



Government of India
Ministry of Earth Sciences
India Meteorological Department

SPECIAL MESSAGE NO. 4

TIME OF ISSUE: 1345 HOURS IST

DATED: 25.05.2023

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

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Subject: Present Active Western Disturbance to affect Northwest India till 26th May

**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 Jammu & neighbourhood.
- ❖ A cyclonic circulation lies over north Pakistan & adjoining Punjab 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 to moderate rainfall at most places with thunderstorm, lightning & occasional gusty winds/squall very likely over Western Himalayan Region and rainfall at many places with thunderstorm, lightning & occasional gusty winds/squall very likely

over plains of Northwest India till 26th May with maximum intensity on 25th May.

- ❖ **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over Uttarakhand, Punjab, Haryana-Chandigarh, Uttar Pradesh and north Rajasthan on 25th May.
- ❖ **Moderate to heavy rainfall** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab and north Rajasthan on 25th May.
- ❖ **Hailstorm** very likely at isolated places over Jammu division, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, Uttar Pradesh and north Rajasthan on 25th May.

Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over Northwest India on 25th 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 kutcha 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
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For more details kindly refer:

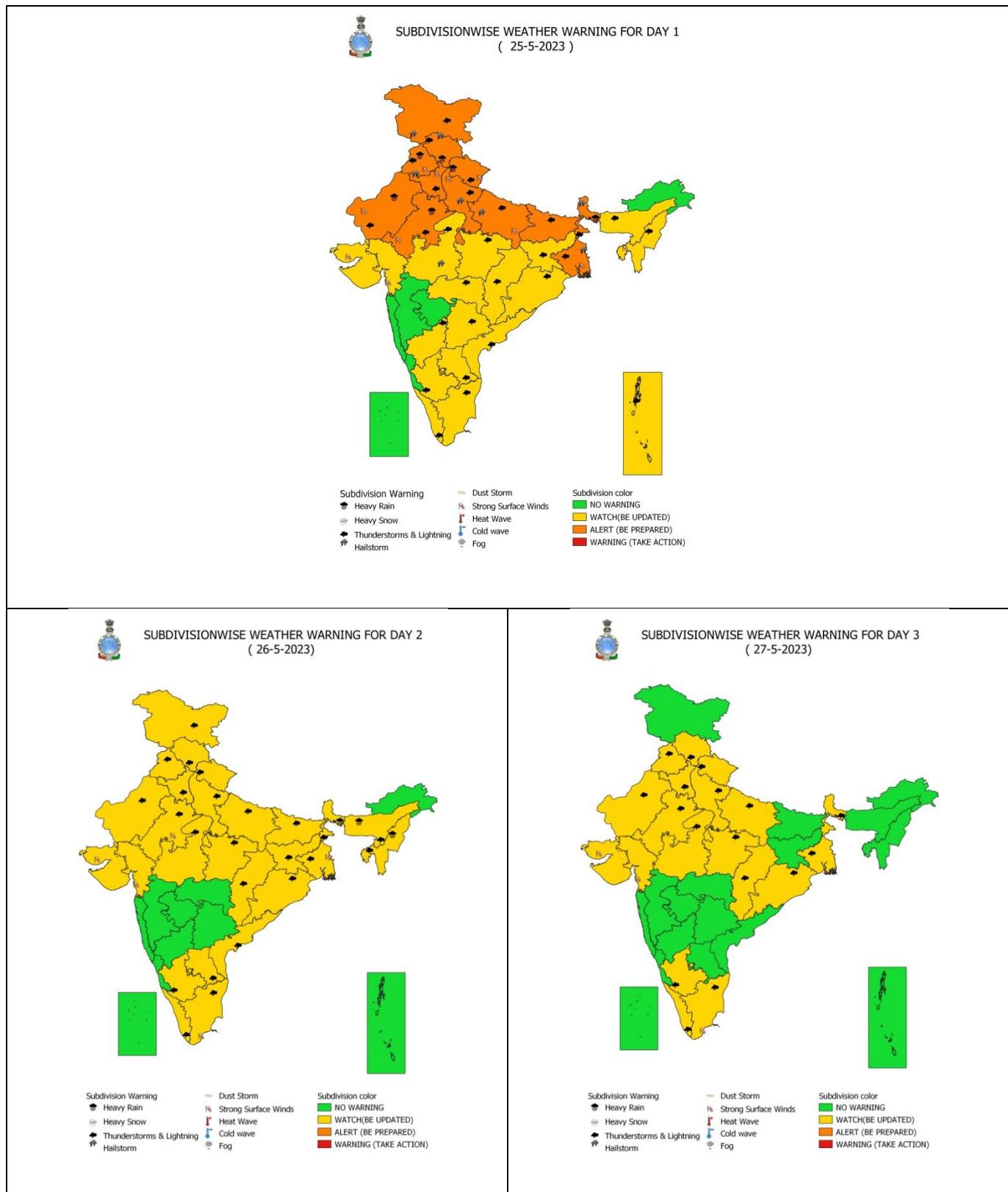
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

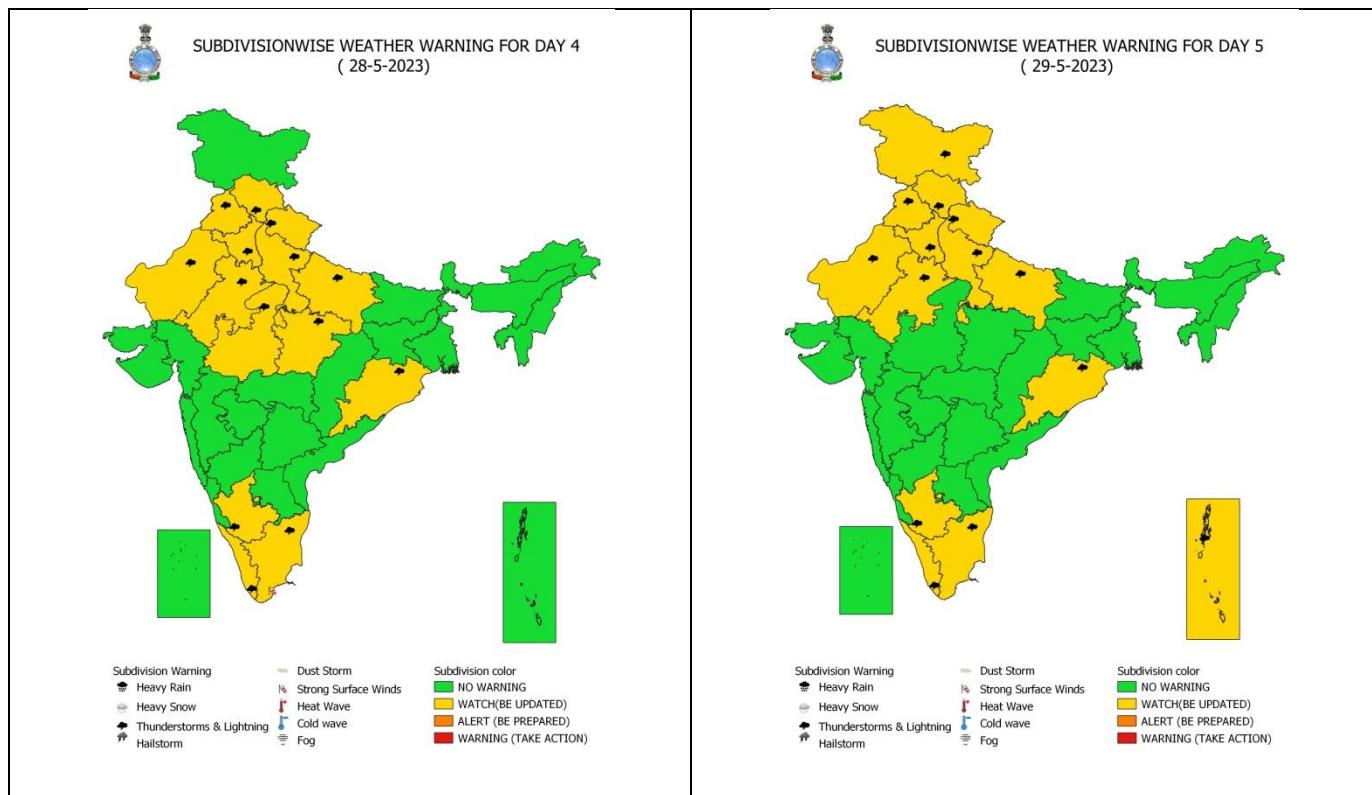
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

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, Punjab; **at many places** over Haryana, Chandigarh, West Rajasthan, East Uttar Pradesh and **at a few places** over West Uttar Pradesh and East Rajasthan.
- **Significant rainfall recorded** (in cm): **West Rajasthan:** Churu-10, nagaur-9, Bikaner-6, **East Rajasthan:** Sikar-7; **Punjab:** Ballowal Saunkri (dist Sbs Nagar) 8, Balachaur Aws (dist Sbs Nagar) 7, Aurphambra Road Arg (dist Sbs Nagar) 5, Balachaur (dist Sbs Nagar) 5, Ropar Kvk Aws (dist Rupnagar) 5; **Himachal Pradesh:** Solan-7, Mandi, Kangra, Simla, Una, Chamba-5 each, Bilaspur, Sirmaur-4 each; **Uttarakhand:** Pandukeshwar-6, Ranichwari, Koti, Barkot-3 each; **Jammu & Kashmir:** Batote (dist Ramban) 4, Raj Pura Arg (dist Poonch) 4, Banihal (dist Ramban) 3, **Uttar Pradesh:** Bareilly-4, Bahrach-3, **Haryana, Chandigarh:** Chandigarh Aws (dist Chandigarh) 2, Naraingarh (dist Ambala) 2, Chandigarh (dist Chandigarh) 2, Indri (dist Karnal) 2,
- **Heavy Rainfall** observed at isolated places over Rajasthan, Himachal Pradesh and Punjab.
- **Hailstorm** observed at isolated places over Jammu, Himachal Pradesh, Uttarakhand and Rajasthan.
- **Squally winds (upto 65-90 kmph)** also reported from isolated pockets over Rajasthan, Punjab, Chandigarh.

Warning Graphics





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