



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

**SPECIAL MESSAGE NO. 3**

**TIME OF ISSUE: 1315 HOURS IST**

**DATED: 24.05.2023**

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

**TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)**

**CONTROL ROOM NDMA (FAX.NO. 26701729)**

**CABINET SECRETARIAT (FAX.NO.23012284, 23018638)**

**PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)**

**SECRETARY, MOES (FAX NO. 24629777)**

**H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)**

**DIRECTOR GENERAL, DOORDARSHAN (23385843)**

**DIRECTOR GENERAL, AIR (23421105, 23421219)**

**PIB MOES (FAX NO. 23389042)**

**UNI (FAX NO. 23355841)**

**D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)**

**DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)**

**CHIEF SECRETARY, GOVT. OF JAMMU & KASHMIR (FAX NO. 0194-2472825, 0191-2479909, 2473778, 0191-2506048)**

**CHIEF SECRETARY, GOVT. OF LADAKH**

**CHIEF SECRETARY, GOVT. OF HIMACHAL PRADESH (FAX NO. 0177-2647172)**

**CHIEF SECRETARY, GOVT. OF UTTARAKHAND (FAX NO. 05942-239114, 237642, 0135-2710199, 2710334, 2710335, 2710233)**

**CHIEF SECRETARY, GOVT. OF PUNJAB (FAX NO. 2793588-91)**

**CHIEF SECRETARY, GOVT. OF HARYANA (FAX NO. 95-124-2340413, 2348452)**

**CHIEF SECRETARY, GOVT. OF CHANDIGARH**

**CHIEF SECRETARY, GOVT. OF DELHI (FAX NO. 22308556)**

**CHIEF SECRETARY, GOVT. OF UTTAR PRADESH (FAX NO. 0522-2386747)**

**CHIEF SECRETARY, GOVT. OF RAJASTHAN (FAX NO. 0141-2705420, 2702542)**

**Subject: Active Western Disturbance to affect Northwest India till 26<sup>th</sup> May, with peak intensity on 24<sup>th</sup> & 25<sup>th</sup> 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 24<sup>th</sup> to 26<sup>th</sup> 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 24<sup>th</sup> to 26<sup>th</sup> May with maximum intensity on 24<sup>th</sup> & 25<sup>th</sup> 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 24<sup>th</sup> & 25<sup>th</sup> May.
- ❖ **Heavy rainfall** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh and northeast Rajasthan on 24<sup>th</sup> and **moderate to heavy rainfall** over Uttarakhand, Punjab, Haryana, Chandigarh, West Uttar Pradesh on 25<sup>th</sup> May.
- ❖ **Hailstorm** very likely at isolated places over Uttarakhand, Punjab, Haryana-Chandigarh, West Uttar Pradesh and north Rajasthan on 24<sup>th</sup> & 25<sup>th</sup>; over Himachal Pradesh on 24<sup>th</sup> May.
- ❖ **Duststorm/Thunderstorm** with gusty winds (40-50 kmph) likely over Rajasthan during 24<sup>th</sup> to 26<sup>th</sup> May, 2023.
- ❖ **Strong Surface winds** (speed 25-35 kmph) very likely over plains of northwest India during 24<sup>th</sup> to 25<sup>th</sup> May.

**Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm** over Northwest India on 24<sup>th</sup> & 25<sup>th</sup> 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**  
**Scientist-G, NWFC**

For more details kindly refer:

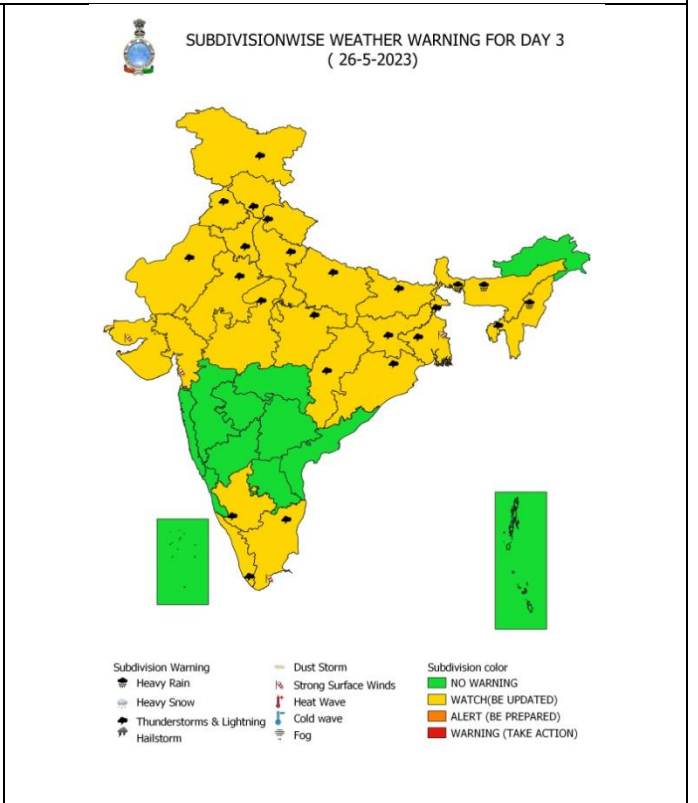
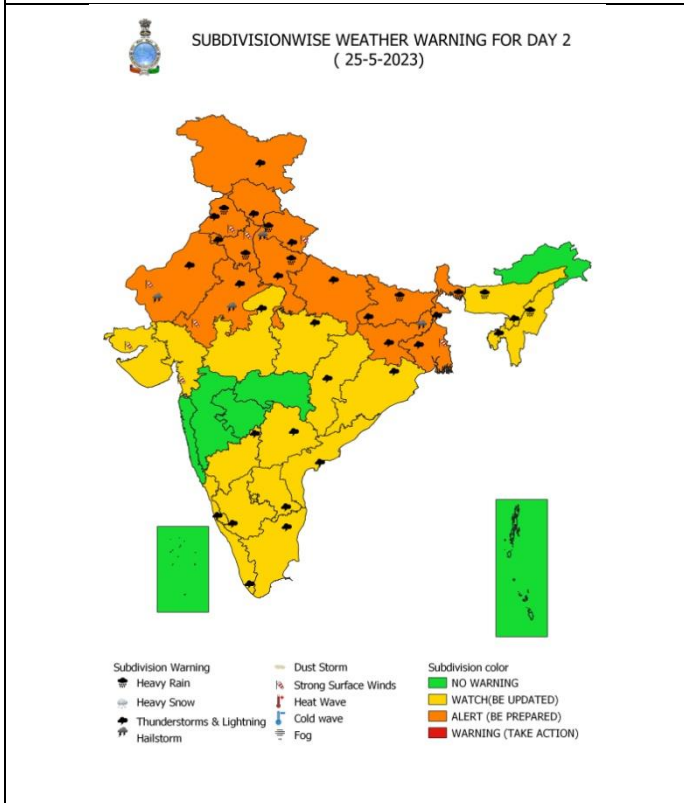
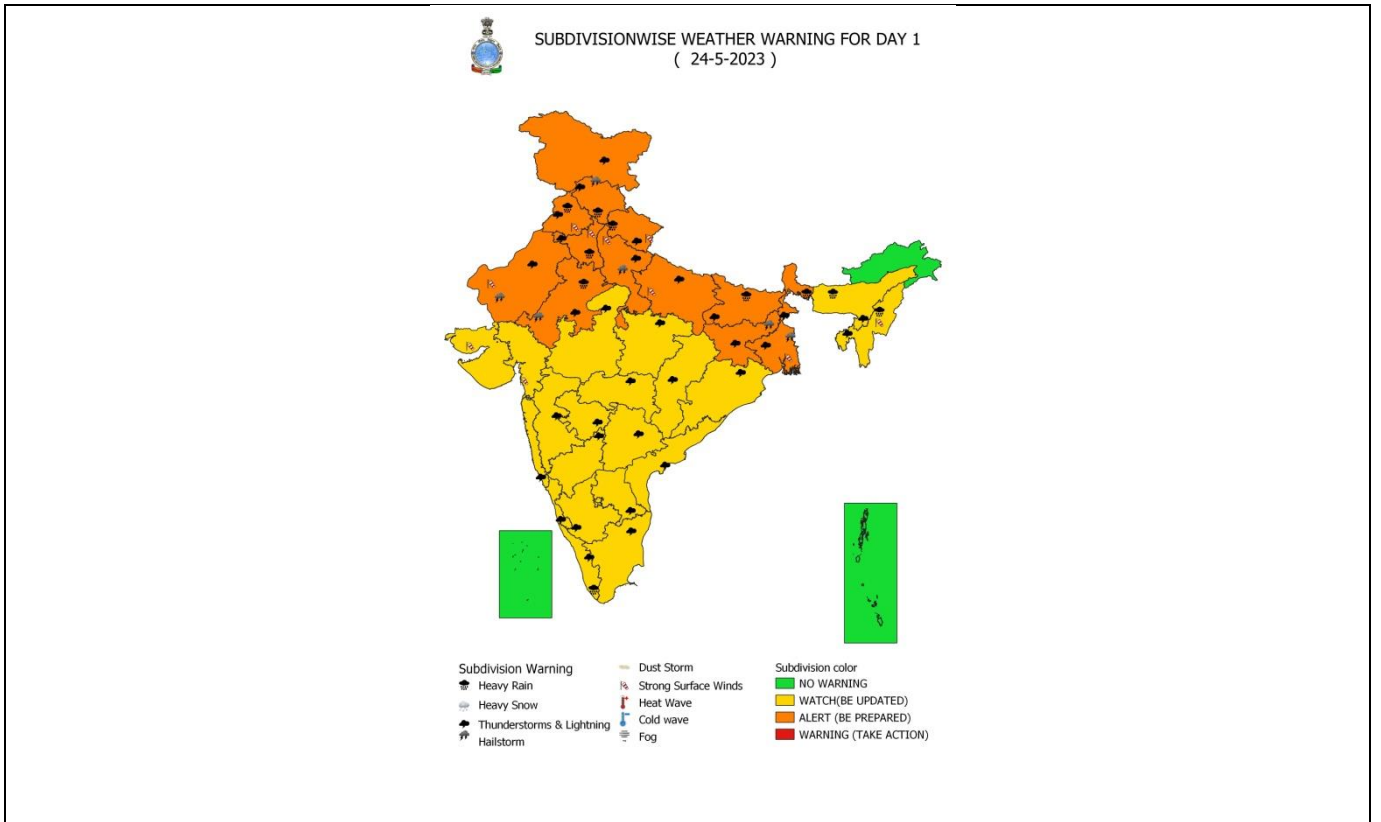
[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

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

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

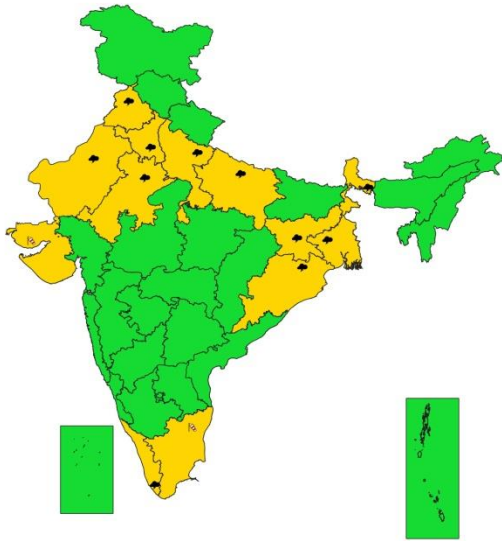
- **Rainfall/thundershowers** observed **at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand; **at many places** over Himachal Pradesh; **at a few places** over Punjab, Haryana, Chandigarh, West Uttar Pradesh and **at isolated places** over East Uttar Pradesh and 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, Amlah Arg (dist Fatehgarh Sahib) 3, Amlah (dist Fatehgarh Sahib) 3.
- **Hailstorm** observed at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh and West Rajasthan.

## Warning Graphics





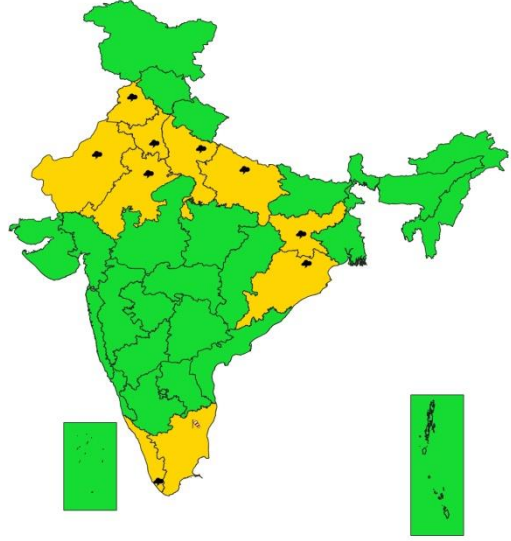
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 27-5-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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)      |
| Hallstorm                  | Fog                  | WARNING (TAKE ACTION)    |



**SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
( 28-5-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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)      |
| Hallstorm                  | 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