



Dated: 21 JANUARY 2019  
Time of Issue: 2050 hours IST

**WEATHER WARNING FOR NORTHWEST INDIA**

MET-SUBDIVISION	21 Jan	22 Jan	23 Jan	24 Jan	25 Jan
Jammu & Kashmir	Heavy rain/snowfall at few places with isolated thunderstorm and hailstorm.	Heavy rain/snowfall at isolated places	NIL	NIL	NIL
Himachal Pradesh	Isolated heavy rain/snowfall accompanied with isolated hailstorm	Isolated heavy rain/snowfall	NIL	NIL	NIL
Uttarakhand	NIL	Isolated heavy rain/snowfall accompanied with hailstorm	NIL	NIL	NIL
Punjab	Isolated thunderstorm/hailstorm.	Heavy rain at isolated places accompanied with isolated thunderstorm/hailstorm.	NIL	NIL	NIL
Haryana, Chandigarh & Delhi	Isolated thunderstorm/hailstorm.	Heavy rain at isolated places accompanied with isolated thunderstorm/hailstorm.	NIL	NIL	NIL
West Uttar Pradesh	Isolated thunderstorm accompanied with hailstorm.	Isolated thunderstorm accompanied with hailstorm.	NIL	NIL	NIL
East Uttar Pradesh	NIL	Isolated thunderstorm accompanied with hailstorm.	Isolated thunderstorm accompanied with hailstorm.	NIL	NIL
West Rajasthan	Isolated thunderstorm accompanied with hailstorm.	Isolated thunderstorm accompanied with hailstorm.	NIL	NIL	NIL
East Rajasthan	Isolated thunderstorm accompanied with hailstorm.	Isolated thunderstorm accompanied with hailstorm.	NIL	NIL	NIL

\* Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day



## Legends:

### SPATIAL DISTRIBUTION

(% of Stations reporting)













Widespread (WS/Most Places)	76-100	Scattered (SCT/ A Few Places)	26-50
Fairly Widespread (FWS/ Many Places)	51-75	Isolated (ISOL)	1-25
Mainly Dry	Very Light Rain	Dry	No Rain

### WARNING

Most Vigil (Take Action)
Be prepared/updated (Keep Vigil)
Be aware (Be updated)
No Warning

### Probabilistic Forecast

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

 Rain	Heavy: 64.4 to 124.4 mm Very Heavy: 124.5 to 244.4 mm Extremely Heavy: more than 244.4 mm
 Snow	Heavy: 35.6 to 64.4 mm Very Heavy: 64.5 to 124.4 mm Extremely Heavy: more than 124.4 mm
 Heat Wave	a). When normal maximum temperature of a station is less than or equal to 40° C Heat Wave: Departure from normal 5° C to 6° C. Severe Heat Wave: Departure from normal 7° C or more b). When normal maximum temperature of a station is more than 40° C Heat Wave: Departure from normal 4° C to 5° C. Severe Heat Wave: Departure from normal 6° C or more c). When actual maximum temperature remains 45°C or more
 Hot Day	Plains: The maximum temperature remains 40°C or more and minimum temperature departure from normal 5° C or more. Coastal: When maximum temperature departure is 5° C or more from normal.
 Cold Wave	a) When normal minimum temperature is equal to 10°C or more. Cold Wave: Departure from normal -5° C to -6° C. Severe Cold Wave: Departure from normal -7° C or less b) When normal minimum temperature is less than 10°C Cold Wave: Departure from normal is -4° C to -5° C. Severe Cold Wave: Departure from normal is -6° C or more
 Cold Day	Plains: The maximum temperature remains 16°C or less. Coastal: When maximum temperature departure is -5° C or more from normal.
 Fog	Phenomenon of small droplets suspended in air and the horizontal visibility is one kilometer or less Moderate: When the visibility between 500-200 metres Dense: when the visibility less than 200 metres Very Dense: when the visibility less than 50 metres
 Thunderstorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) Moderate: Wind gusts are between 31-74 kmph. Severe: Wind gusts reach more than 75 kmph.
 Dust/Sand storm	An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. Moderate: Wind speed 42-79 kmph and visibility 200 – 500 m Severe: Wind speed ≥ 80 kmph and visibility < 200 meter.
 Hailstorm	Solid precipitation in the form of balls or pieces of ice.
 Frost	Ice deposits on ground Air temperature ≤4°C
 Squall	Sharp increase in wind speed last atleast for 1 minutes Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph

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