



Government of India
Ministry of Earth Sciences
India Meteorological Department

SPECIAL MESSAGE NO. 3

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

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Subject: Active Western Disturbance to affect Northwest India till 26th May, with peak intensity on 24th & 25th May, 2023.

Weather observed during past 24 hours ending at 0830 hrs IST of today: ([Annexure I](#))

Significant Meteorological features:

- ❖ A Western Disturbance lies over Afghanistan & neighbourhood.
- ❖ A cyclonic circulation lies over north Pakistan & adjoining Punjab in lower tropospheric levels.
- ❖ These systems are likely to move across Northwest India during 24th to 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 mainly from 24th to 26th May with maximum intensity on 24th & 25th May.

- ❖ **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and north Rajasthan on 24th & 25th May.
- ❖ **Heavy rainfall** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh and northeast Rajasthan on 24th and **moderate to heavy rainfall** over Uttarakhand, Punjab, Haryana, Chandigarh, West Uttar Pradesh on 25th May.
- ❖ **Hailstorm** very likely at isolated places over Uttarakhand, Punjab, Haryana-Chandigarh, West Uttar Pradesh and north Rajasthan on 24th & 25th; over Himachal Pradesh on 24th May.
- ❖ **Duststorm/Thunderstorm** with gusty winds (40-50 kmph) likely over Rajasthan during 24th to 26th May, 2023.
- ❖ **Strong Surface winds** (speed 25-35 kmph) very likely over plains of northwest India during 24th to 25th May.

Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over Northwest India on 24th & 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:

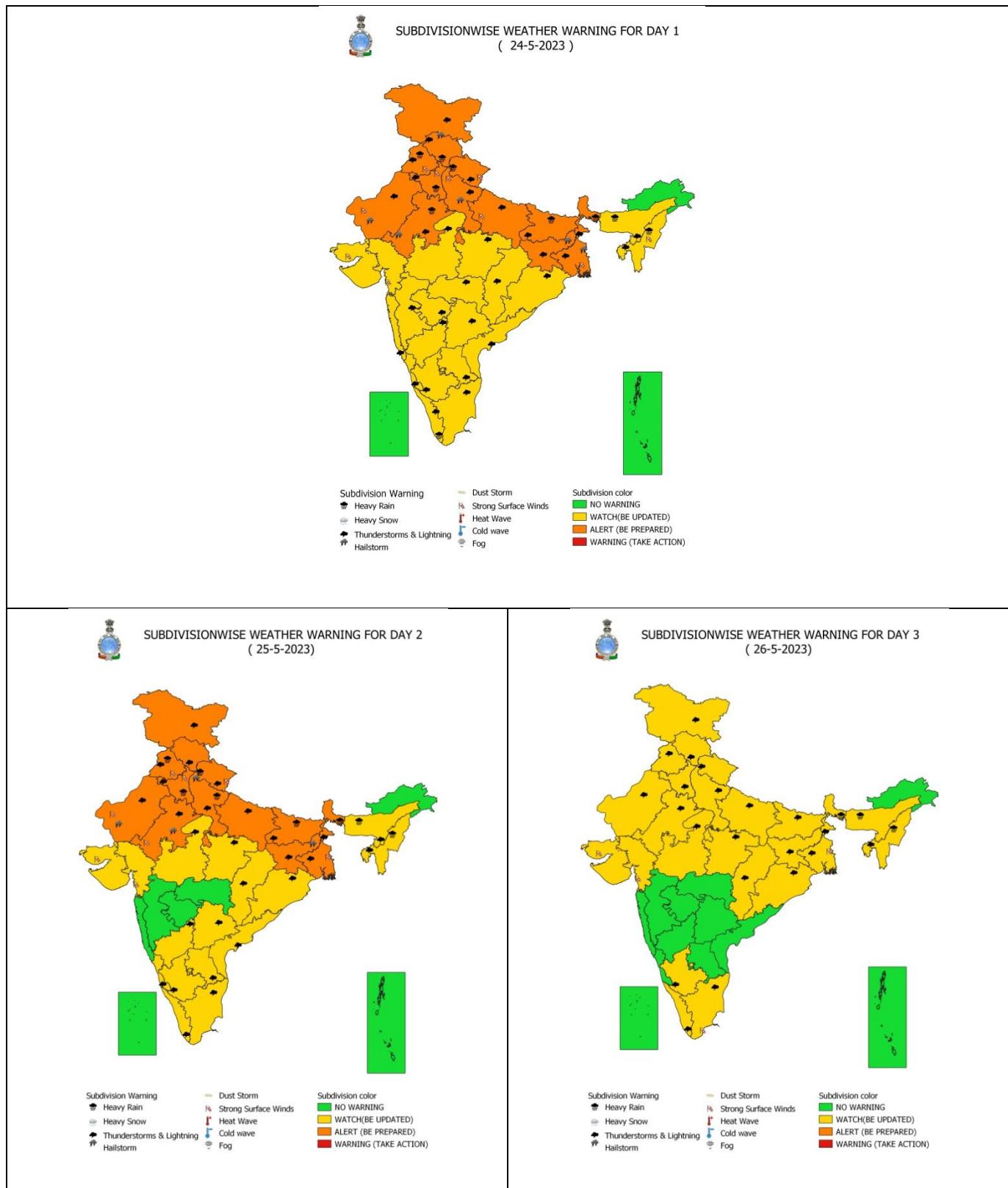
https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

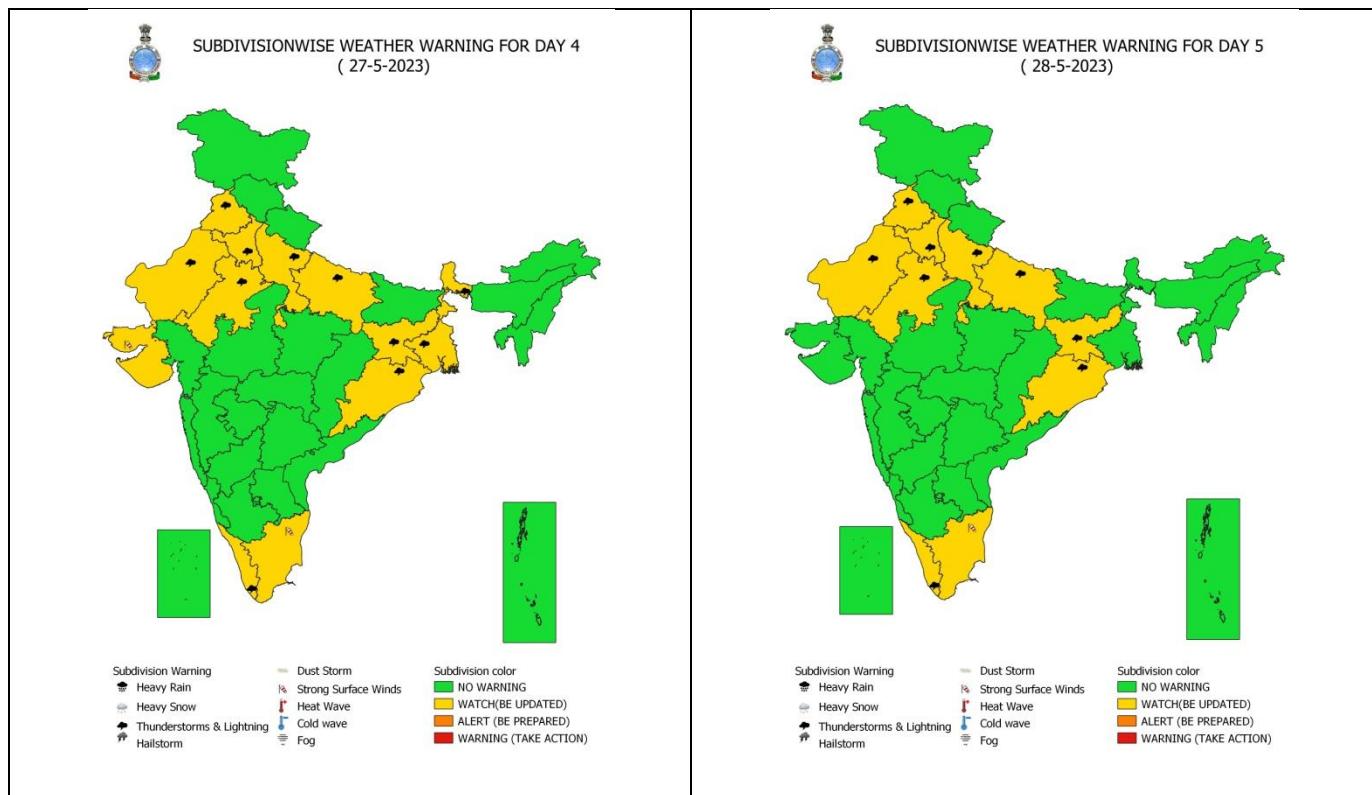
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

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, Uttarakhand; **at many places** over Himachal Pradesh; **at a few places** over Punjab, Haryana, Chandigarh, West Uttar Pradesh and **at isolated places** over East Uttar Pradesh and Rajasthan.
- **Significant rainfall recorded** (in cm): **Himachal Pradesh:** Sirmaur-5, **Uttarakhand:** Uttarkashi-4, Dhanaulti-3; **Rajasthan:** Sikrai (dist Dausa) 5, Nohar Sr (dist Hanumangarh) 4, **Jammu & Kashmir:** Pahalgam Aws (dist Anantnag) 3, Nowgam (dist Kupwara) 3, **East Uttar Pradesh:** Kheri-4, **Haryana:** Dadupur (dist Yamuna Nagar) 4, Jagadhari (dist Yamuna Nagar) 4, Chhachhrauli (dist Yamuna Nagar) 3, Shivan Rev (dist Kaithal) 3, **Punjab:** Samana (dist Patiala) 3, Amloh Arg (dist Fatehgarh Sahib) 3, Amloh (dist Fatehgarh Sahib) 3.
- **Hailstorm** observed at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh and West Rajasthan.

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