



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Date: 07<sup>th</sup> April, 2024  
Time of Issue: 1340 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 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 & hail likely over East, Central & Peninsular India during 07<sup>th</sup>-09<sup>th</sup> April, 2024.**

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

- ❖ The trough/wind discontinuity runs from interior Odisha to north Tamil Nadu across Chhattisgarh, Vidarbha and interior Karnataka 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 Madhya Pradesh, Chhattisgarh, Marathwada, Vidarbha Jharkhand and Gangetic West Bengal during 07<sup>th</sup>-11<sup>th</sup>; Odisha during 07<sup>th</sup>-08<sup>th</sup>; and Madhya Maharashtra during 09<sup>th</sup>-11<sup>th</sup> April, 2024.
  - ✓ *Hailstorm activity also very likely at isolated places over Odisha on 07<sup>th</sup>; Madhya Pradesh on 08th & 09th; Vidarbha, Chhattisgarh and Marathwada on 07th & 08th April, 2024.*

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

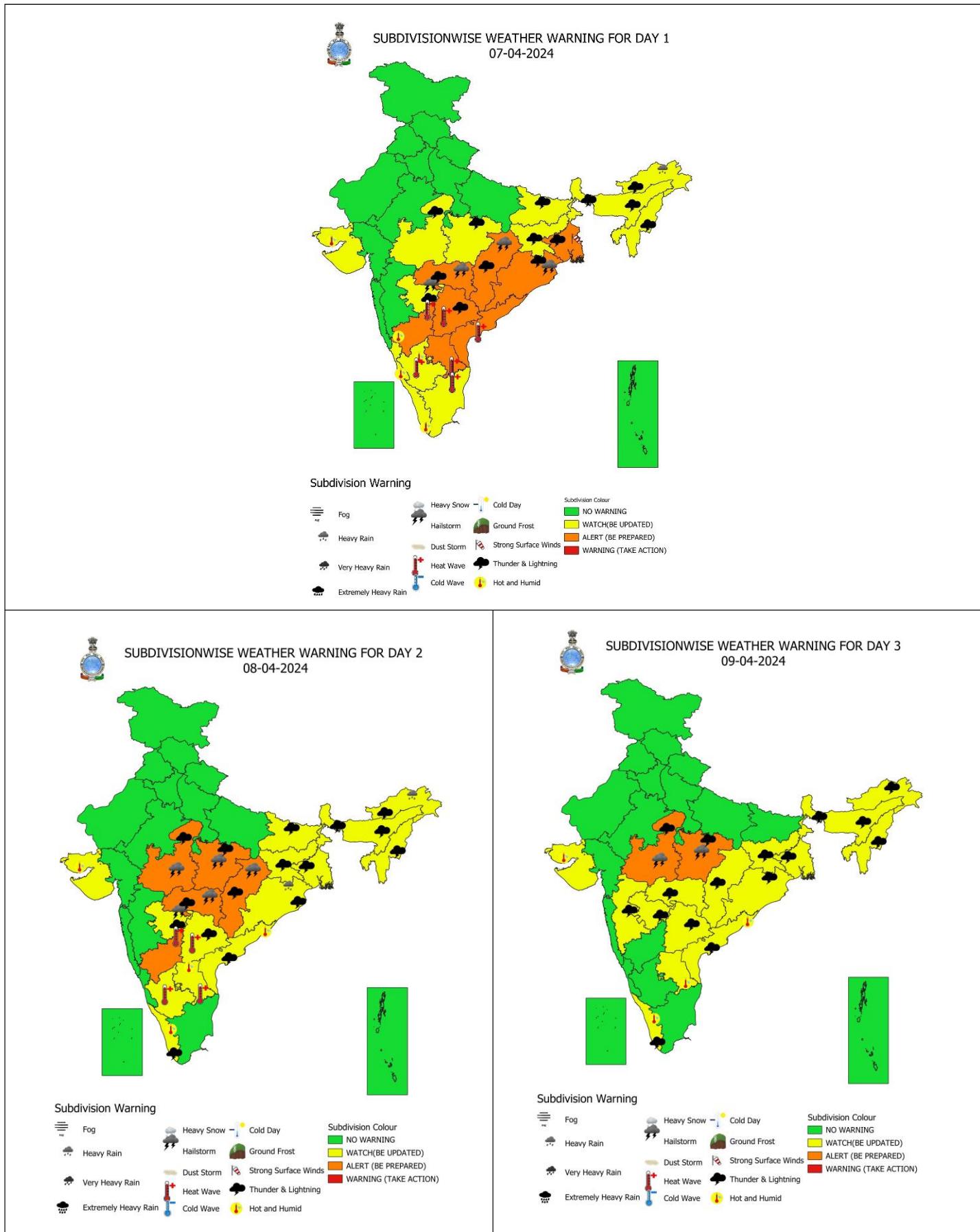
S. No.	State/sub-division	Forecast
1.	East Madhya Pradesh	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 40-50 kmph) at isolated places 09<sup>th</sup> April and with gusty winds (speed reaching 30-40 kmph) at isolated places during 07<sup>th</sup>-08<sup>th</sup> &amp; 10<sup>th</sup>- 11<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places on 12<sup>th</sup> &amp; 13<sup>th</sup> April.</li> <li><b>Hailstorm also likely at isolated places during 08<sup>th</sup>-09<sup>th</sup> April.</b></li> </ul>
2.	West Madhya Pradesh	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 07<sup>th</sup>-11<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places on 12<sup>th</sup> &amp; 13<sup>th</sup> April.</li> <li><b>Hailstorm also likely at isolated places during 08<sup>th</sup>-09<sup>th</sup> April.</b></li> </ul>
3.	Vidarbha	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) at isolated places on 08<sup>th</sup> April and with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places on 07<sup>th</sup> &amp; 09<sup>th</sup>-11<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places on 12<sup>th</sup> &amp; 13<sup>th</sup> April.</li> <li><b>Hailstorm also likely at isolated places during 07<sup>th</sup> -08<sup>th</sup> April.</b></li> </ul>
4.	Chhattisgarh	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) on 07<sup>th</sup> April and with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 08<sup>th</sup>-11<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places on 12<sup>th</sup> &amp; 13<sup>th</sup> April.</li> <li><b>Hailstorm also likely at isolated places on 07<sup>th</sup> &amp; 08<sup>th</sup> April.</b></li> </ul>
5.	Marathwada	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) on 07<sup>th</sup>-08<sup>th</sup> April and with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 09<sup>th</sup>-10<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places on 12<sup>th</sup> &amp; 13<sup>th</sup> April.</li> <li><b>Hailstorm also likely at isolated places on 07<sup>th</sup>-08<sup>th</sup> April.</b></li> </ul>
6.	Madhya Maharashtra	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 09<sup>th</sup>-11<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places on 12<sup>th</sup> April.</li> </ul>

7.	Odisha	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) at isolated places on 07<sup>th</sup> April and with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places on 08<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places during 09<sup>th</sup>-11<sup>th</sup> April.</li> <li><b>Hailstorm also likely at isolated places on 07<sup>th</sup> April.</b></li> </ul>
8.	Gangetic West Bengal	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm &amp; lightning at isolated places on 09<sup>th</sup> April; with gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) at isolated places on 08<sup>th</sup> &amp; 11<sup>th</sup> April; <b>with squally winds</b> (speed reaching 50-60 kmph) at isolated places on 07<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places during 09<sup>th</sup>-13<sup>th</sup> April.</li> </ul>
9.	Jharkhand	<ul style="list-style-type: none"> <li>Light to moderate rain accompanied with thunderstorm, lightning &amp; gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) at isolated places on 07<sup>th</sup> April and with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph) at isolated places during 08<sup>th</sup> - 11<sup>th</sup> April.</li> <li>Light to moderate rain at isolated places on 12<sup>th</sup> April.</li> </ul>

For more details, kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)

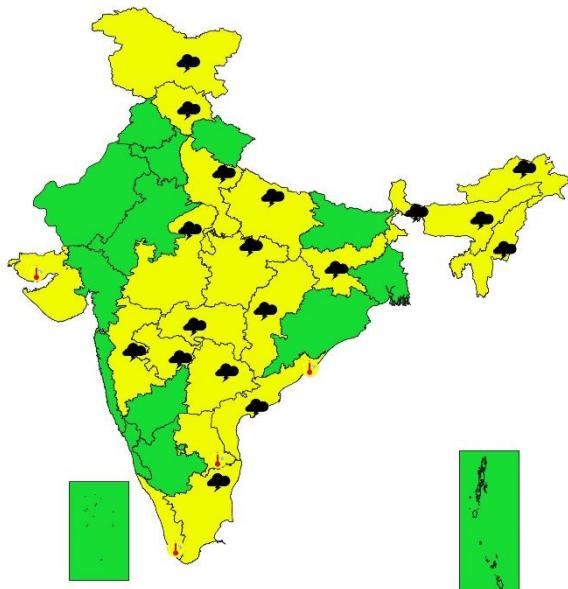
Dr. Shashi Kant  
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NWFC, IMD New Delhi

## ANNEXURE I





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
10-04-2024

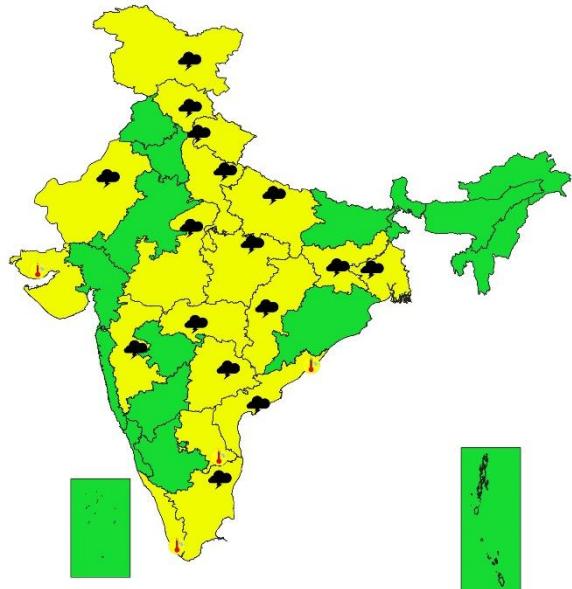


Subdivision Warning

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  
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

**Impact expected and action suggested due to thunderstorms accompanied with lightning/gusty winds & Hailstorm over East, Central and North Peninsular India during next 3 days.**

**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	
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)	