



Government of India
Ministry of Earth Sciences
India Meteorological Department



Date: 08th April, 2024
Time of Issue: 1220 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 MADHYA PRADESH
CHIEF SECRETARY, GOVT. OF CHHATTISGARH
CHIEF SECRETARY, GOVT. OF ODISHA
CHIEF SECRETARY, GOVT. OF JHARKHAND
CHIEF SECRETARY, GOVT. OF WEST BENGAL
CHIEF SECRETARY, GOVT. OF MAHARASHTRA

Subject: Light to moderate rainfall spell accompanied with thunderstorms, gusty winds likely over East India today and over Central India during 08th-11th April, 2024.

Weather Systems and Forecast & Warnings during next 5 days:

- ❖ A trough/wind discontinuity runs from north Coastal Andhra Pradesh to south Tamil Nadu across Rayalaseema in lower tropospheric levels. Under its influence;
 - ✓ Scattered to fairly widespread light/moderate rainfall accompanied with **thunderstorms, lightning & gusty winds (30-50 kmph)** very likely over Gangetic West Bengal, Jharkhand, Odisha and isolated rainfall over Bihar today and decrease in intensity thereafter.
 - ✓ Scattered to fairly widespread light/moderate rainfall accompanied with **thunderstorms, lightning & gusty winds (30-50 kmph)** very likely over East Madhya Pradesh, Chhattisgarh, Vidarbha and isolated to scattered over West Madhya Pradesh, Marathwada, Madhya Maharashtra during 08th-12th April, 2024.
 - ✓ Isolated light/moderate rainfall accompanied with **thunderstorms, lightning & gusty winds (30-50 kmph)** very likely over Coastal Andhra Pradesh & Yanam, Telangana, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal during 08th-14th April, 2024.
 - ✓ **Hailstorm activity also very likely at isolated places over Vidarbha and Chhattisgarh on 08th April, 2024.**

The state-wise forecast is given below: (Warning graphics are given at ANNEXURE-I)

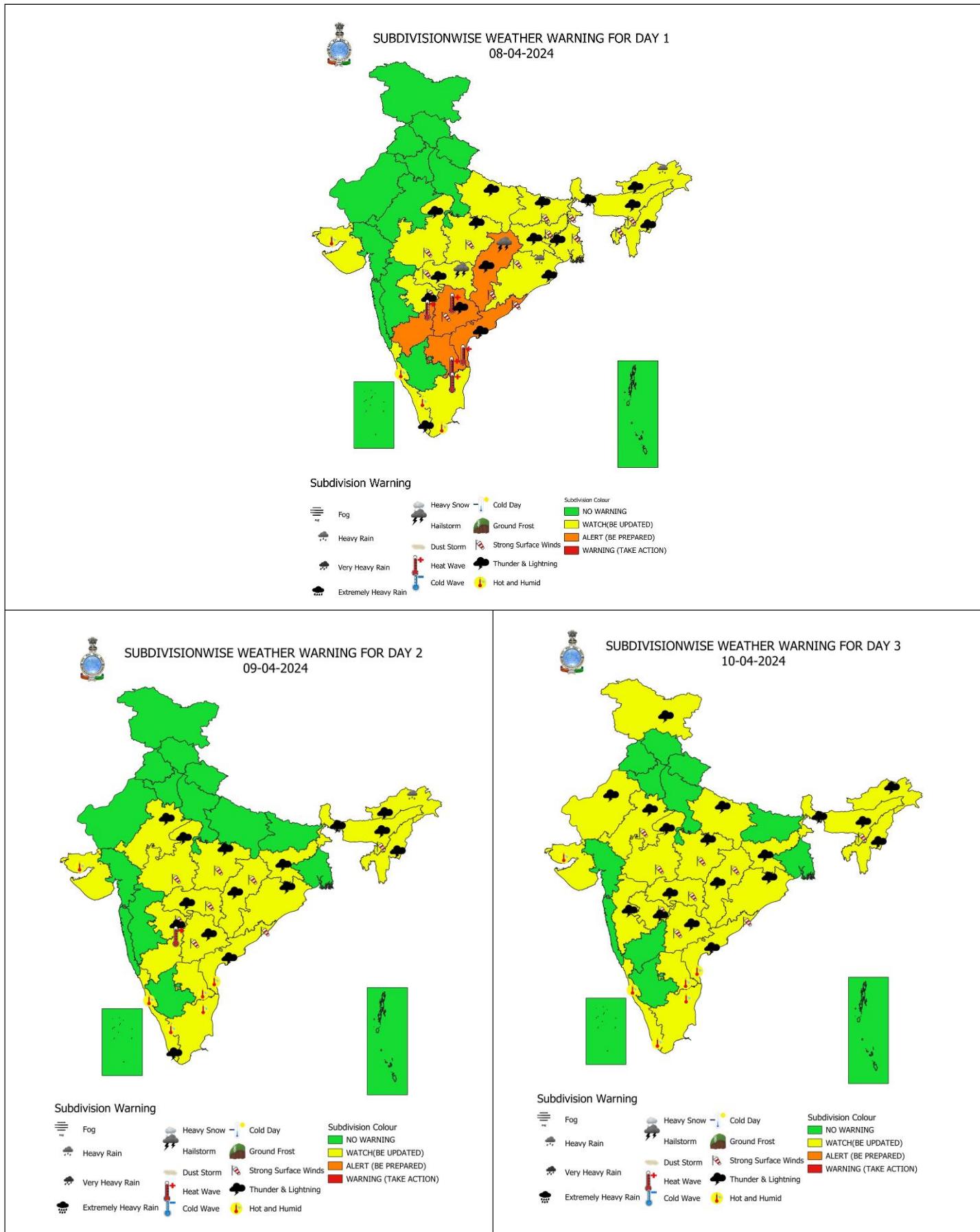
S. No.	State/sub-division	Forecast
1.	East Madhya Pradesh	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) at isolated places during 08th –10th April and with gusty winds (speed reaching 30-40 kmph) at isolated places on 11th & 12th April.
2.	West Madhya Pradesh	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 08th-12th April.
3.	Vidarbha	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) at isolated places 08th –10th April and with gusty winds (speed reaching 30-40 kmph) at isolated places on 11th April. Hailstorm also likely at isolated places on 08th April.
4.	Chhattisgarh	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) on 08th April and with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 09th-11th April. Hailstorm also likely at isolated places on 08th April.
5.	Marathwada	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 08th-12th April.
6.	Madhya Maharashtra	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm & lightning at isolated places during 09th-11th April.

7.	Odisha	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places on 08th April and with lightning at isolated places during 09th-11th April.
8.	Gangetic West Bengal	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places on 08th April and with lightning at isolated places on 11th April.
9.	Jharkhand	<ul style="list-style-type: none"> Light to moderate rain accompanied with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) at isolated places on 08th April; with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places on 11th April and with lightning at isolated places on 09th & 10th April.

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

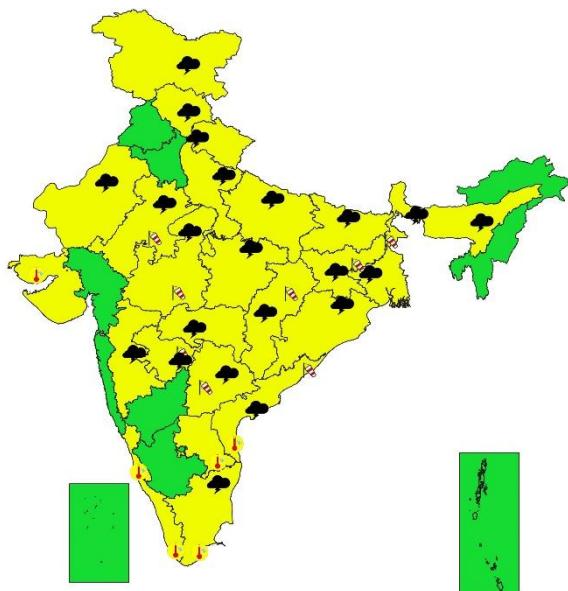
Dr. Shobhit Katiyar
 Scientist- 'D'
 NWFC, IMD New Delhi

ANNEXURE I





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
11-04-2024

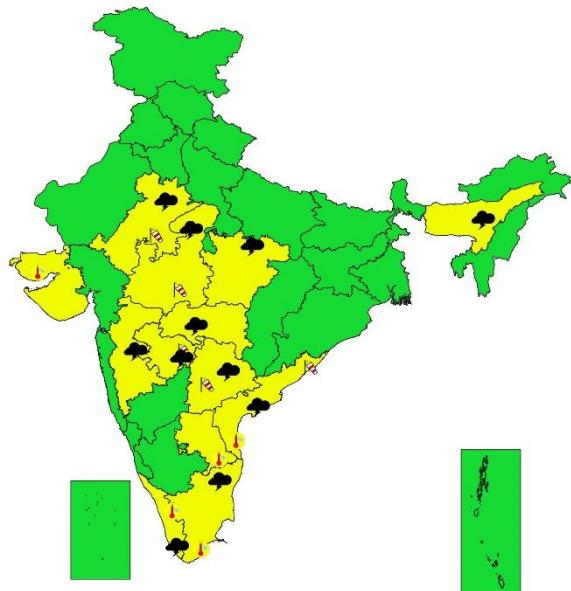


Subdivision Warning

Fog	Heavy Snow	Cold Day
Heavy Rain	Hailstorm	Ground Frost
Very Heavy Rain	Dust Storm	Strong Surface Winds
Extremely Heavy Rain	Heat Wave	Thunder & Lightning
	Cold Wave	Hot and Humid



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
12-04-2024



Subdivision Warning

Fog	Heavy Snow	Cold Day
Heavy Rain	Hailstorm	Ground Frost
Very Heavy Rain	Dust Storm	Strong Surface Winds
Extremely Heavy Rain	Heat Wave	Thunder & Lightning
	Cold Wave	Hot and Humid

Impact expected and action suggested due to thunderstorm accompanied with lightning/gusty winds & Hailstorm over Central, Northeast & North peninsular India during next 4 days and east India today.

Impact expected:

- ❖ Strong wind/hail may damage plantation, horticulture and standing crops.
- ❖ Hail may injure people and cattle at open places.
- ❖ 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	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

Probabilistic Forecast		Flash Flood Risk	
Terms	Probability of Occurrence (%)		
Unlikely	< 25		High Risk (Take Action)
Likely	25 - 50		Moderate Risk (Be Prepared)
Very Likely	50 - 75		Low Risk (Be Updated)
Most Likely	> 75		