



Dated: 19.02.2025

Time of Issue: 14:45 IST

PRESS RELEASE

Subject: Wet spell very likely over Himachal Pradesh during mid night of 19th to forenoon of 21st Feb. 2025 with isolated heavy rain/snowfall on 20th Feb. 2025.

Weather System

- A Western Disturbance as a trough in middle tropospheric level roughly along Long. 55°E to the north of Lat. 32°N. It is very likely to move east-northeastwards. Under the influence of this western disturbance and other favourable atmospheric conditions:
- Widespread **rainfall/snowfall** activity accompanied with **thunderstorm, lightning** and very likely over Himachal Pradesh **during mid night of 19th to forenoon of 21st Feb. 2025 with isolated heavy rain/snowfall on 20th Feb. 2025.**

❖ Rainfall/Snowfall:

1. *Light **snowfall** at many places with few spells of moderate snowfall very likely in the districts Lahaul-Spiti, Kinnaur and over the higher reaches of Kangra, Chamba, Shimla, Kullu, Mandi, Sirmaur and Kullu districts from mid night 20th Feb. 2025 till forenoon of 21st Feb. 2025.*
2. **Isolated heavy rain/snow falls very likely over Chamba, Kangra, Kullu and Mandi districts on 20th Feb. 2025. (Orange Alert)**
3. *Light rainfall over many places with few spells of moderate rainfall accompanied with thunderstorm & lightning very likely in the districts of Solan, Hamirpur, Bilaspur & Una and in the remaining parts of Kangra, Chamba, Shimla, Mandi, Sirmaur and Kullu districts from mid night 20th Feb. 2025 till morning of 21st Feb. 2025.*
4. *Few spells of light snowfall with one or two moderate spells very likely over most of the **tourist destinations in the state including Kufri, Narkanda, Manali, Solang Valley, Dalhousie and Sissu & adjoining areas** and few spells of light rain/ snowfall over Shimla City & adjoining areas on 20th Feb. 2025.*

Moderate/heavy spells of rain/snowfall over the region may lead to:

- ❖ Vehicles skidding due to slippery roads.
- ❖ Low visibility.
- ❖ Possibility of vehicle collision
- ❖ Traffic congestion.
- ❖ Localised essential services may affect.
- ❖ Routine outdoor business may affect.
- ❖ Essential services may affect at some locations

Therefore, it is advised to:

- ❖ Drive carefully.
- ❖ Limit outdoor activities during the event.
- ❖ Take adequate safety measures
- ❖ Follow the state government and concerned departments advisories.

❖ Temperatures

- a. Maximum temperatures very likely to fall by 6-7 °C over many parts the state on 20th Feb. and rise by 4-5 °C on 21st & 22nd Feb. 2025.
- b. Minimum temperature very likely to rise by 3-4 °C over many parts of the state on 20th Feb. and fall by 3-4 °C on 21st & 22nd Feb. 2025.

❖ Cold day Conditions (Yellow Alert)

Cold day conditions very likely to prevail over some parts over lower hills/ plain areas and mid hills of the state on 20th Feb. 2025. **(Impacts and advisories are attached in annexure).**

❖ Thunderstorm/Lightning (Yellow Alert)

Isolated thunderstorm accompanied with lightning over lower hills/ plain areas and adjoining mid hills of the state on 20th Feb. 2025. **(Impacts and advisories are attached in annexure).**

Expected Impact and Action suggested due to Cold Day, Snowfall & Thunderstorm/ Lightning conditions over Himachal Pradesh

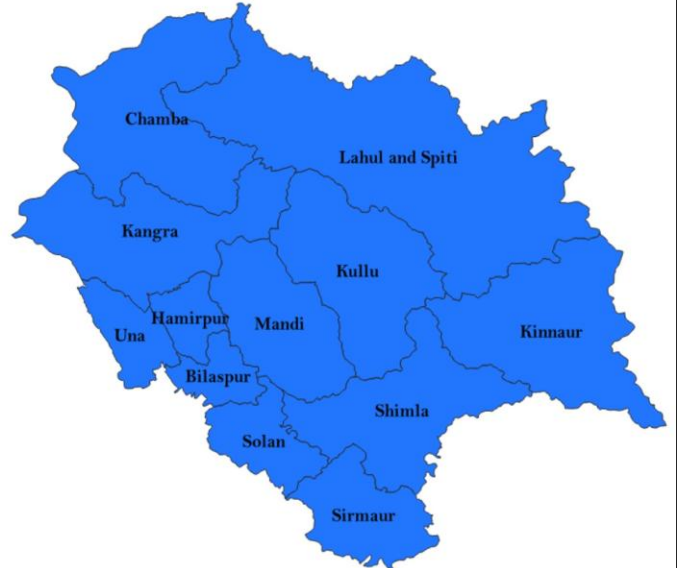
Weather Warning	Affected areas	Impacts and advisories
Rainfall/Snowfall	High & Mid Hill areas	<ul style="list-style-type: none"> • Possibility of vehicles skidding due to slippery roads. • Drive slowly & carefully. • Possibility of traffic congestion. • Basic essential services may affect. • Limit outdoor activities. • Routine outdoor activities may affect. • Follow the state government advisories.
Thunderstorm/ Lightning	Lower & Mid hills	<ul style="list-style-type: none"> • Close windows and doors. • Stay indoors and avoid travel if possible. • Stay away from the water bodies and electrical equipments
Cold Day	Lower & Mid hills	<ul style="list-style-type: none"> • Wear several layers of loose fitting, light weight, warm woolen clothing. • Keep dry, if wet, change cloths immediately. • Take safety measures while using electrical and gas heating devices. • Extreme care needed for vulnerable people. • Seek medical attention as soon as possible if suffering from frostbite/ Hypothermia. • Protect livestock from cold weather. Make adequate arrangements for animals. • Make necessary arrangements to protect crops from cold and frost. • Limit outdoor activities.

DISTRICTWISE WEATHER FORECAST FOR THE NEXT 5 DAYS

DAY 1(UPTO 0830 IST OF 20.02.2025)



DAY 2(UPTO 0830 IST OF 21.02.2025)



DAY 3(UPTO 0830 IST OF 22.02.2025)



DAY 4(UPTO 0830 IST OF 23.02.2025)



DAY 5(UPTO 0830 IST OF 24.02.2025)



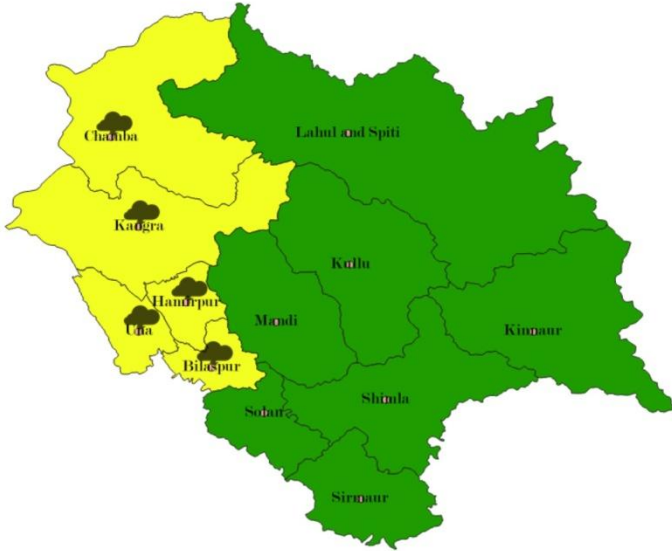
Legends

- DRY
- ISOL(0 TO 25%)
- SCT(26 TO 50%)
- FWS(51 TO 75%)
- WS(76 TO 100%)

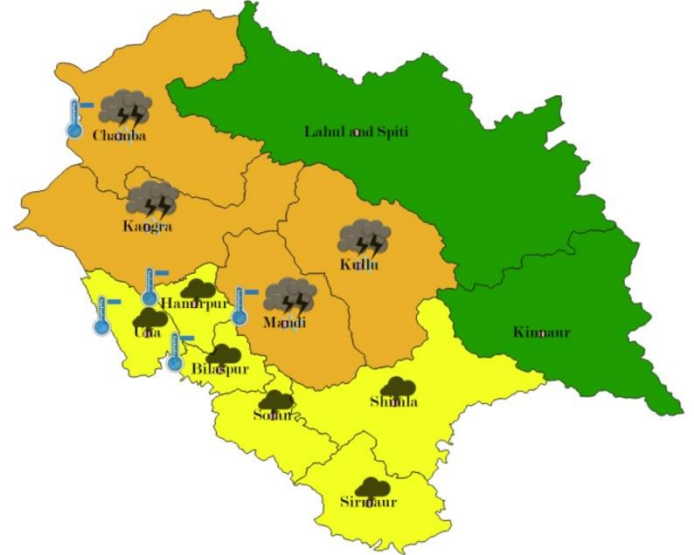
**percentage based on the number of stations reporting rainfall*

DISTRICTWISE WEATHER WARNING FOR THE NEXT 5 DAYS

DAY 1(UPTO 0830 IST OF 20.02.2025)



DAY 2(UPTO 0830 IST OF 21.02.2025)



DAY 3(UPTO 0830 IST OF 22.02.2025)



DAY 4(UPTO 0830 IST OF 23.02.2025)



DAY 5(UPTO 0830 IST OF 24.02.2025)



Legends.

Warning.

- NO WARNING (NO ACTION)-कोई कार्यवाही नहीं
- WATCH (BE UPDATED)-निगरानी रखे
- ALERT(BE PREPARED)-सतर्क रहे
- WARNING(TAKE ACTION)-कार्यवाही करे

legends

- THUNDERSTORM
- Heavy rain with thunderstorm
- SNOW
- Heavy to Very Rain with thunderstorm
- HEAT WAVE
- GUSTY WINDS(Wind speed 30-40kmph)
- HAIL
- COLD WAVE / COLD DAY
- FOG
- Ground Frost

Legends and Criteria:

Fog	Heavy Snow	Cold Wave	COLOUR CODED WARNING No Warning (No Action) Watch (Be Aware) Alert (Be Prepared To Take Action) Warning (Take Action)
Heavy Rain	Dust Storm	Cold Day	
Very Heavy Rain	Heat Wave	Ground Frost	
Extremely Heavy Rain	Warm Night		
Thunder & Lightning	Hot Day		
Hailstorm	Hot & Humid		
Dust Raising Winds	Strong Surface Winds		

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

RAINFALL INTENSITY		SPATIAL DISTRIBUTION		PROBABILITY OF OCCURENCE	
VERY LIGHT RAIN	TRACE-2.4mm	DRY	NO RAINFALL	UNLIKELY	≤ 25%
LIGHT RAIN	2.5- 15.5mm	ISOL (ISOLATED PLACES)	UPTO 25% AREA	LIKELY	26- 50%
MODERATE RAIN	15.6- 64.4mm	SCT (FEW PLACES)	25- 50% AREA	VERY LIKELY	51- 75%
HEAVY RAIN	64.5-115.5mm	FWS (MANY PLACES)	50- 75% AREA	MOST LIKELY	> 75%
VERY HEAVY RAIN	115.6-204.4mm	WS (MOST PLACES)	>75% AREA		
EXTREMELY HEAVY RAIN	>204.5mm				

Cold Day	It should be considered when minimum temperature is 10.0°C or less for plains and 0°C or less for Hilly regions. Cold day: Maximum Temperature Departure is -4.5°C to -6.4°C Severe Cold day: Maximum Temperature Departure is < -6.4°C
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**Regards,
Met Centre Shimla**

For latest Weather Bulletin and warnings kindly visit following links

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