



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

**Press Release  
Date: 14<sup>th</sup> April, 2023  
Time of Issue: 1315 hours IST**

**Subject: (i) Heat wave conditions likely over Gangetic West Bengal, Odisha, Coastal Andhra Pradesh and Bihar during next 4-5 days.  
(ii) A fresh spell of rainfall over Western Himalayan Region & adjoining plains from 16<sup>th</sup> April.**

**Weather observed during past 24 hours ending at 0830 hrs IST of today: Refer Annexure I**

**Significant Meteorological features:**

- ❖ A **cyclonic circulation** lies over southwest Rajasthan in lower levels.
- ❖ A **trough/wind discontinuity** runs from north Chhattisgarh to Kerala in lower levels.
- ❖ A **Western Disturbance** seen as a trough in middle tropospheric levels roughly along Long. 54°E to the north of Lat. 28°N.

**Maximum Temperatures, Forecast and Heat Wave Warning during next 5 days:**

- ❖ **Maximum temperatures** are in the range of 40-42°C over many parts of central & east India; some parts of Peninsular and Northwest India. These are above normal by 3-5°C over many parts of Gangetic West Bengal, some parts of Odisha, Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Jammu division, Punjab and North India.
- ❖ Maximum Temperatures are very likely to be above normal by 3-5°C over some parts of Madhya Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Jammu division, Punjab and North India during next 4-5 days. These are likely to be above normal by 1-3°C over most parts of the rest parts of the country.
- ❖ **Heat wave conditions very likely in isolated pockets over Gangetic West Bengal during 14<sup>th</sup>-18<sup>th</sup>; over north coastal Andhra Pradesh during 14<sup>th</sup>-16<sup>th</sup> April, Odisha during 14<sup>th</sup>-15<sup>th</sup> April and over Bihar during 15<sup>th</sup>-18<sup>th</sup> April.**

**Rainfall Forecast and Warnings (Graphics in Annexure II):**

**West India:**

- ❖ Light/moderate isolated rainfall with thunderstorm/lightning very likely over Konkan & Goa, Madhya Maharashtra and Marathwada during next 3 days. Isolated **hailstorm** activity very likely over Konkan, Madhya Maharashtra & Marathawada on 14<sup>th</sup> April.

**Northwest India:**

- ❖ Light/moderate scattered rainfall with thunderstorm/lightning very likely over Western Himalayan Region from night of 15<sup>th</sup> to 17<sup>th</sup> April with isolated heavy rainfall likely over the region on 18<sup>th</sup> April.
- ❖ **Hailstorm** likely at isolated places over Jammu & Kashmir on 17<sup>th</sup> and over Himachal Pradesh and Uttarakhand on 18<sup>th</sup> April.

**South Peninsular India:**

- ❖ Light/moderate isolated rainfall with thunderstorm/lightning/gusty winds very likely over Kerala, Karnataka, Coastal Andhra Pradesh and Telangana during next 5 days.
- ❖ **Hailstorm** very likely at isolated places over Telangana on 14<sup>th</sup> April.

**No significant weather likely over rest parts of the country.**

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)

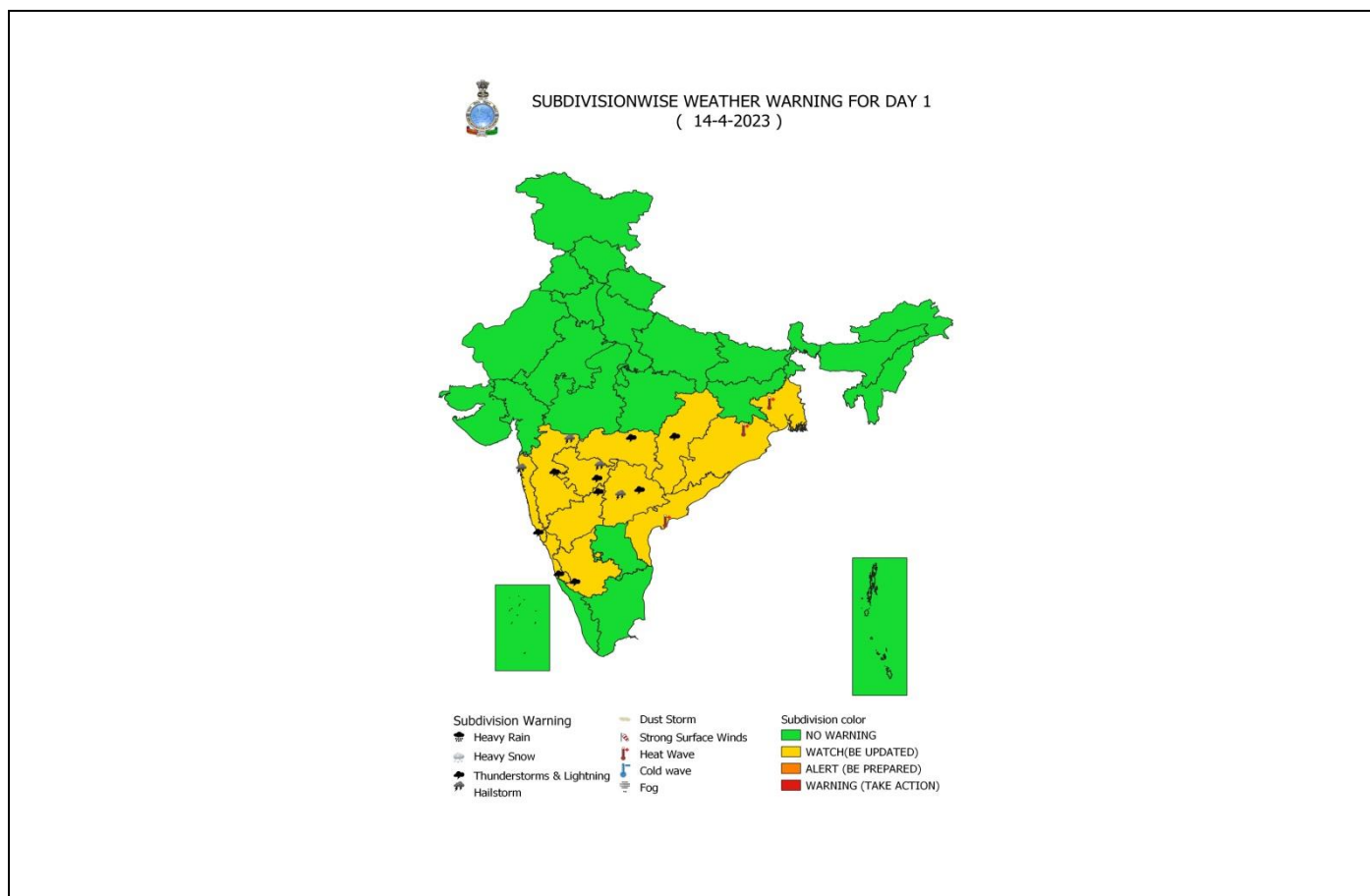
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

**Observations:**

- ❖ **Rainfall/thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at isolated places** over Odisha, Arunachal Pradesh, Konkan & Goa, Madhya Maharashtra, Marathwada, North Interior Karnataka, Coastal Andhra Pradesh and Telangana.
- ❖ **Significant rainfall recorded** (in cm): **Konkan & Goa:** Pune City (dist Pune) 3; **North Interior Karnataka:** Bidar (dist Bidar) 2; **Telangana:** Saroornagar (dist Rangareddy) 3; Hyderabad (dist Hyderabad) 2.
- ❖ **Hailstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Konkan, Madhya Maharashtra and Telangana.
- ❖ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Chhattisgarh, Konkan, Marathwada, Madhya Maharashtra, Telangana and East Rajasthan.
- ❖ Yesterday, **Heat Wave conditions** prevailed in isolated pockets over Gangetic West Bengal.

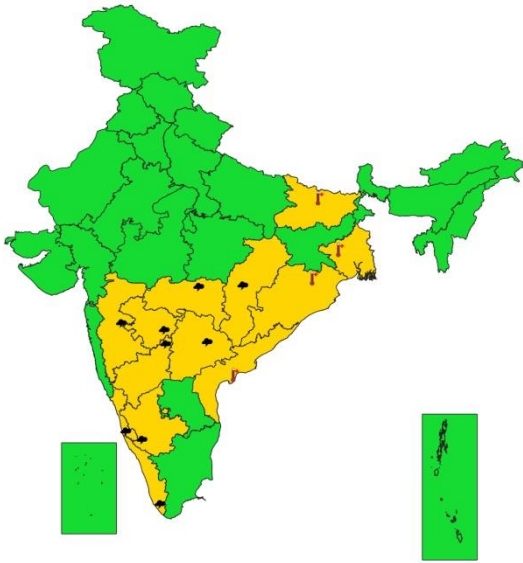
**Annexure II****Agromet advisories for rainfall accompanied with thunderstorms/gusty winds and hailstorms likely over various parts of the country (Based on the IBF and advisories issued by different AMFUs and DAMUs)**

- Undertake harvesting of grapes, sapota and citrus in Marathwada and onion, grapes and pomegranate in Madhya Maharashtra as early as possible and keep the harvested produce at safer places.
- Use hail nets to protect orchards in Madhya Maharashtra and Marathwada.
- Provide mechanical support to horticultural crops and staking to vegetables in Konkan and Madhya Maharashtra.
- Provide light and frequent irrigation to crops in Odisha, Gangetic West Bengal and North Coastal Andhra Pradesh during morning and evening hours.





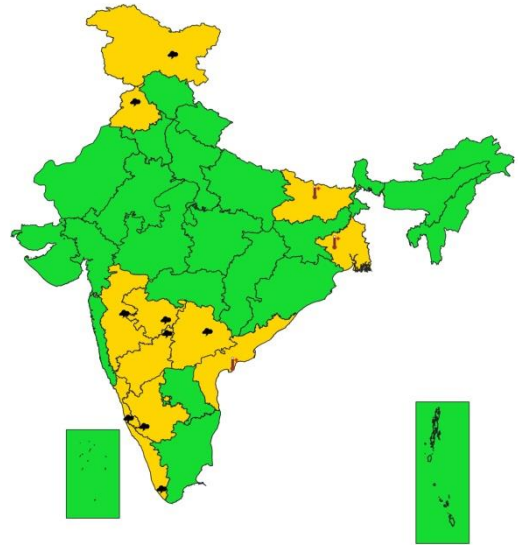
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 15-4-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



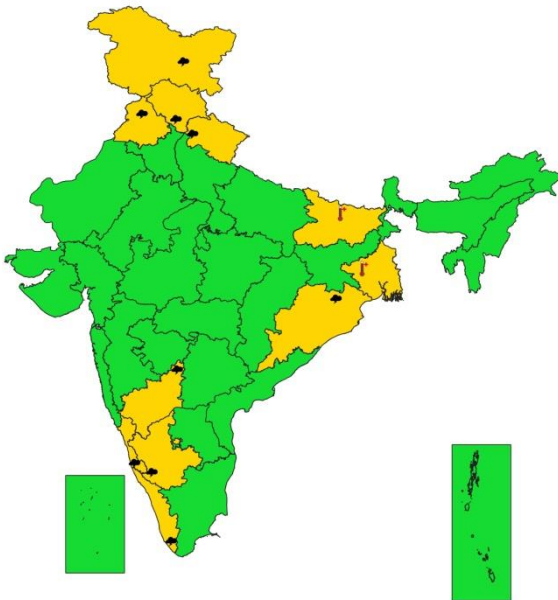
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 3  
( 16-4-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



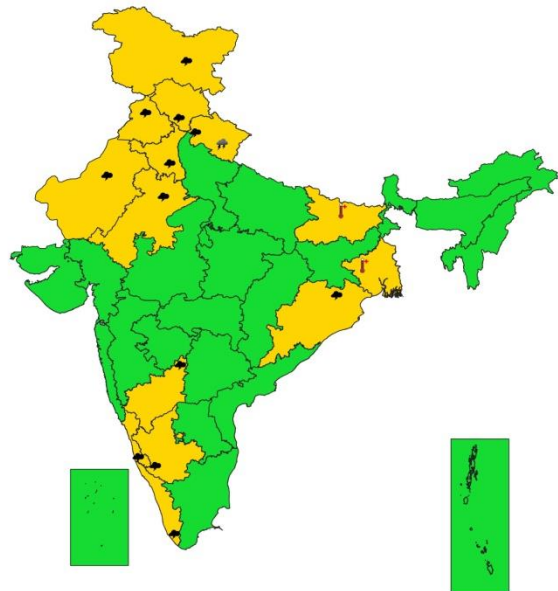
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 17-4-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
( 18-4-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| 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)    |














**Legends:**

❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.

❖ **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-Himalaya 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, Tamilnadu, Puducherry & Karaikal and Lakshadweep.

<b>SPATIAL DISTRIBUTION</b> (% 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)

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75