



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

**Press Release
Date: 25th May, 2023
Time of Issue: 1345 hours IST**

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

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

Advance of southwest monsoon:

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 5°N/85°E, 6.5°N/90°E, Nancowry and 10°N/98°E (**Annexure II**).
- ❖ Conditions are favourable for further advance of southwest monsoon into some more parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands during next 2 days.

Significant Meteorological features:

- ❖ A cyclonic circulation lies over north Pakistan & adjoining Punjab in lower tropospheric levels.
- ❖ A Trough runs from northwest Uttar Pradesh to south Bangladesh 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 to northwest India during the same period.
- ❖ A trough runs from southeast Madhya Pradesh to Coastal Karnataka in lower tropospheric levels.
- ❖ Strong southwesterly winds from Bay of Bengal to northeast India are prevailing at lower tropospheric levels.

Forecast and warning over the country during next 5 days:

Northwest India:

- ❖ Light/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.

Northeast India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely to continue over Assam & Meghalaya and Mizoram & Tripura during next 2 days.
- ❖ **Heavy rainfall** at isolated places over Assam & Meghalaya and Mizoram & Tripura on 26th May, 2023.

East India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over West Bengal & Sikkim, Bihar and Jharkhand during next 2 days.
- ❖ **Heavy rainfall** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 25th & 26th May.
- ❖ **Hailstorm** very likely at isolated places over West Bengal & Sikkim on 25th May.
- ❖ **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over Gangetic West Bengal on 25th May.

No significant weather likely over remaining parts of the country during next 5 days.

Observed Maximum Temperatures and Heat Wave conditions:

- ❖ Yesterday, Maximum Temperatures were in the range of 40-43°C over many parts of Vidarbha, south Madhya Pradesh, Chhattisgarh, Odisha, Telangana, Rayalaseema; some parts of Gujarat state, Southeast Rajasthan, southeast Uttar Pradesh, Jharkhand, Coastal Andhra Pradesh and below 40°C over rest parts of the country.
- ❖ Maximum Temperatures were below normal by 3-5°C over parts of Western Himalayan Region & adjoining plains of Northwest India, West Bengal, Bihar and below normal by 2-3°C over parts of north Odisha and near normal over rest parts of the country.

Maximum Temperature Forecast and Heat Wave Warnings (Graphics in Annexure III):

- ❖ Fall in maximum temperatures by 2-3°C very likely over Northwest India during next 3 days and no significant change thereafter. No significant change in maximum temperature very likely over rest parts of the country during next 5 days.
- ❖ Due to humid air & high temperature, **Hot and Discomfort weather** is very likely over west Odisha, Chhattisgarh and East Madhya Pradesh on 25th & 26th May, 2023.

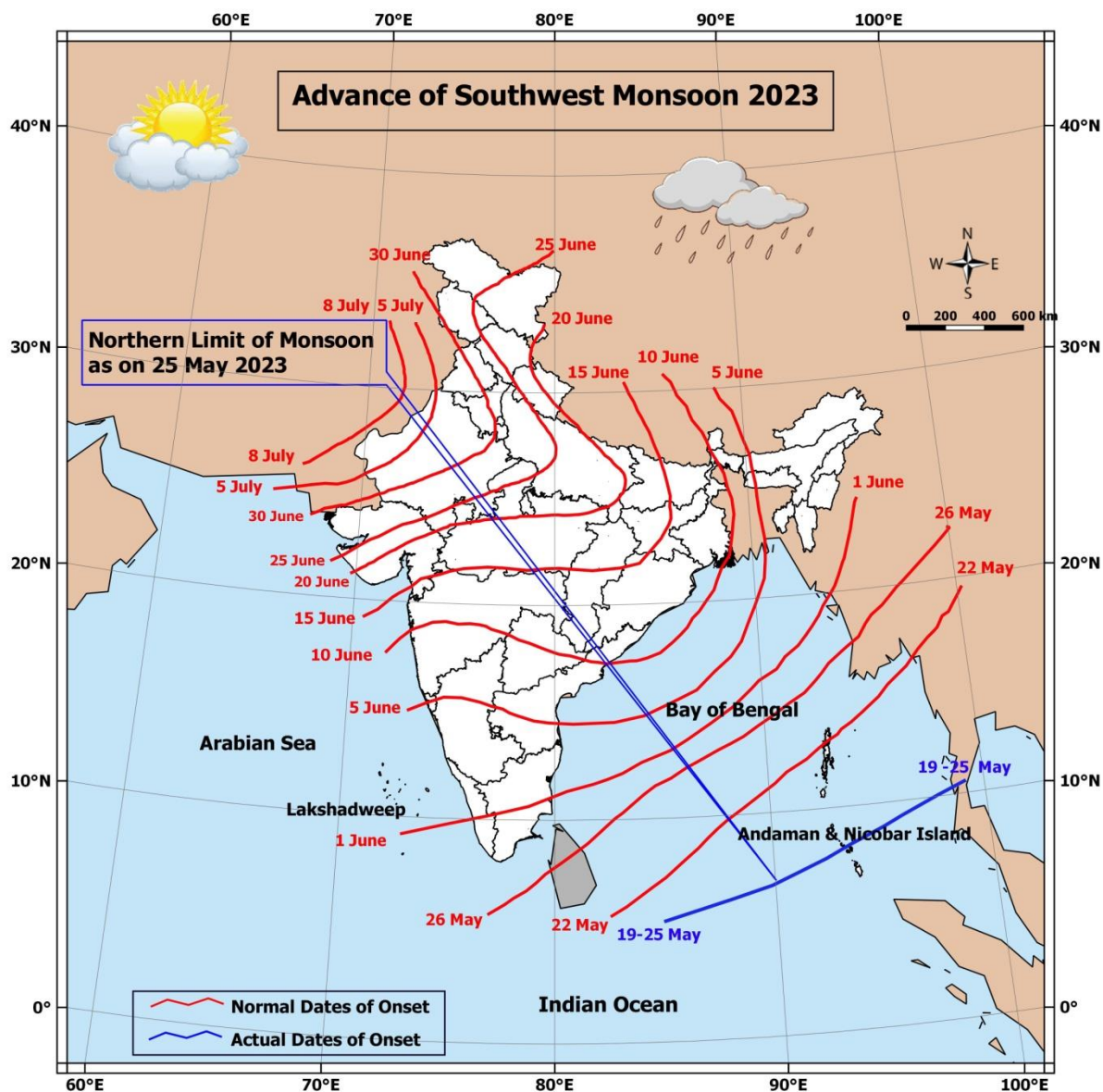
For more details kindly refer:

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

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

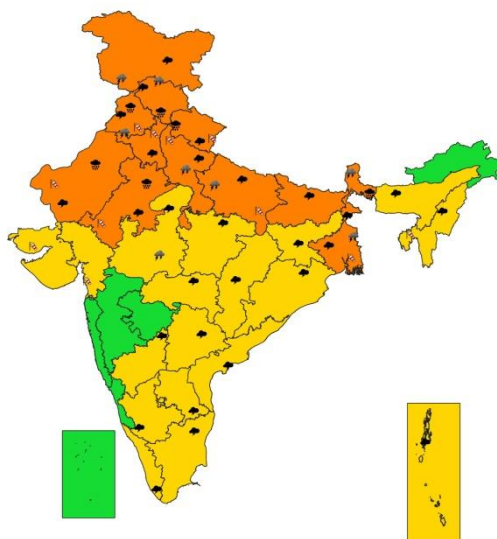
Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers** observed **at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab; **at many places** over Sub-Himalayan West Bengal & Sikkim, East Uttar Pradesh, Haryana, Chandigarh & Delhi, West Rajasthan; **at a few places** over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, West Uttar Pradesh, East Rajasthan, Gangetic West Bengal, Odisha South Interior Karnataka, Kerala & Mahe, Lakshadweep; **at isolated places** over Jharkhand, Bihar, Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Coastal & North Interior Karnataka, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **Heavy Rainfall** observed at isolated places over Rajasthan, Himachal Pradesh, Punjab and South Interior Karnataka.
- **Significant rainfall recorded** (in cm): **Tamil Nadu:** K.Paramathi (dist Karur) 5, Chinnakalar (dist Coimbatore) 4, **Kerala:** Kozhikode, Vadakara (Kozhikode district), Mangalam Dam AWS (Palakkad district) & Urumi AWS (Kozhikode district) 3 each, **South Interior Karnataka:** B Durga (dist Chitradurga) 7, Napoklu (dist Kodagu) 6; **Rayalaseema:** Kondapuram (dist Ysr District) 6, **Odisha:** Patrapur (dist Ganjam) 4, Bandhugaon (dist Koraput) 3, Chandbali (dist Bhadrak) 3; **Nagaland, Manipur, Mizoram & Tripura:** Wokha (dist Wokha) 4, Zunheboto (dist Zunheboto) 4, Kohima (dist Kohima) 4, **Assam & Meghalaya:** Jia Bharali N T Xing (dist Shonitpur) 6, **Himachal Pradesh:** Solan-7, Mandi, Kangra, Simla, Una, Chamba-5 each, Bilaspur, Sirmaur-4 each; **Uttarakhand:** Pandukeshwar-6, Ranichwari, Koti, Barkot-3 each; **West Rajasthan:** Churu-10, nagaur-9, Bikaner-6, **East Rajasthan:** Sikar-7; **Jammu & Kashmir:** Batote (dist Ramban) 4, Raj Pura Arg (dist Poonch) 4, Banihal (dist Ramban) 3, **Uttar Pradesh:** Bareilly-4, Bahraich-3, **Punjab:** Ballawal 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; **Sikkim:** West Sikkim-4.
- **Hailstorm** observed at isolated places over Jammu division, Himachal Pradesh, Uttarakhand, Rajasthan, Odisha, West Madhya Pradesh and Coastal Andhra Pradesh.
- **Squally Winds speed reaching 60-70 kmph** prevailed at isolated places over Punjab, Chandigarh and East Rajasthan.





SUBDIVISIONWISE WEATHER WARNING FOR DAY 1 (25-5-2023)



Subdivision Warning

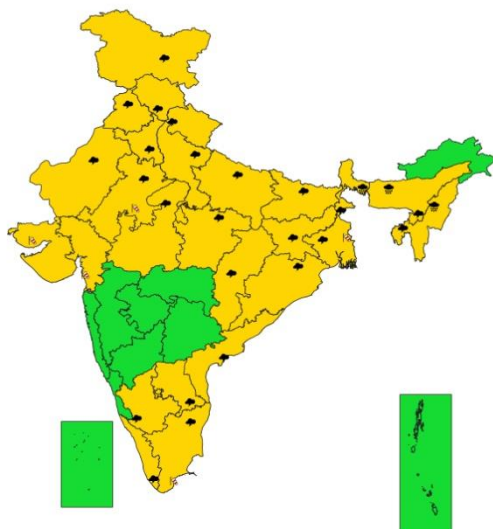
- ☁ Heavy Rain
- ❄ Heavy Snow
- ⚡ Thunderstorms & Lightning
- ⚡ Hailstorm
- ☁ Dust Storm
- 🌪 Strong Surface Winds
- 🔥 Heat Wave
- ❄ Cold wave
- 🌫 Fog

Subdivision color

- 🟢 NO WARNING
- 🟡 WATCH (BE UPDATED)
- 🟠 ALERT (BE PREPARED)
- 🔴 WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 2 (26-5-2023)



Subdivision Warning

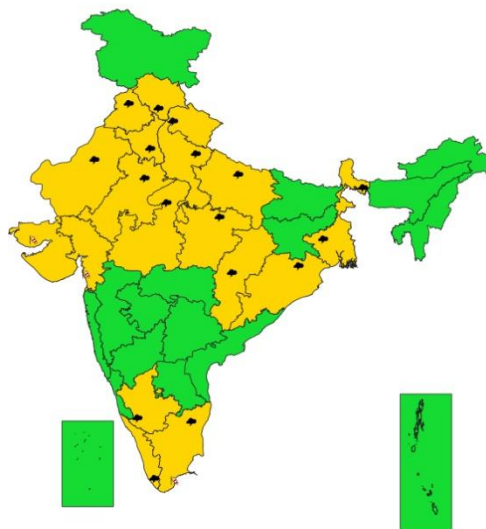
- ☁ Heavy Rain
- ❄ Heavy Snow
- ⚡ Thunderstorms & Lightning
- ⚡ Hailstorm
- ☁ Dust Storm
- 🌪 Strong Surface Winds
- 🔥 Heat Wave
- ❄ Cold wave
- 🌫 Fog

Subdivision color

- 🟢 NO WARNING
- 🟡 WATCH (BE UPDATED)
- 🟠 ALERT (BE PREPARED)
- 🔴 WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3 (27-5-2023)



Subdivision Warning

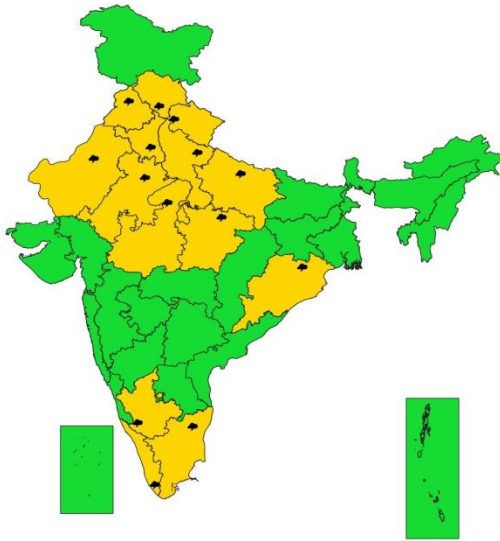
- ☁ Heavy Rain
- ❄ Heavy Snow
- ⚡ Thunderstorms & Lightning
- ⚡ Hailstorm
- ☁ Dust Storm
- 🌪 Strong Surface Winds
- 🔥 Heat Wave
- ❄ Cold wave
- 🌫 Fog

Subdivision color

- 🟢 NO WARNING
- 🟡 WATCH (BE UPDATED)
- 🟠 ALERT (BE PREPARED)
- 🔴 WARNING (TAKE ACTION)



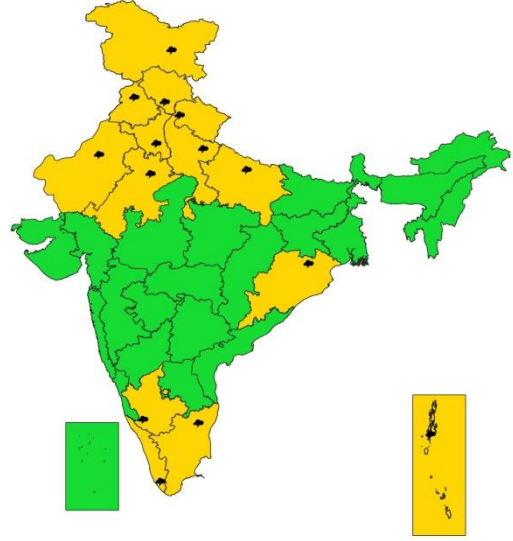
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(28-5-2023)



- | | | |
|-----------------------------|------------------------|-------------------------|
| 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) |



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(29-5-2023)



- | | | |
|-----------------------------|------------------------|-------------------------|
| 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) |

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

✓ **25th May:** Jammu, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, West Bengal & Sikkim, Bihar

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 rainfall, thunderstorms/gusty winds and heat wave likely over various parts of the country (Based on the IBF and advisories issued by different AMFUs and DAMUs)

- Make necessary arrangement for draining out excess water from crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, North Rajasthan, Sub-Himalayan West Bengal & Sikkim and Assam.
- Provide mechanical support to horticultural crops and staking to vegetables.
- Use hail nets to protect orchards in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, Rajasthan, West Bengal, Sikkim and West Madhya Pradesh.














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