



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

**Press Release  
Date: 02<sup>nd</sup> May, 2023  
Time of Issue: 1300 hours IST**

**Subject: (i) Significant reduction in rainfall activity over northwest India after 24 hours and over south Peninsular India after 48 hours.  
(ii) A fresh spell of rainfall likely to commence over northwest India from 06<sup>th</sup> May.**

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

**Significant Meteorological features:**

- ❖ A Western Disturbance as a cyclonic circulation lies over Haryana & neighbourhood in lower tropospheric levels.
- ❖ Another Western Disturbance seen as a trough along Long.68°E to the north of 22°N in middle tropospheric levels.
- ❖ A trough/wind discontinuity runs from southwest Madhya Pradesh to south Tamil Nadu in lower tropospheric levels.
- ❖ A cyclonic Circulation lies over South Interior Karnataka & neighbourhood in lower tropospheric levels.
- ❖ A fresh Western Disturbance likely to affect Northwest India from 05<sup>th</sup> May night.
- ❖ **A cyclonic circulation is likely to develop over Southeast Bay of Bengal around 06<sup>th</sup> May, 2023. Under its influence, a Low Pressure Area is likely to form over the same region during subsequent 48 hours.**

**Forecast and warning for next 5 days**

**Northwest India:**

- ❖ Light to moderate fairly widespread to widespread rainfall/snowfall with **thunderstorm/lightning/gusty winds (wind speed 30-40 kmph)** very likely over Northwest India during next 2 days, significant reduction thereafter for subsequent 02 days and **a fresh spell likely to influence the region from 06<sup>th</sup> May with scattered to fairly widespread rainfall/snowfall over Western Himalayan region and isolated to scattered rainfall over plains of northwest India for subsequent 2-3 days.**
- ❖ **Hailstorm** activity very likely at isolated places over Uttarakhand during 02<sup>nd</sup>-04<sup>th</sup> May. **Thundersquall (wind speed 50-60 kmph)** very likely over Uttarakhand on 03<sup>rd</sup> May.
- ❖ **Heavy rainfall** very likely at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh on 02<sup>nd</sup> May.

**Central India:**

- ❖ Scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds (40-50 kmph) very likely over the region during next 2 days and reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over East Madhya Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup>; over Vidarbha and Chhattisgarh on 02<sup>nd</sup> May.

**East India:**

- ❖ Light/moderate scattered to fairly widespread **rainfall** with thunderstorm/lightning/gusty winds very likely over the region during next 2 days and reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over Gangetic West Bengal on 03<sup>rd</sup> May.

**South India:**

- ❖ Scattered/fairly widespread rainfall with thunderstorm/lightning/gusty winds (40-50 kmph) very likely over the region during next 3 days and reduction thereafter.
- ❖ **Heavy to very heavy rainfall** very likely at isolated places over South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala on 02<sup>nd</sup> May, **heavy rainfall** at isolated places over Coastal Andhra Pradesh during 02<sup>nd</sup>-04<sup>th</sup>; South Interior Karnataka, Kerala & Tamil Nadu during 02<sup>nd</sup>-03<sup>rd</sup> and over Telangana & Rayalaseema on 02<sup>nd</sup> May.
- ❖ **Hailstorm** very likely at isolated places over Telangana on 02<sup>nd</sup> May.

**Northeast India:**

- ❖ Light/moderate fairly widespread to widespread rainfall with thunderstorm/lightning/gusty winds very likely over the region during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh during 02<sup>nd</sup>-05<sup>th</sup> May and over Assam & Meghalaya 02<sup>nd</sup>, 03<sup>rd</sup> & 05<sup>th</sup> May.

**West India:**

- ❖ Light isolated rainfall with thunderstorm/lightning very likely over the region during next 5 days.
- ❖ **Hailstorm** activity very likely at isolated places over Madhya Maharashtra and Marathawada on 02<sup>nd</sup> & 04<sup>th</sup> May.

**Maximum Temperatures, its Forecast and Heat Wave Warnings (Graphics in Annexure II):**

- ❖ Yesterday, Maximum Temperatures were below 37°C over most parts of the country. These are below normal by 3-6°C over most parts of the country
- ❖ Maximum temperatures are very likely to be below normal to near normal over the country during next 5 days.
- ❖ **No Heat wave conditions likely over any part of India during next 5 days.**

For more details kindly refer:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

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

**Impact expected and action suggested due to thunderstorm with lightning/gusty winds & Hailstorm:**

- ❖ 02<sup>nd</sup> May: Himachal Pradesh, Uttarakhand, Gangetic West Bengal

**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:**

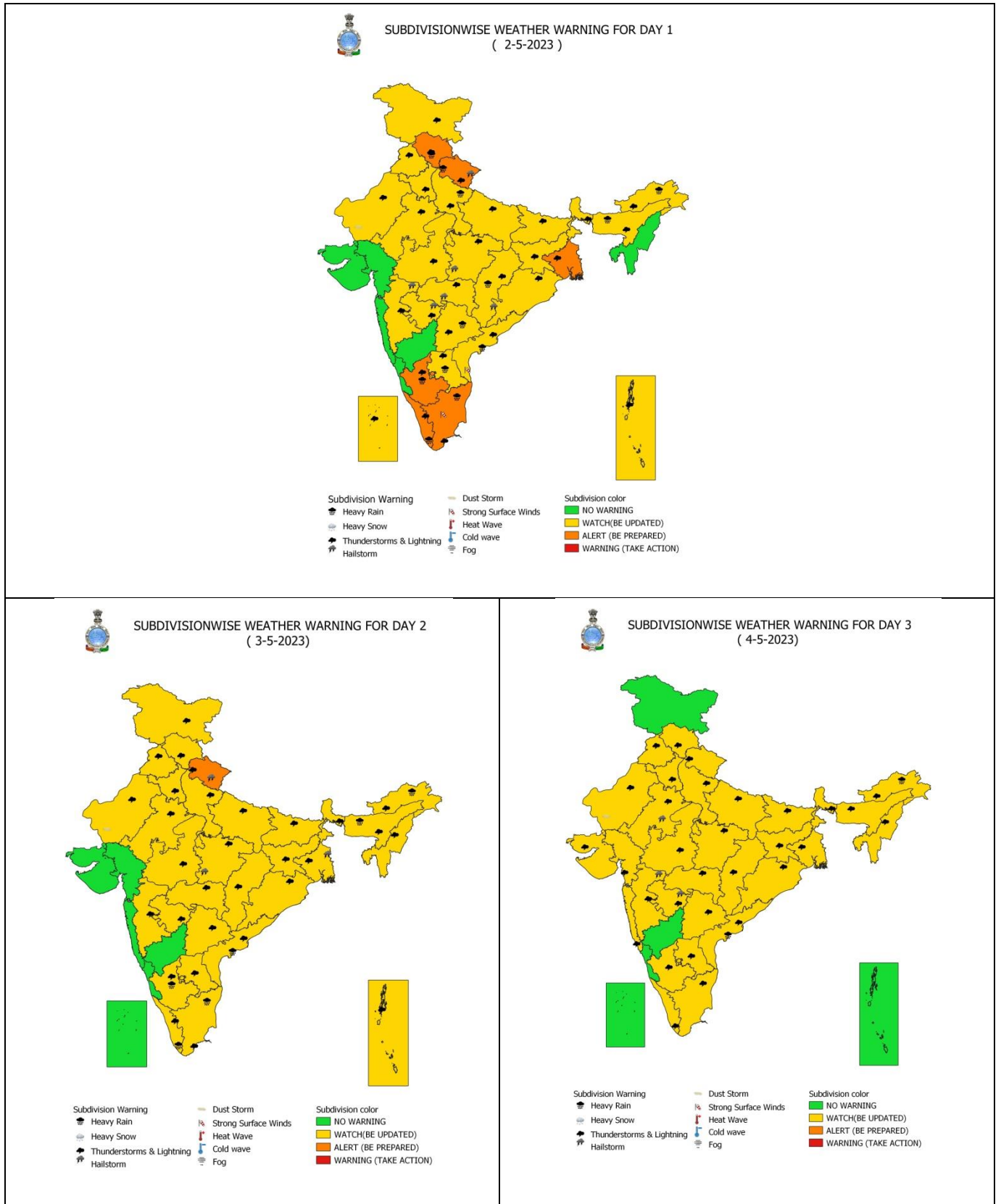
- ❖ Stay indoors, close windows & doors and avoid travel if possible.
- ❖ Take safe shelters; do not take shelter under trees.
- ❖ Do not lie on concrete floors and do not lean against concrete walls.
- ❖ Unplug electrical/ electronic appliances.
- ❖ Immediately get out of water bodies.
- ❖ Keep away from all the objects that conduct electricity.

**Agromet advisories for thunderstorms/lightning/gusty winds/ Hailstorm likely over various parts of the country:**

- ❖ Postpone harvesting of green gram and black gram in Tamilnadu; wheat in Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- ❖ Complete harvesting of matured rice in Kerala and Interior Karnataka during clear weather.
- ❖ Continue harvesting of matured maize, fruits, onion and other vegetables in Madhya Maharashtra, Marathwada and Vidarbha during clear weather.
- ❖ Keep the harvested produce of crops in safe places.
- ❖ Drain out excess water from crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Arunachal Pradesh, Assam & Meghalaya, Tamil Nadu, Kerala, South Interior Karnataka, Andhra Pradesh and Telangana.
- ❖ Use hail nets to protect orchards in Uttarakhand, East Madhya Pradesh, Chhattisgarh, Madhya Maharashtra, Marathwada, Vidarbha, Gangetic West Bengal and Telangana.
- ❖ Provide mechanical support to horticultural crops and staking to vegetables.

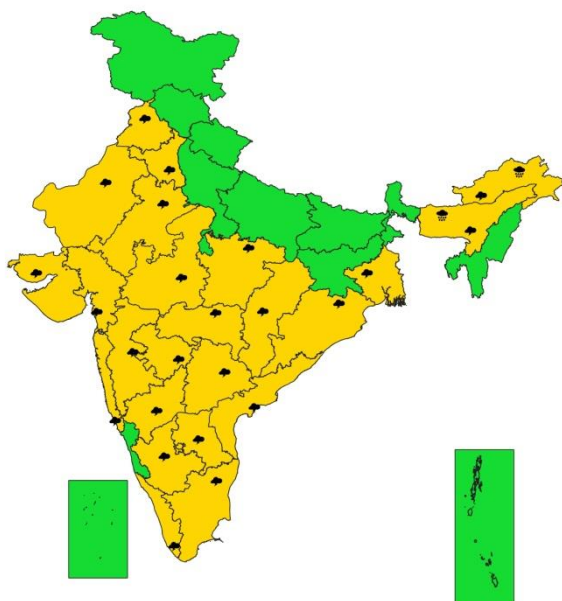
**Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):**

- ❖ **Rainfall/thundershowers observed: at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Arunachal Pradesh; **at many places** over West Bengal & Sikkim, Haryana, Chandigarh & Delhi, East Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Lakshadweep; **at a few places** over Punjab, Rajasthan, Vidarbha, Odisha, Andaman & Nicobar Islands, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, South Interior Karnataka, and **at isolated places** over West Rajasthan, Rayalaseema, Coastal & North Interior Karnataka, Gujarat state, Jharkhand, Madhya Maharashtra, Marathwada and Konkan & Goa.
- ❖ **Heavy to very heavy rainfall** at isolated places over Tamil Nadu and **heavy rainfall** at isolated places over East Madhya Pradesh, West Uttar Pradesh, Coastal Andhra Pradesh, Telangana, South Interior Karnataka, Kerala and Arunachal Pradesh.
- ❖ **Hailstorm Observed** at isolated places over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Madhya Maharashtra, Coastal Andhra Pradesh, Tamil Nadu.
- ❖ **Significant rainfall recorded (in cm):** **Tamil Nadu:** Vanamadevi (dist Cuddalore) 19, Sankaridurg (dist Salem) 17, Adirampatnam (dist Thanjavur) 15, Sattur (dist Virudhunagar) 14, Tiruchengode (dist Namakkal) , Tirukattupalli (dist Thanjavur) , Nandhiyar Head (dist Trichy) 13 each, Edapadi (dist Salem), Cincona (dist Coimbatore), Kamatchipuram (dist Dindigul), Mahabalipuram (dist Chengalpattu) 12 each, **Coastal Andhra Pradesh:** Sullurpeta (dist Tirupati) 9, Therlam (dist Vizianagaram) 8, Gudur (dist Tirupati) 7, **Telangana:** Atmakur Wnp (dist Wanaparthy) 8, Pebbair (dist Wanaparthy) 7, **Rayalaseema:** Nagari (dist Chittoor) 5, **Kerala:** Perumbavur (Ernakulam district) 10, Alathur (Palakkad district) 9, Neyyattinkara (Thiruvananthapuram district), Kumarakom (Kottayam district), Idukki & Kodungallur (Thrissur district) 7 each, **South Interior Karnataka:** Malur (dist Kolar) 9, Sargur (dist Mysuru) 7, **Himchal Prdaesh:** Kangra, Shimla-5 each, **Odisha:** Kandhamal-8, **Jammu & Kashmir:** Katra-5, Batote-4; **Himachal Pradesh:** Mandi-5, **Uttarakhand:** Champawat-6, **West Uttar Pradesh:** Bijnor-6, **Haryana:** Palwal (dist Palwal) 6, **West Rajasthan:** Naguar-5, **East Rajasthan:** Ajmer, Jhunjhunu, Sikar-4 each, **Bihar:** Siwan, Gaya-4 each; **East Madhya Pradesh:** Rithi (dist Katni) 9, Bijuri (dist Anuppur) 7, **Saurashtra:** Dhari (dist Amreli) 6, **Gujarat Region:** Daman-5.





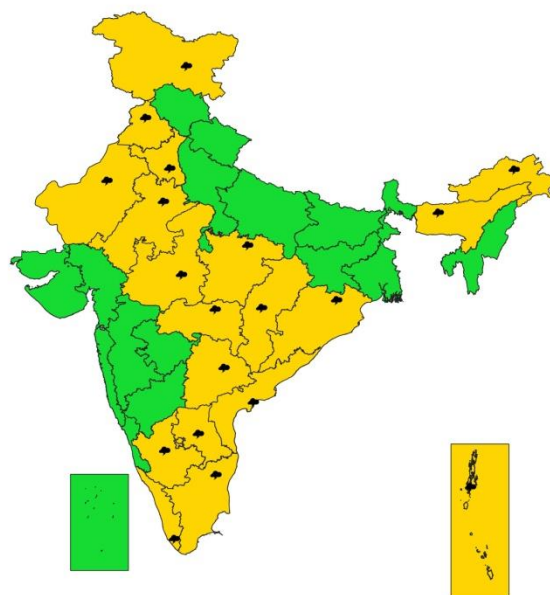
### SUBDIVISIONWISE WEATHER WARNING FOR DAY 4 ( 5-5-2023)



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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 ( 6-5-2023)
















- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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.

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