



Dated: 12 February 2019

PRESS RELEASE

Subject: Snowfall over the Hills and Hailstorm over plains of Northwest India

Analysis of Weather Conditions

The Western Disturbance as an upper air cyclonic circulation lies over Iran and neighbourhood extending upto 4.5 km above mean sea level with a trough aloft with its axis at 5.8 Km above mean sea level runs roughly along Longitude 50°E to the north of Latitude 28°N. Under its influence, an induced cyclonic circulation is likely to form over West Rajasthan and neighbourhood by 14th February. An interaction between Western disturbance and Easterly wave is likely to take place over the plains of Northwest India from night of 13 February onwards.

Weather Forecast

- Fairly widespread to widespread rainfall/snowfall would occur over Jammu & Kashmir and Himachal Pradesh during 13-15 February and over Uttarakhand during 14-15 February.
- Fairly widespread to widespread light to moderate rainfall/thundershowers would occur over Punjab, Haryana & Chandigarh from evening of 13 February to 15 February.
- Scattered to fairly widespread rainfall/thundershowers would occur over West Uttar Pradesh on 14 February and over entire Uttar Pradesh on 15 February.
- Isolated to scattered rainfall/thundershowers would occur over Rajasthan on 14 February.

Weather Warnings

- Heavy rainfall/snowfall would occur at isolated places over Jammu & Kashmir and Himachal Pradesh on 14 February. Thunderstorm accompanied with isolated hailstorm is very likely in these states on 13-14 February.
- Heavy rainfall would occur at isolated places over Punjab, North-Haryana on 14 February. Thunderstorm accompanied with isolated hailstorm is very likely over Punjab, Haryana, North-Rajasthan on 13-14 February and over Uttar Pradesh on 14-15 February.
- Gusty winds of the order of 30-40 kmph is most likely to prevail over Punjab, Haryana, Chandigarh, Delhi/NCR, Uttar Pradesh and North-Rajasthan on 14 February.

Temperature Forecast

Night temperatures are likely to increase by 2 to 3°C over northwest India during next 3 days and fall by 2 to 3°C after 15 February onwards.

Forecast for Prayagraj (Kumbh Mela)

Light to moderate rain/thundershowers with possibility of strong surface winds (30-40 kmph) and isolated hailstorm is likely on 14-15 February.

Forecast for Delhi/NCR

Generally cloudy conditions with light rain/thunderstorm likely to occur from night of 13 February to 15 February. The light rain/thundershowers accompanied with strong surface winds (30-40 kmph) and hailstorm at isolated places is most likely to occur over Delhi/NCR on 14 February.









Detailed forecast and colour code warnings for next 5 days are given in the table.



5 DAYS WEATHER FORECAST FOR NORTHWEST INDIA

S.No.	MET-SUBDIVISION	12 Feb	13 Feb	14 Feb	15 Feb	16 Feb
1.	Jammu & Kashmir	SCT	WS	WS	FWS	DRY
2.	Himachal Pradesh	SCT	FWS	WS	FWS	ISOL
3.	Uttarakhand	DRY	ISOL	FWS	FWS	ISOL
4.	Punjab	ISOL	SCT	WS	SCT	DRY
5.	Haryana, Chandigarh & Delhi	ISOL	ISOL	WS	FWS	ISOL
6.	West Uttar Pradesh	DRY	ISOL	FWS	SCT	ISOL
7.	East Uttar Pradesh	DRY	DRY	ISOL	FWS	ISOL
8.	West Rajasthan	DRY	ISOL	ISOL	DRY	DRY
9.	East Rajasthan	DRY	ISOL	SCT	ISOL	DRY

5 DAYS WEATHER WARNING FOR NORTHWEST INDIA

MET-SUBDIVISION	12 Feb	13 Feb	14 Feb	15 Feb	16 Feb
Jammu & Kashmir	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (JAMMU DIVISION)	ISOLATED HEAVY RAIN/SNOW. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (JAMMU DIVISION)	NIL	NIL
	NO WARNING			NO WARNING	NO WARNING
Himachal Pradesh	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	ISOLATED HEAVY RAIN/SNOW. THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	NIL	NIL
	NO WARNING			NO WARNING	NO WARNING
Uttarakhand	NIL	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	NIL
	NO WARNING	NO WARNING			NO WARNING
Punjab	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	ISOLATED HEAVY RAIN/ THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	NIL	NIL.
	NO WARNING			NO WARNING	NO WARNING
Haryana, Chandigarh & Delhi	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	ISOLATED HEAVY RAIN/ THUNDERSTORM ACCOMPANIED WITH ISOLATED	NIL	NIL



			HAILSTORM.		
	NO WARNING			NO WARNING	NO WARNING
West Uttar Pradesh	NIL	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	NIL
	NO WARNING	NO WARNING			NO WARNING
East Uttar Pradesh	NIL	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM.	NIL
	NO WARNING	NO WARNING			NO WARNING
West Rajasthan	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (NORTHERN PARTS)	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (NORTHERN PARTS)	NIL	NIL
	NO WARNING			NO WARNING	NO WARNING
East Rajasthan	NIL	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (NORTHERN PARTS)	THUNDERSTORM ACCOMPANIED WITH ISOLATED HAILSTORM (NORTHERN PARTS)	NIL	NIL
	NO WARNING			NO WARNING	NO WARNING

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