

Dated: 24.02.2025

Time of Issue: 1600 IST

## PRESS RELEASE

**Subject: Wet spell very likely over Himachal Pradesh during night of 25<sup>th</sup> Feb. 2025 till noon/evening of 01<sup>st</sup> Mar. 2025 with isolated heavy to very heavy rain/snowfall on 26<sup>th</sup>, 27<sup>th</sup> and 28<sup>th</sup> Feb. 2025.**

### Weather System

- A fresh Western Disturbance is seen as a cyclonic circulation over north Iran & neighbourhood from lower to upper tropospheric levels. Higher moisture feeding is also likely over Western Himalayan Region in lower tropospheric levels from Arabian Sea mainly during 25<sup>th</sup>-28<sup>th</sup> February, 2025. Under the influence of this western disturbance and other favourable atmospheric conditions:
- **Fairly widespread to widespread rainfall/snowfall** activity accompanied with **thunderstorm, lightning** and very likely to commence over Himachal Pradesh from **midnight of 25<sup>th</sup> Feb till noon of 01<sup>st</sup> Mar. 2025 with isolated heavy to very heavy rain/snowfall on 26<sup>th</sup>, 27<sup>th</sup> and 28<sup>th</sup> 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 and Sirmour districts from **midnight of 25<sup>th</sup> Feb. 2025 till forenoon of 01<sup>st</sup> Mar. 2025.**
2. **Isolated spells of heavy snowfall** very likely in the district Lahaul-Spiti on dated 27<sup>th</sup> and 28<sup>th</sup> Feb. 2025 and in the district Kinnaur on dated 28<sup>th</sup> Feb. 2025. **(Yellow Alert)**
3. **Light rainfall** over many places with few spells of **moderate rainfall** accompanied with **thunderstorm & lightning** and 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 of 25<sup>th</sup> Feb. 2025 till noon of 01<sup>st</sup> Mar. 2025.**
4. **Isolated heavy rain/snowfall** very likely over Chamba, Kangra, Kullu and Mandi during 26<sup>th</sup> Feb. to 28<sup>th</sup> Feb. 2025 with isolated **very heavy rain/snowfall** likely on 27<sup>th</sup> Feb. 2025. **Isolated rain/snowfall** also likely over Shimla and Sirmaur on 27<sup>th</sup> and 28<sup>th</sup> Feb. 2025. **(Orange Alert)**

5. **Isolated heavy rainfall** likely in districts Una, Bilaspur, Hamirpur on 27<sup>th</sup> and 28<sup>th</sup> Feb.2025 and over Solan on 2<sup>8th</sup> Feb.2025. **(Yellow Alert)**
6. 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** from morning of 26<sup>th</sup> Feb. 2025 to noon of 01<sup>th</sup> Mar. 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**  
No large change in minimum and maximum temperatures till 25th Feb. 2025. Thereafter, minimum temperatures very likely to rise by 4-5 °C over many parts of the state and maximum temperatures very likely to fall by 5-7 °C till 28<sup>th</sup> Feb. 2025 over many parts of the state.
- ❖ **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 26<sup>th</sup> and 27<sup>th</sup> Feb. 2025. **(Impacts and advisories are attached in annexure).**
- ❖ **Thunderstorm/Lightning (Yellow Alert)**  
Thunderstorm accompanied with lightning very likely at isolated places over lower hills/ plain areas and adjoining mid hills of the state on 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> 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**

<b>Weather Warning</b>	<b>Affected areas</b>	<b>Impacts and advisories</b>
<b>Heavy Rain/Snowfall</b>	High & Mid Hill areas	<ul style="list-style-type: none"> <li>• Disruptions of essential services viz. water and electricity, communications and related services.</li> <li>• Visibility conditions very likely to decrease.</li> <li>• Vehicles skidding due to slippery roads and possibility of vehicle collision.</li> <li>• Traffic congestion.</li> <li>• Localised essential services may affect.</li> <li>• Routine outdoor business may affect.</li> <li>• Essential services may affect at some locations.</li> </ul>
<b>Thunderstorm/ Lightning</b>	Lower & Mid hills	<ul style="list-style-type: none"> <li>• Close windows and doors.</li> <li>• Stay indoors and avoid travel if possible.</li> <li>• Stay away from the water bodies and electrical equipments</li> </ul>
<b>Cold Day</b>	Lower & Mid hills	<ul style="list-style-type: none"> <li>• Wear several layers of loose fitting, light weight, warm woolen clothing.</li> <li>• Keep dry, if wet, change cloths immediately.</li> <li>• Take safety measures while using electrical and gas heating devices.</li> <li>• Extreme care needed for vulnerable people.</li> <li>• Seek medical attention as soon as possible if suffering from frostbite/ Hypothermia.</li> <li>• Protect livestock from cold weather. Make adequate arrangements for animals.</li> <li>• Make necessary arrangements to protect crops from cold and frost.</li> <li>• Limit outdoor activities.</li> </ul>

# DISTRICTWISE WEATHER FORECAST FOR THE NEXT 5 DAYS

**DAY 1(UPTO 0830 IST OF 25.02.2025)**



**DAY 2(UPTO 0830 IST OF 26.02.2025)**



**DAY 3(UPTO 0830 IST OF 27.02.2025)**



**DAY 4(UPTO 0830 IST OF 28.02.2025)**



**DAY 5(UPTO 0830 IST OF 01.03.2025)**



## 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

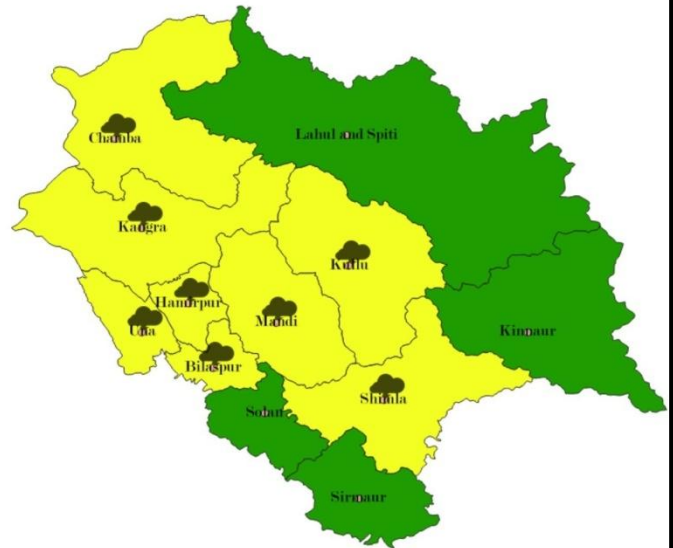


# DISTRICTWISE WEATHER WARNING FOR THE NEXT 5 DAYS

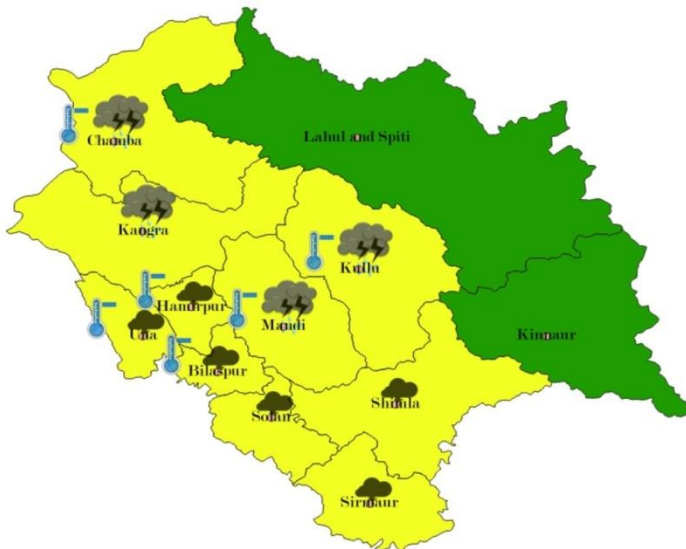
## DAY 1(UPTO 0830 IST OF 25.02.2025)



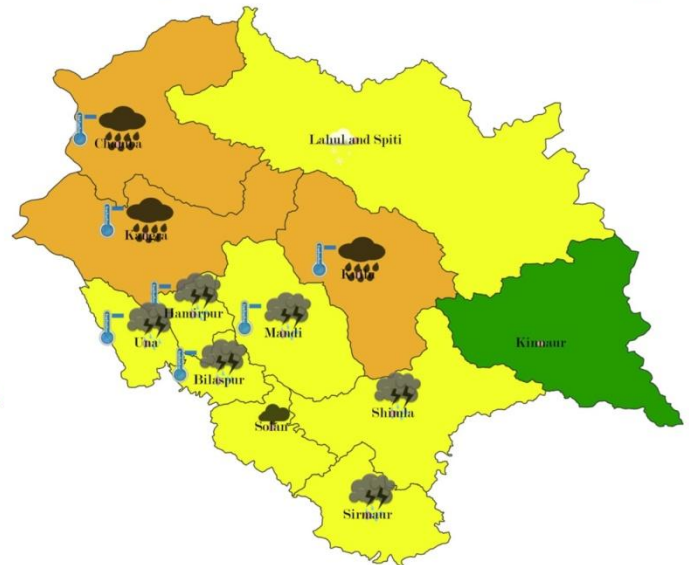
## DAY 2(UPTO 0830 IST OF 26.02.2025)



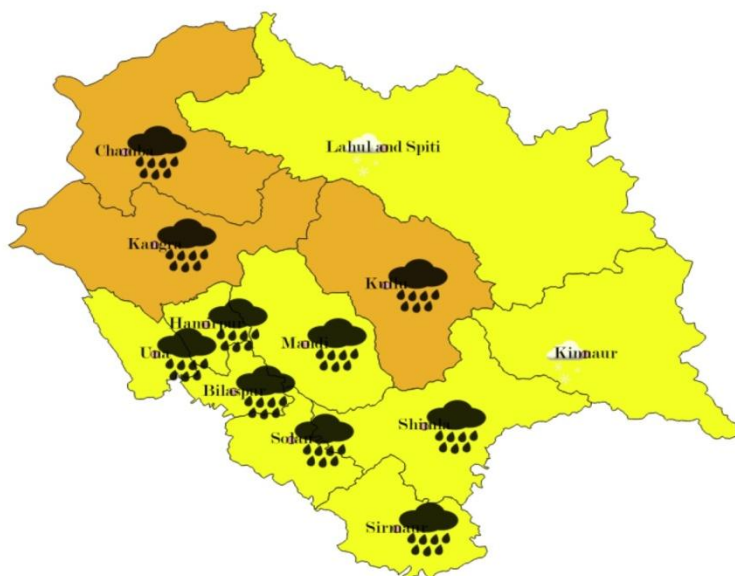
## DAY 3(UPTO 0830 IST OF 27.02.2025)



## DAY 4(UPTO 0830 IST OF 28.02.2025)



## DAY 5(UPTO 0830 IST OF 01.03.2025)



### 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	<b>COLOUR CODED WARNING</b> <div style="background-color: #90EE90; padding: 2px;">No Warning (No Action)</div> <div style="background-color: #FFFF00; padding: 2px;">Watch (Be Aware)</div> <div style="background-color: #FFA500; padding: 2px;">Alert (Be Prepared To Take Action)</div> <div style="background-color: #FF0000; padding: 2px;">Warning (Take Action)</div>										
Heavy Rain	Dust Storm	Cold Day											
Very Heavy Rain	Heat Wave	Ground Frost											
Extremely Heavy Rain	Warm Night												
Thunder & Lightning	Hot Day		<b>Probabilistic Forecast</b> <table border="1"> <thead> <tr> <th>Terms</th> <th>Probability of Occurrence (%)</th> </tr> </thead> <tbody> <tr> <td>Unlikely</td> <td>&lt; 25</td> </tr> <tr> <td>Likely</td> <td>25 - 50</td> </tr> <tr> <td>Very Likely</td> <td>50 - 75</td> </tr> <tr> <td>Most Likely</td> <td>&gt; 75</td> </tr> </tbody> </table>	Terms	Probability of Occurrence (%)	Unlikely	< 25	Likely	25 - 50	Very Likely	50 - 75	Most Likely	> 75
Terms	Probability of Occurrence (%)												
Unlikely	< 25												
Likely	25 - 50												
Very Likely	50 - 75												
Most Likely	> 75												
Hailstorm	Hot & Humid												
Dust Raising Winds	Strong Surface Winds												

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		
VERY HEAVY RAIN	115.6-204.4mm			MOST LIKELY	> 75%
EXTREMELY HEAVY RAIN	>204.5mm	WS (MOST PLACES)	>75% AREA		

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

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