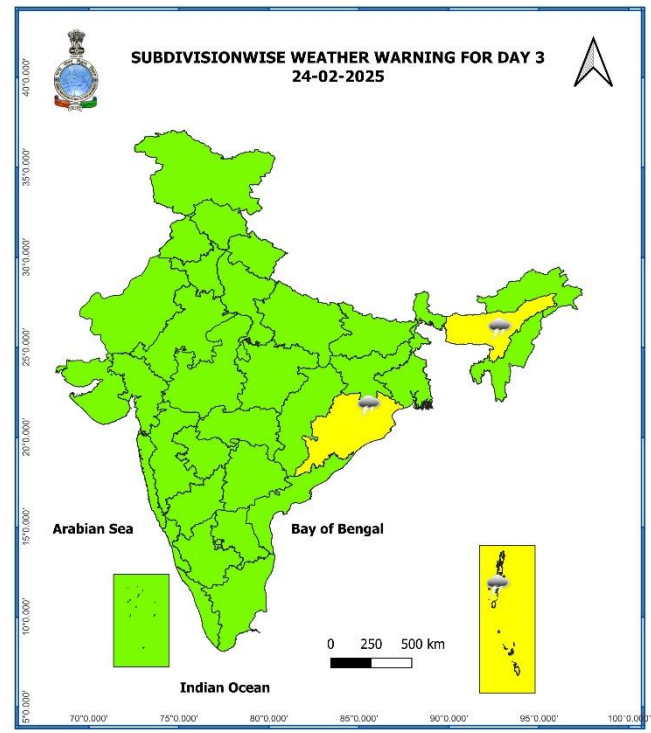
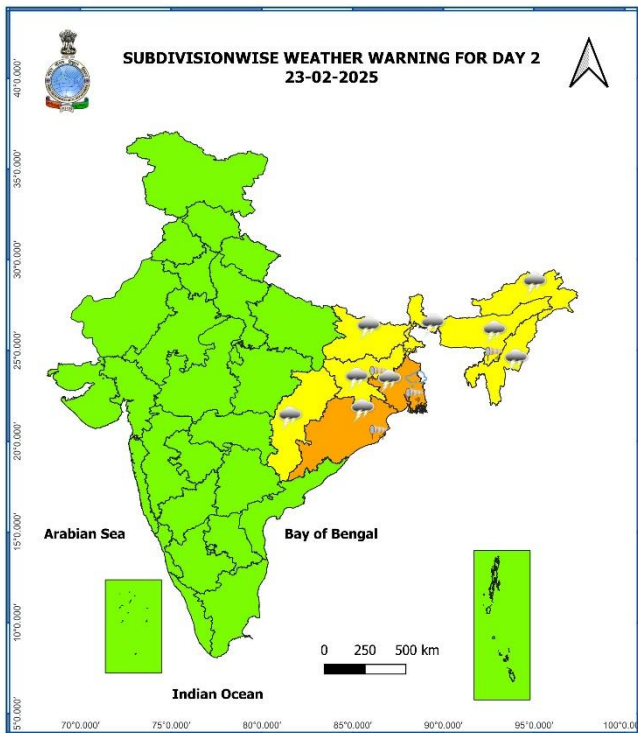
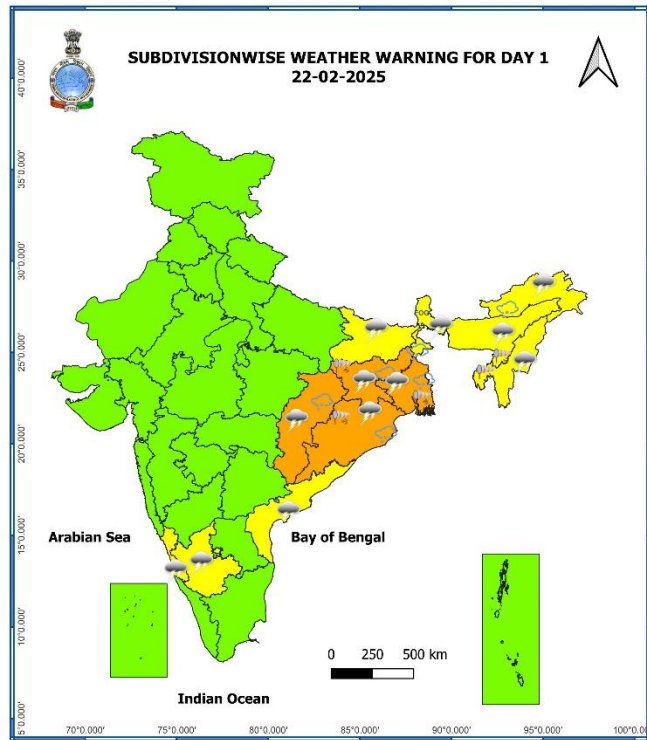
- ❖ A **fresh Western Disturbance** is likely to affect Northwest India from the night of 24th February, 2025. Under its influence,
 - ✓ **Fairly widespread to widespread** light to moderate rainfall/snowfall accompanied with thunderstorm & lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh & Uttarakhand on 25th & 26th February.
 - ✓ **Heavy rainfall/snowfall** at isolated places likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 25th-28th; Himachal Pradesh during 26th-28th; Uttarakhand on 27th & 28th February.

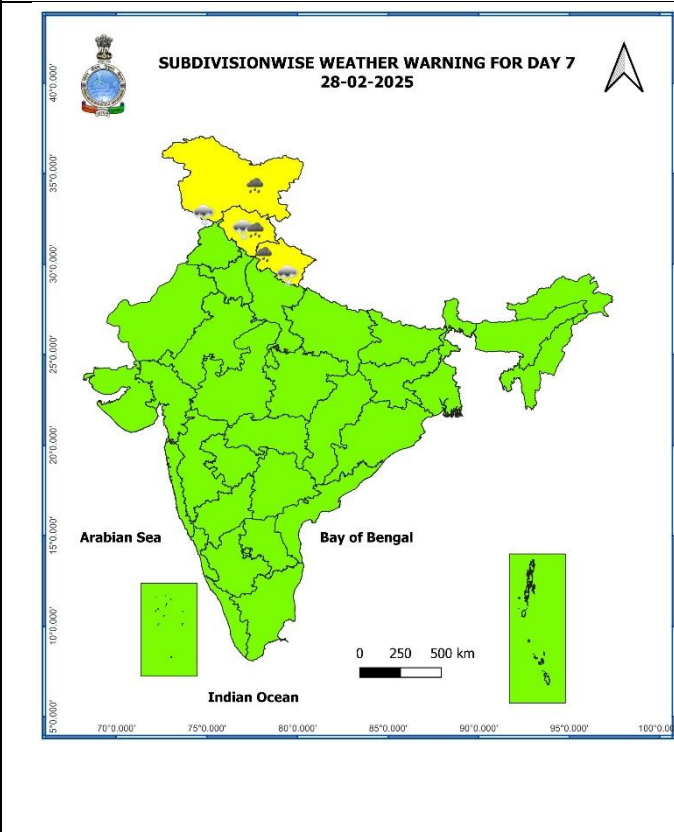
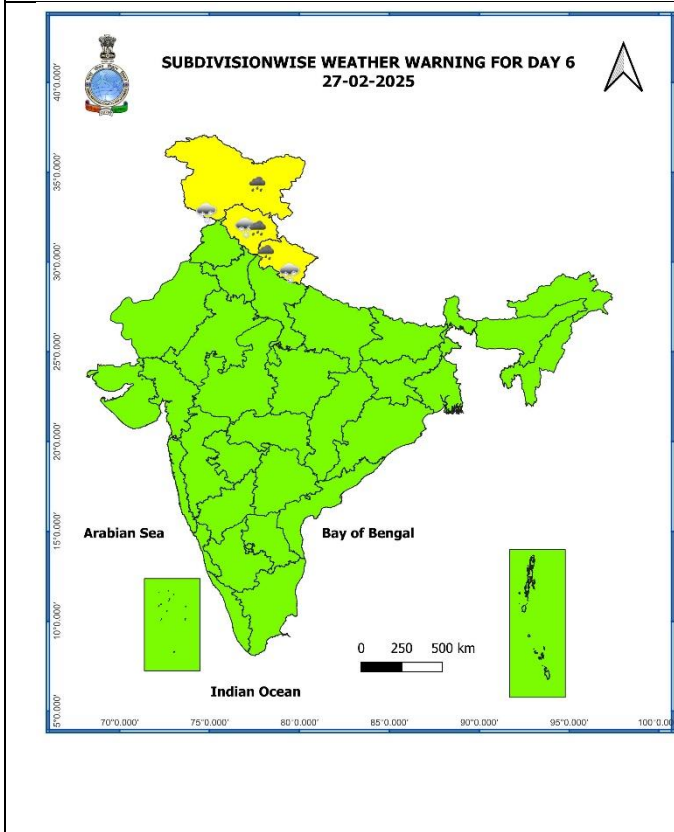
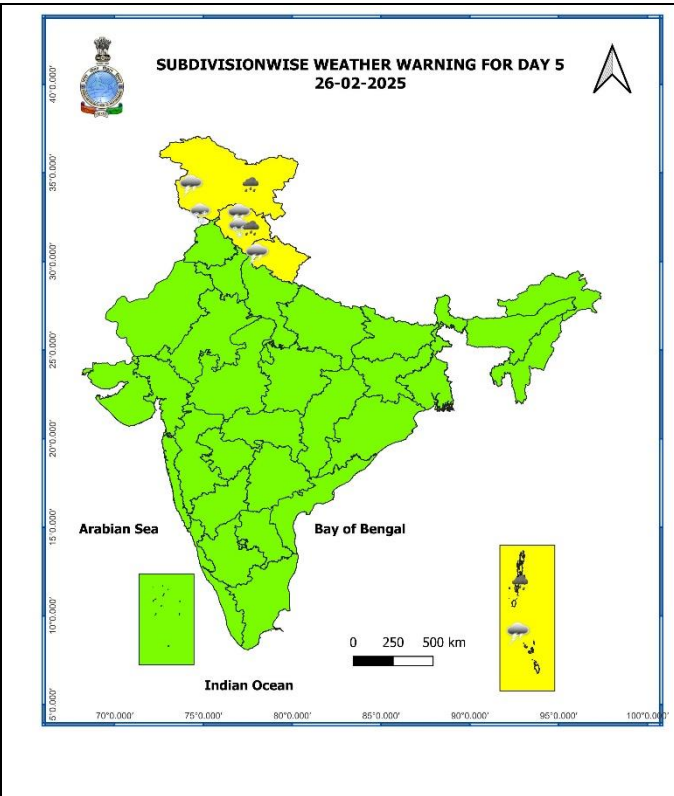
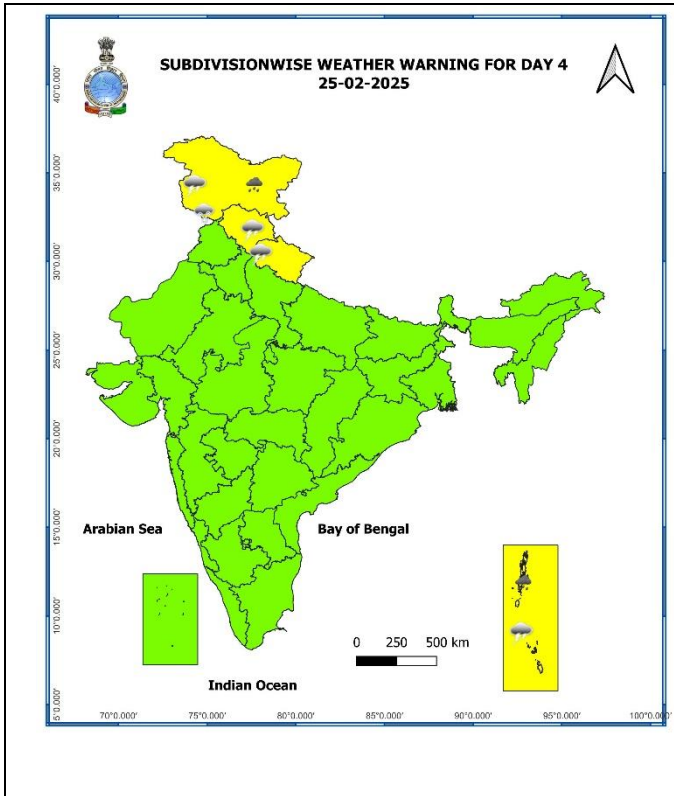
The state-wise forecast & warnings are given at ANNEXURE.

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

Dr. Amit Bharadwaj
Scientist 'C'
NWFC, IMD New Delhi

ANNEXURE I





Impact & Action Suggested due to heavy rainfall/snowfall: Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 20th February, 2025.

Impacts Expected:

- Disruption of Electricity.
- Landslide, rock fall and mudslides, Blocking/washout of roads/highways/bridges Nallahs.
- Disruption of traffic flow.
- Damage to Kuccha and unsecured structures.

Action Suggested:

- Avoid roadway underpasses, drainage ditches, low lying areas and areas where water collects – they can unexpectedly flood or overflow.
- Stay away from power lines or electrical wires.
- Don't stay in kuccha houses during heavy rainfall as it may collapse anytime soon
- Drive carefully.
- Make provision for draining out excess water from the fields of wheat, mustard, pulses, other standing crops, vegetables and horticultural crops in Jammu & Kashmir and Himachal Pradesh to avoid water stagnation.
- Harvest the mature crops and keep the harvested produce in safer places.
- Provide mechanical support to horticultural crops and staking to vegetables.

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)