



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

SPECIAL MESSAGE NO. 5

TIME OF ISSUE: 1415 HOURS IST

DATED: 26.05.2023

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Subject: Present Active Western Disturbance likely to continue to affect Northwest India till today, 26th May, 2023.

Significant and Severe weather observed during past 24 hours ending at 0830 hrs IST of today: (Annexure I)

Significant Meteorological features:

- ❖ A Western Disturbance lies over West Uttar Pradesh & neighbourhood.
- ❖ A cyclonic circulation lies over north Pakistan & adjoining Jammu in lower tropospheric levels.
- ❖ These systems are likely to move across Northwest India till 26th May.
- ❖ It will be accompanied by moisture supply from Arabian Sea during the same period.

Forecast and warning over Northwest India during next 5 days:

- ❖ In association with above; Light/moderate rainfall at many places with thunderstorm, lightning & occasional gusty winds/squall very likely over Northwest India on 26th May and gradual reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over Uttarakhand and north Rajasthan on 26th May.
- ❖ **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over West Uttar Pradesh and Rajasthan on 26th May.
- ❖ **Heavy rainfall** very likely at isolated places over Rajasthan on 26th, 28th & 29th May.

Impact expected and action suggested due to thunderstorm with lightning/gusty winds & Hailstorm over southwest Uttar Pradesh and Rajasthan on 26th May.

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 kutch houses/walls and huts.
- Loose objects may fly.

Action suggested:

- Stay indoors, close windows & doors and avoid travel, if possible, during thunderstorms.
- 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.

**Dr. RK Jenamani
Scientist-G, NWFC**

For more details kindly refer:

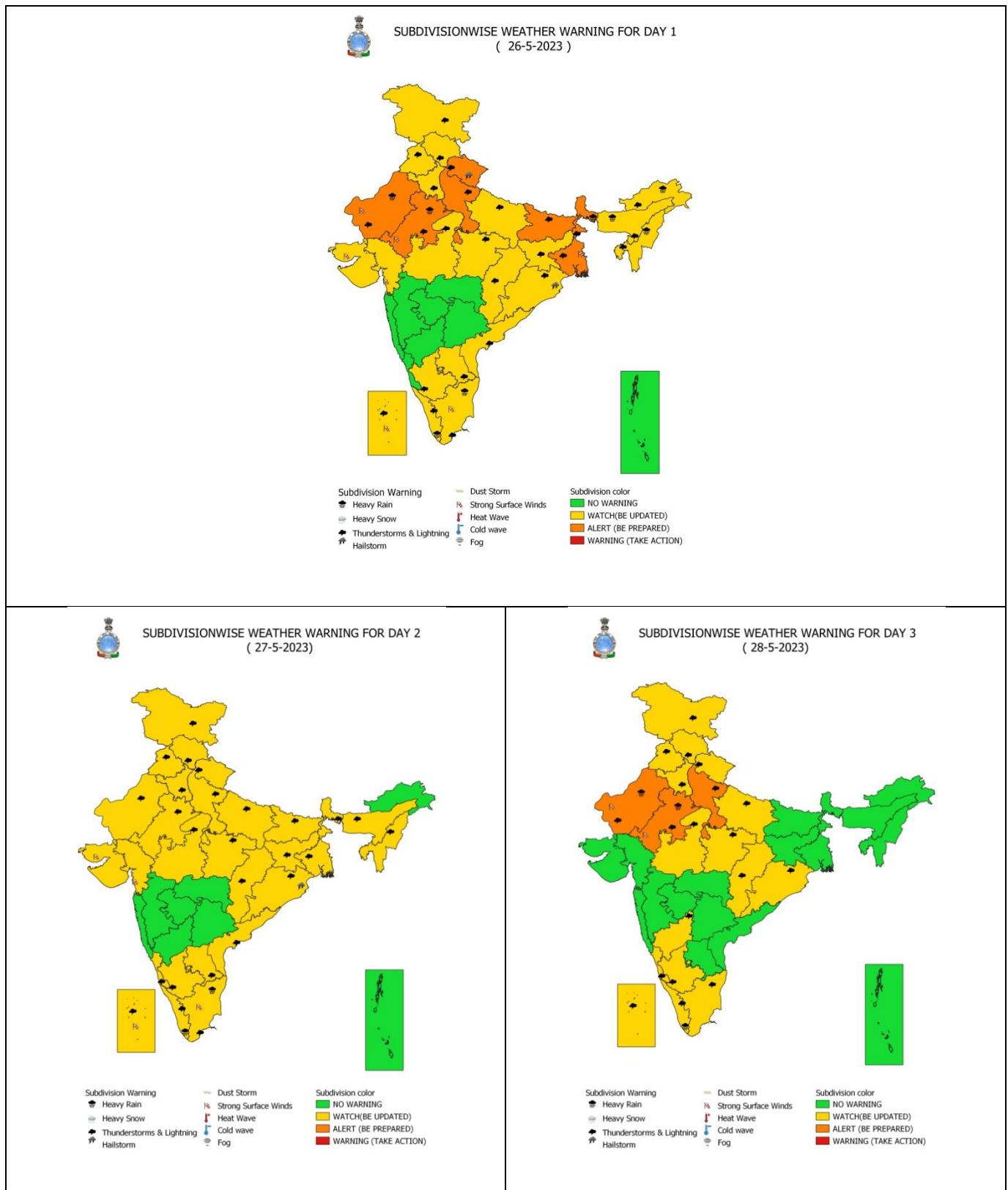
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

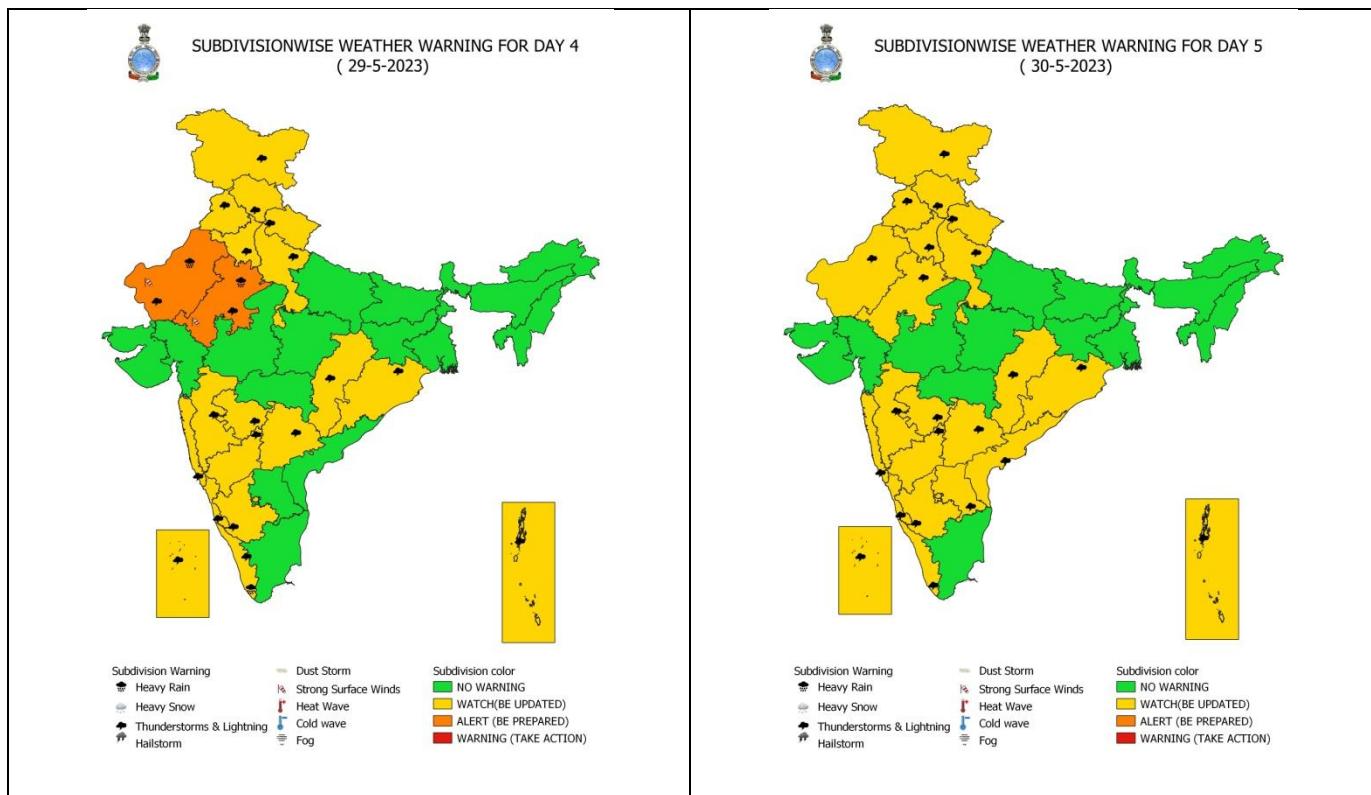
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

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; **at many places** over Punjab, Haryana, Chandigarh, Delhi and Rajasthan.
- **Significant rainfall recorded** (in cm): **West Rajasthan:** Makrana Sr (dist Nagaur) 8, Kolayat Magra (dist Bikaner) 7, Lunkaransar (dist Bikaner) 6, Parbatsar (dist Nagaur) 5, Nokha (dist Bikaner) 5, **East Rajasthan:** Jaipur Tehsil Sr (dist Jaipur) 6, Malpura (dist Tonk) 5, Lachmangarh (dist Sikar) 5, Pilani (dist Jhunjhunu) 5, Bonli (dist Sawai Madhopur) 5, Hindaun (dist Karauli) 5, Sambhar Sr (dist Jaipur) 5, Chaksu (dist Jaipur) 5, Chomu (dist Jaipur) 5 **Himachal Pradesh:** Solan-5, Bilaspur-3; **Uttarakhand:** Champawat-4, Haldwani-3, **Uttar Pradesh:** Balrampur, Kannuaj, Rampur-4 each; **Punjab:** Gurudaspur (dist Gurdaspur) 3, Gurdaspur Amfu (dist Gurdaspur) 2; **Haryana:** Kanina (dist Mahendragarh) 3, Rewari (dist Rewari) 2.
- **Heavy Rainfall** observed at isolated places over West Rajasthan
- **Hailstorm** observed at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, West Uttar Pradesh and Rajasthan.
- **Squally Winds speed reaching 60-70 kmph** prevailed at isolated places over Punjab and Rajasthan.
- **Gusty winds** observed in some places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi and Uttar Pradesh.
- **Duststorm** observed at isolated places over Rajasthan.

Warning Graphics





Impact expected and action suggested due to isolated thundersquall with lightning/gusty winds & Hailstorm over

- ✓ **26th May:** Uttarakhand, Uttar Pradesh, Rajasthan
- ✓ **28th & 29th May:** Rajasthan

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:

- ❖ **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 Widespred (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