



Government of India
Ministry of Earth Sciences
India Meteorological Department



Date: 24th February, 2025
Time of Issue: 1600 hours IST

Special Message (No.- 3)

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
CHIEF SECRETARY, GOVT. OF PUNJAB
CHIEF SECRETARY, GOVT. OF HARYANA
CHIEF SECRETARY, GOVT. OF CHANDIGARH
CHIEF SECRETARY, GOVT. OF DELHI
CHIEF SECRETARY, GOVT. OF UTTAR PRADESH
CHIEF SECRETARY, GOVT. OF RAJASTHAN**

Subject: An active Western Disturbance is likely to affect Northwest India from 25th and cause heavy rainfall/snowfall over Jammu & Kashmir during 25th -28th, Himachal Pradesh during 26th-28th and Uttarakhand on 27th & 28th February. It is also likely to cause isolated to scattered rainfall over plains of northwest India during 26th to 28th February, 2025.

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

- ❖ A Western Disturbance seen as a trough in lower to upper tropospheric levels with its axis at 3.1 Km above mean sea level roughly along Long. 46°E to the north of Lat. 23°N. High moisture feeding is also likely over Western Himalayan Region in lower tropospheric levels from Arabian Sea mainly during 25th -28th February, 2025. As a result;
 - ✓ **Fairly widespread to widespread** light to moderate rainfall/snowfall accompanied with thunderstorm & lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh during 25th-28th; Uttarakhand during 26th-28th 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 with isolated **very heavy rainfall/snowfall** at isolated places likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 27th February.
 - ✓ **Isolated to scattered** light to moderate rainfall likely over Punjab, Haryana, Chandigarh during 26th February-01st March; over West Uttar Pradesh & Rajasthan during 27th February-01st March and East Uttar Pradesh on 28th February & 01st March. Thunderstorm & lightning activity also likely over Punjab & Haryana during 26th-28th; north Rajasthan on 27th & 28th February.

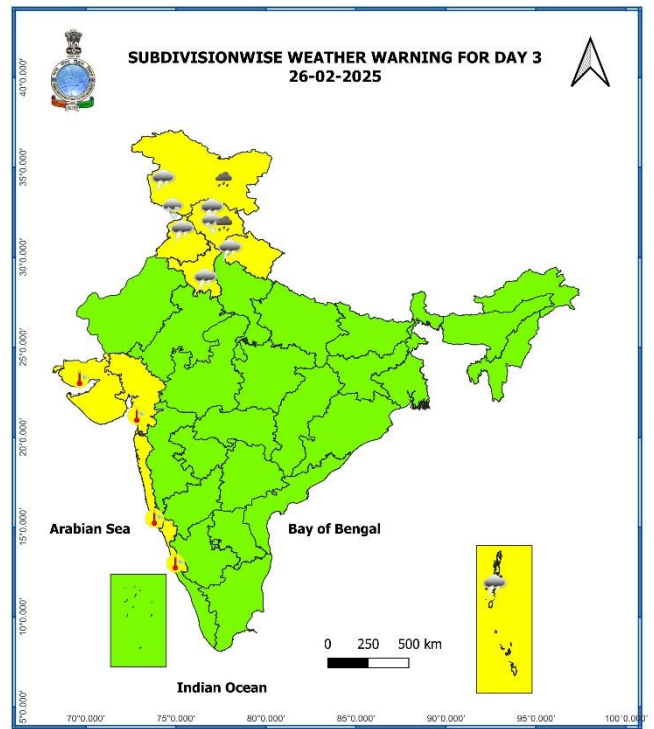
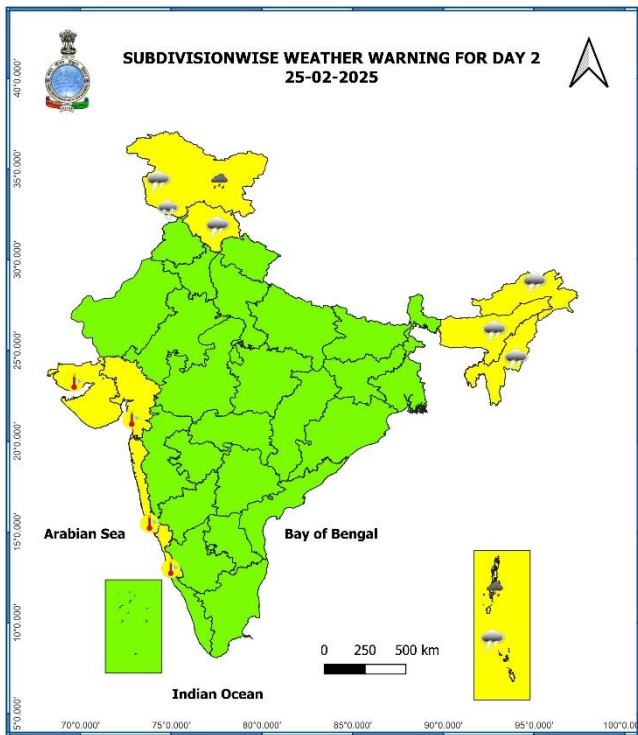
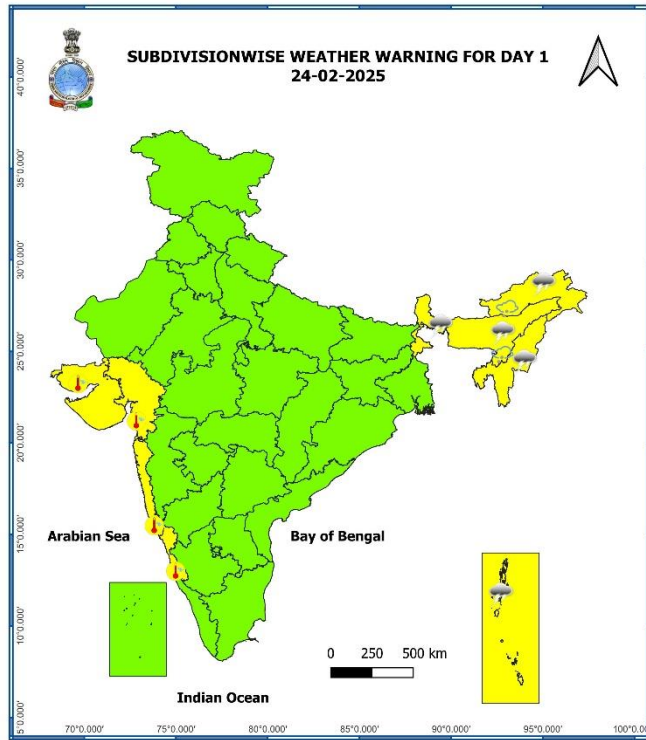
The state-wise forecast & warnings are given at ANNEXURE I

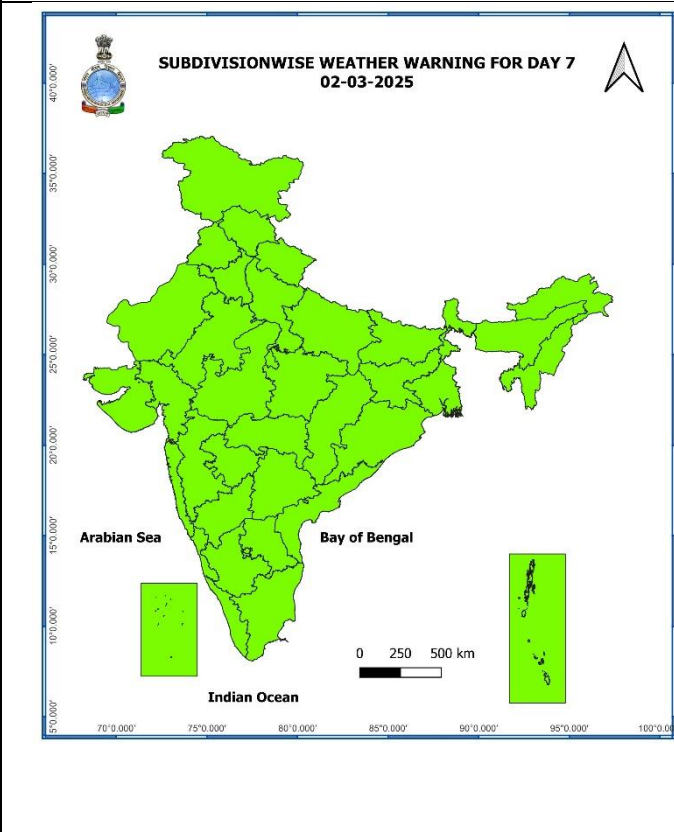
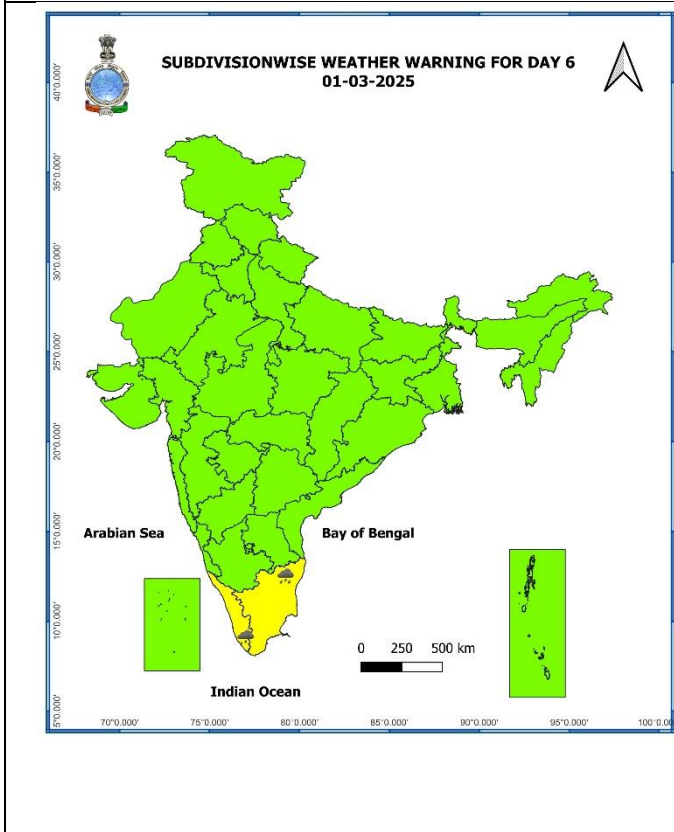
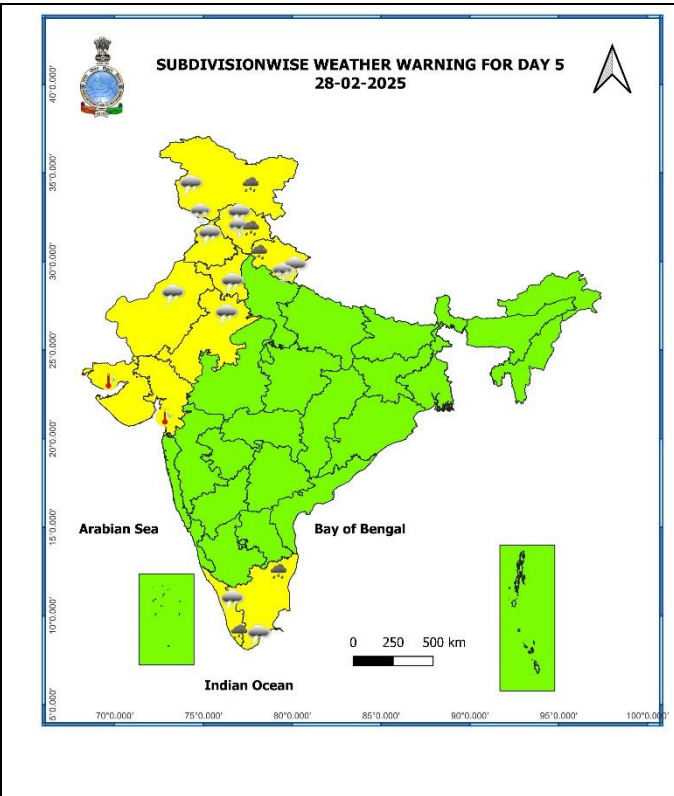
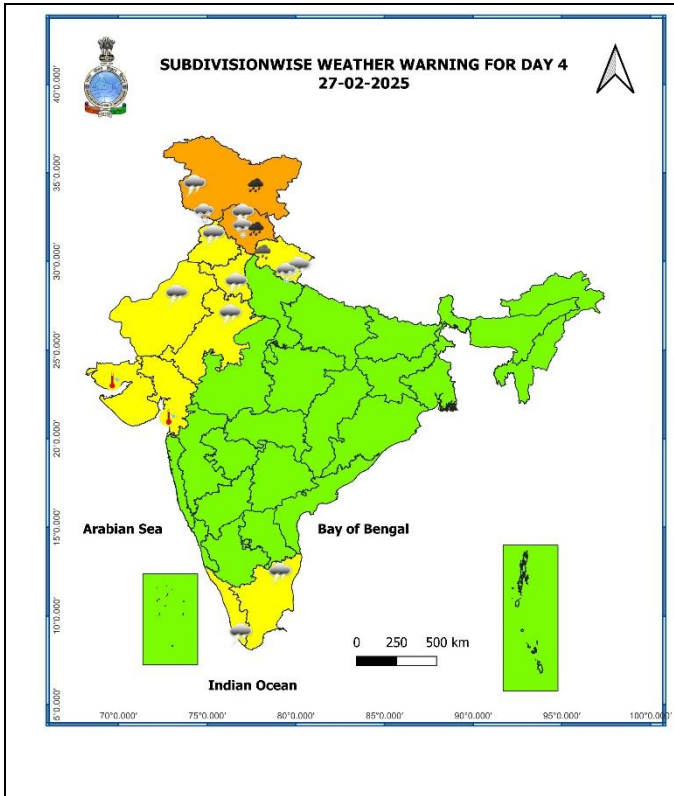
For weather summary and forecast, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Dr Shashi Kant
Scientist 'D'
NWFC, IMD, New Delhi





Impact & Action Suggested due to heavy to very heavy rainfall/snowfall: Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 27th 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: #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)