

		Government of India Ministry of Earth Sciences, Meteorological Centre, Shimla					
Past Weather Summary (till 0830 IST) 20-04-2024 Bulletin No.111							
<u>Past 24 hrs. Significant Weather Condition</u> Light to moderate rainfall/snowfall and Thunderstorm observed at most places over the state during last 24 hours. No large change in minimum and maximum temperatures during last 24 hours. Average Minimum and maximum temperatures were normal. Today the Lowest temperature was recorded at Keylong = -0.5 ⁰C . Yesterday’s Highest temperature was recorded at Dhaulakuan = 36.9 ⁰C .							
Chief amount of Snowfall(cm) Rainfall- (mm)		Snowfall: Koksar 19.0, Gondla 16.5, Keylong 8.5, Kukumseri 2.4. Rainfall:- BHARMAUR 25.0, CHAMBA AWS 25.0, TISSA 24.3, SOLAN 24.0, KUKUMSHERI AWS 19.3, RAJGARH 20.4, KALPA 20.2, RENUKA / DADHAU 19.4, RECKONG PEO AWS 19.0, DALHOUSI ALHA AWS 19.0, Koksar 19.0, HMO Shillaro 19.0, NADAUN 18.5, WANGTOO 18.4, SANGLA 17.8, KUFRI AWS 16.5, Gondla 16.5, Kataula 16.0, KOTHI 16.0, ROHRU 15.0, DHARAMPUR 14.8, KEYLONG 6.0, KANDAGHAT 13.6, NARKANDA AWS 13.5, SIMLA 13.4, CHUARI 12.2, MASHOBRA AWS 11.5, KASALI 11.4, DHARMSALA 11.4, POOH 11.2, SALONI 11.2, SARAHAN 11.0.					
Past-Impact		NIL					
Synoptic features							
The Western Disturbance as a cyclonic circulation over north Pakistan now seen at north Pakistan & adjoining Jammu-Kashmir-Ladakh-Gilgit-Baltistan Muzaffarabad between 3.1 km to 5.8 km above mean sea level. The induced cyclonic circulation over Pakistan and adjoining Punjab now lies over Haryana & neighbourhood at 1.5 km above mean sea level. A fresh Western Disturbance is likely to affect Northwest India from 22nd April, 2024.							
WEATHER FORECAST for the state of Himachal Pradesh for Next 5 Days						Weather Outlook for subsequent 2 days	
DateArea	20th Apr.	21st Apr.	22nd Apr.	23rd Apr.	24th Apr.	25th Apr.	26th Apr.
Low Hills / Plains	Rain at isolated places	Rain at isolated places	Rain at isolated places	Rain at isolated places	Rain at isolated places	DRY	DRY
Middle Hills	Rain/snow at isolated places	Rain/snow at isolated places	Rain/snow at few places	Rain/snow at few places	Rain/snow at isolated places	Rain/snow at isolated places	Rain/snow at isolated places
High Hills	Rain/Snow at isolated places	Rain/Snow at isolated places	Rain/snow at few places	Rain/snow at few places	Rain/Snow at isolated places	Rain/Snow at isolated places	Rain/Snow at isolated places
Weather Warning for t he state of Himachal Pradesh for Next 5 Days						Weather Warnings for subsequent 2 days	

Warning	Thunderstorm accompanied with lightning at isolated places	NIL	Thunderstorm accompanied with lightning at isolated places	Thunderstorm accompanied with lightning at isolated places	NIL	NIL	NIL
Expected Impact & agriculture advisory							
Impact For Heavy Rain	<ul style="list-style-type: none"> NIL 						
Advisory for Fog	<ul style="list-style-type: none"> NIL 						
Impact on Agriculture	<ul style="list-style-type: none"> Provide mechanical support to horticultural crops and staking to vegetables. Follow the advisories and guidelines issued by the concerned departments. 						
Earthquake	<ul style="list-style-type: none"> NIL 						

5 days District-Level Weather Forecast and Weather Warning Bulletin for HIMACHAL PRADESH

	<u>Bulletin No:-</u>	111		<u>Saturday 20thApr.,2024</u>		<u>Issue Time : 12.00 Hrs. IST</u>
District		20-Apr	21-Apr	22-Apr	23-Apr	24-Apr
		Sat.	Sun.	Mon.	Tue.	Wed.
Bilaspur	<i>Spatial Distribution :</i>	ISOL	ISOL	ISOL	ISOL	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Chamba	<i>Spatial Distribution :</i>	ISO	ISOL	SCT	SCT	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain/snow at isolated places.	Rain/snow at isolated places.	Rain/snow at few places.	Rain/snow at few places.	Rain/snow at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Hamirpur	<i>Spatial Distribution :</i>	ISOL	ISOL	ISOL	ISOL	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Kangra	<i>Spatial Distribution :</i>	ISO	ISOL	SCT	SCT	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain/snow at isolated places.	Rain/snow at isolated places.	Rain/snow at few places.	Rain/snow at few places.	Rain/snow at isolated places.

	<i>Probability :</i>	likely	likely	likely	likely	likely
Kinnaur	<i>Spatial Distribution :</i>	ISO	ISOL	SCT	SCT	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain/snow at isolated places.	Rain/snow at isolated places.	Rain/snow at few places.	Rain/snow at few places.	Rain/snow at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Kullu	<i>Spatial Distribution</i>	ISO	ISOL	SCT	SCT	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain/snow at isolated places.	Rain/snow at isolated places.	Rain/snow at few places.	Rain/snow at few places.	Rain/snow at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Lahaul & Spiti	<i>Spatial Distribution :</i>	ISO	ISOL	SCT	SCT	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain/snow at isolated places.	Rain/snow at isolated places.	Rain/snow at few places.	Rain/snow at few places.	Rain/snow at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Mandi	<i>Spatial Distribution :</i>	ISOL	ISOL	SCT	SCT	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain at isolated places.	Rain at isolated places.	Rain at few places.	Rain at few places.	Rain at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Shimla	<i>Spatial Distribution :</i>	ISOL	ISOL	SCT	SCT	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain at isolated places.	Rain at isolated places.	Rain at few places.	Rain at few places.	Rain at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Sirmaur	<i>Spatial Distribution :</i>	ISOL	ISOL	ISOL	ISOL	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely
Solan	<i>Spatial Distribution :</i>	ISOL	ISOL	ISOL	ISOL	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely

Una	<i>Spatial Distribution :</i>	ISOL	ISOL	ISOL	ISOL	ISOL
	<i>Intensity :</i>	Light	Light	Light	Light	Light
		Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.	Rain at isolated places.
	<i>Probability :</i>	likely	likely	likely	likely	likely

District Level Weather Warning Bullet Himachal Pradesh

Dated 20.04.2024 Bulletin No. 111

Issued at **1200 IST**

District	Today	Day-2	Day-3	Day-4	Day-5
Una	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Bilaspur	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Hamirpur	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Chamba	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Kangra	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Kullu	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Mandi	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Shimla	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Solan	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Sirmaur	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Kinnaur	Thunderstorm with lightning at isolated places	NIL	Thunderstorm with lightning at isolated places	Thunderstorm with lightning at isolated places	NIL
Lahul & Spiti	NIL	NIL	NIL	NIL	NIL

District Level Impact Weather Warning Bulletin

IMPACT BASED FORECAST FOR RAINFALL FOR THE NEXT TWO DAYS OVER HIMACHAL

Himachal Pradesh	20th April	21st April
Una	NIL	NIL
Bilaspur	NIL	NIL
Hamirpur	NIL	NIL
Chamba	NIL	NIL
Kangra	NIL	NIL
Kullu	NIL	NIL
Mandi	NIL	NIL
Shimla	NIL	NIL
Solan	NIL	NIL
Sirmaur	NIL	NIL
Kinnaur	NIL	NIL
Lahaul & Spiti	NIL	NIL

DISTRICTWISE WEATHER FORECAST FOR THE NEXT 5 DAYS

DAY 1(UPTO 0830 IST OF 21.04.2024)



DAY 2(UPTO 0830 IST OF 22.04.2024)



DAY 3(UPTO 0830 IST OF 23.04.2024)



DAY 4(UPTO 0830 IST OF 24.04.2024)



DAY 5(UPTO 0830 IST OF 25.04.2024)



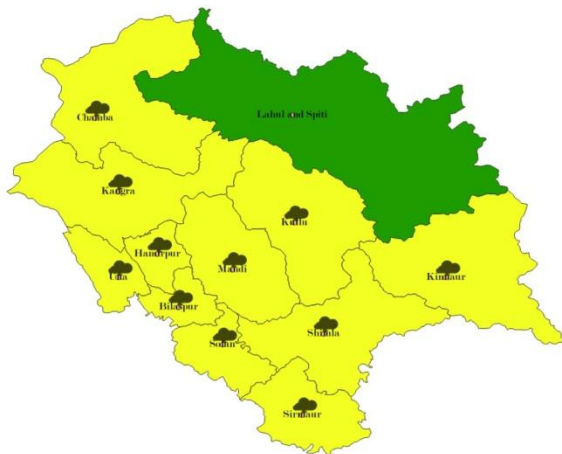
Legends

- 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

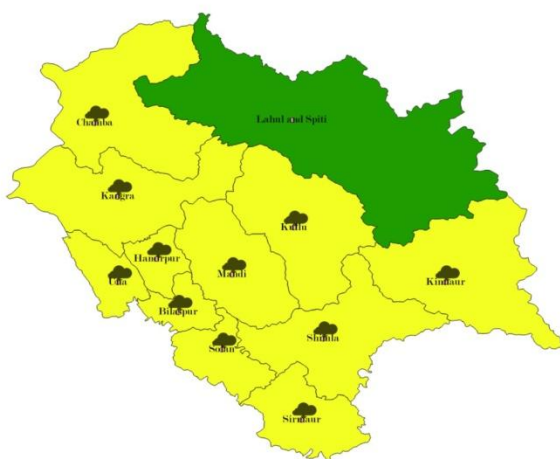
DAY 1(UPTO 0830 IST OF 21.04.2024)



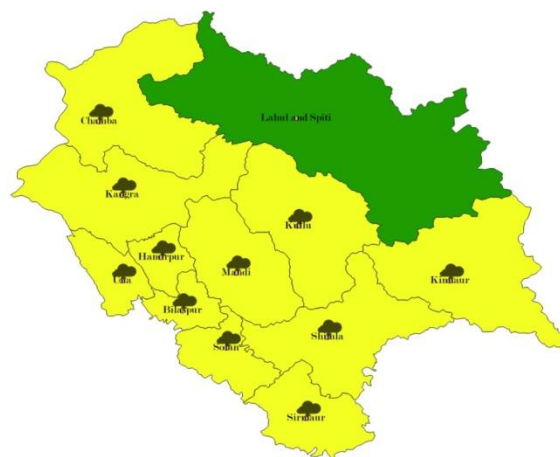
DAY 2(UPTO 0830 IST OF 22.04.2024)



DAY 3(UPTO 0830 IST OF 23.04.2024)



DAY 4(UPTO 0830 IST OF 24.04.2024)



DAY 5(UPTO 0830 IST OF 25.04.2024)



Legends.

Warning.

- NO WARNING (NO ACTION)-कोई कार्यवाही नहीं
- WATCH (BE UPDATED)-निगरानी रखें
- ALERT(BE PREPARED)-सतर्क रहें
- WARNING(TAKE ACTION)-कार्यवाही करें

legends

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

LEGENDS:- IMPACT BASED FORECAST

COLOUR CODES	
Risk Level	Response
Very Low	No Action
Low	Be Updated
Medium	Be Prepared
High	Take Action

Very Low Impact	Low Impact	Medium Impact	High Impact
Business as Usual	Localized = Single District Municipality affected Business as usual	Localized = Single District Municipality affected Short term strain on emergency personnel	Widespread = Multiple Districts affected Prolonged strain on emergency personnel
<ul style="list-style-type: none"> Some pooling of water on roads or in rural settlements Day to day activities not disturbed Wet roads Minimal traffic congestion Isolated mudslides and rock falls 	<ul style="list-style-type: none"> Localized flooding of susceptible informal settlements or roads, low lying areas and bridges Localized and short term disruption to municipal services (water, electricity, etc.) Major roads affected but can be used, increased travel times Minor motor vehicle accidents due to slippery roads Closure of roads crossing low water bridges Localized mudslides and rock falls 	<ul style="list-style-type: none"> Flooding of roads and settlements (formal and informal) Disruption to municipal services (water, electricity, etc.) Major disruption of traffic flow due to major roads being flooded or closed Possible damage to roads and bridges Danger to life (fast flowing streams I deep water) Some communities temporarily not accessible/ cut-off Displacement of affected communities Damage to property, infrastructure and loss of livelihood Mudslides and rock falls 	<ul style="list-style-type: none"> Widespread flooding of roads and settlements Widespread, prolonged disruption to municipal services (water, electricity, etc.) Widespread transport routes and travel services severely affected Major roads and bridges damaged or washed away Danger to life (fast flowing streams I deep water) Large communities not accessible/cut-off for a prolonged period Widespread displacement of affected communities Widespread damage to property, buildings and loss of livelihoods Widespread mudslides and rock falls

WARNING AND FORECAST

WARNING (TAKE ACTION)	WATCH (BE UPDATED)
ALERT (BE PREPARED)	NO WARNING (NO ACTION)

RAINFALL INTENSITY / वर्षा की तीव्रता		RAINFALL DISTRIBUTION / वर्षा का वितरण		PROBABILITY OF OCCURRENCE / घटित होने की संभावना		SPELL OF RAINFALL / वर्षा का दौर	
VERY LIGHT RAIN / बहुत हल्की वर्षा	TRACE - 2.4 mm	ISOLATED PLACES / कहीं-कहीं	ISOLATED (UPTO 25% AREA)	UNLIKELY	Up to 25%	INTENSE SPELL / तीव्र दौर	20-30 mm/hour
LIGHT RAIN / हल्की वर्षा	2.5- 15.5 mm	FEW PLACES / कुछ जगह	SCATTERED (BETWEEN 25- 50% AREA)	LIKELY	26 to 50%		
MODERATE RAIN / मध्यम वर्षा	15.6 – 64.4 mm	MANY PLACES / अनेक जगह	FAIRLY WIDE SPREAD (BETWEEN 50-75% AREA)	VERY LIKELY	51 to 75%	VERY INTENSE SPELL / अति तीव्र दौर	30-50 mm/hour
HEAVY RAIN / भारी वर्षा	64.5- 115.5 mm						
VERY HEAVY RAIN / बहुत भारी वर्षा	115.6- 204.4 mm	MOST PLACES / अधिकांश जगह	WIDE SPREAD (MORE THAN 75% AREA)	MOST LIKELY	Above 75%	EXTREMELY INTENSE SPELL / अत्यंत तीव्र दौर	50-100 mm/hour
EXTREMELY HEAVY RAIN / अत्यंत भारी वर्षा	> 204.4 mm						

♦Heavy snow: 64.5 – 115.5 cm (in depth) & Very heavy snow: 115.6 – 204.4 cm (in depth). (As per the new guidelines w.e.f January 1, 2016).

♦Forecast and Warning for a particular day is valid from 0830 hours IST of day till 0830 hours IST of next day.

Region	Areas / Districts covered
HIGH HILLS	L & S, KINNAUR, CHAMBA, UPPER PARTS OF DISTRICTS OF KULLU AND MANDI.
MIDDLE HILLS	SHIMLA, MANDI, KULLU, SOME PARTS OF CHAMBA (SIHUNTA, CHOWARI AND CHAMBA) MOST PARTS OF DISTRICTS OF SOLAN AND SIRMAUR
LOW HILLS / PLAINS	UNA, BILASPUR, HAMIRPUR, PARTS OF DISTRICTS OF KANGRA (NURPUR, JWALA & DEHRA) SOLAN (NALAGARH, BADDI, ARKI & KUNIHAR) AND SIRMAUR (NAHAN & PAONTA SAHIB).