



भारत मौसम विज्ञान विभाग
 INDIA METEOROLOGICAL DEPARTMENT
 Climate Research and Services (CRS)

Monthly Climate Summary for January 2026

1. Monthly Rainfall Scenario (01 to 31 January, 2026)

Rainfall over the country as a whole during January 2026 was 11.7 mm, which was 31 per cent below its Long Period Average (LPA) of 17.1 mm (based on data of 1971-2020). The daily variation of all-India rainfall during January 2026, along with the normal based on the period 1971–2020, is shown in Figure 1(a). The all-India rainfall percentage departure from normal for the month of January during the period 1901–2026 is presented in Figure 1(b).

The all-India rainfall for January 2026 (11.7 mm) was the 25th lowest since 1901 and the 11th lowest since 2001, as shown in Figure 1(c). Rainfall over Central India (1.5 mm) was the 13th lowest since 1901 and 5th lowest since 2001, as depicted in Figure 1(d). Rainfall over East and Northeast India (2.4 mm) was the 7th lowest since 1901 and 4th lowest since 2001, as shown in Figure 1(e).

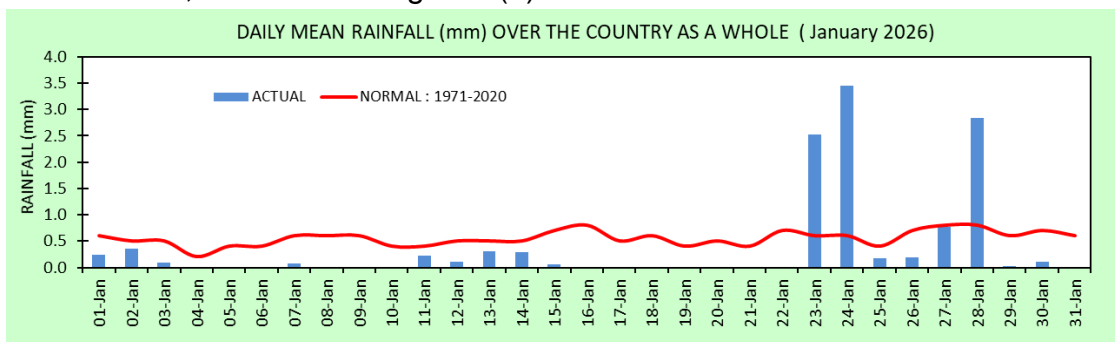


Fig. 1(a): Daily variation of rainfall over the country as a whole during January 2026.

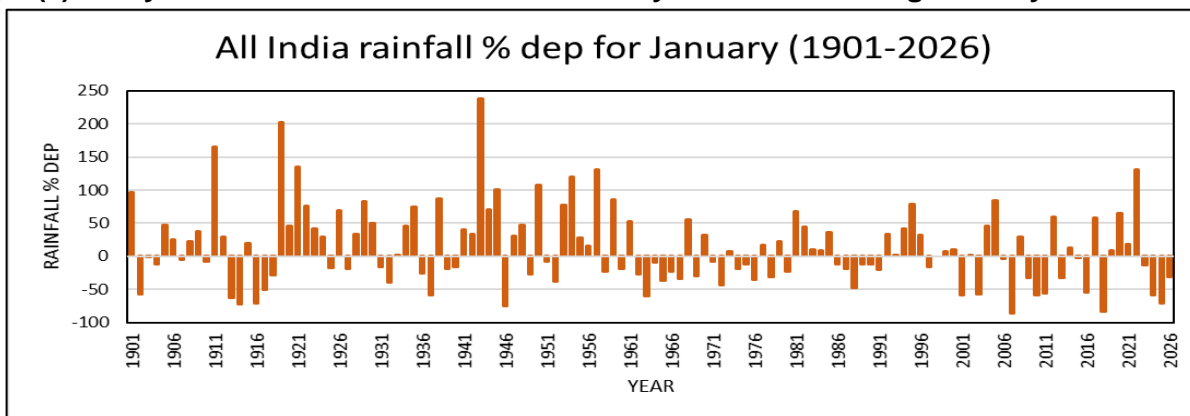


Fig. 1(b): All India monthly rainfall percentage departure from normal (1971-2020) for January from 1901-2026.

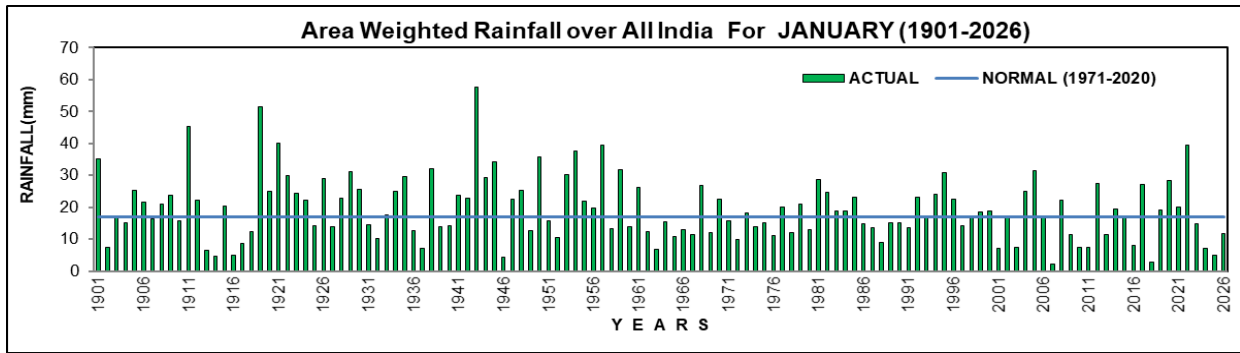


Fig. 1(c): Time series of area weighted rainfall over All India for January (1901 – 2026).

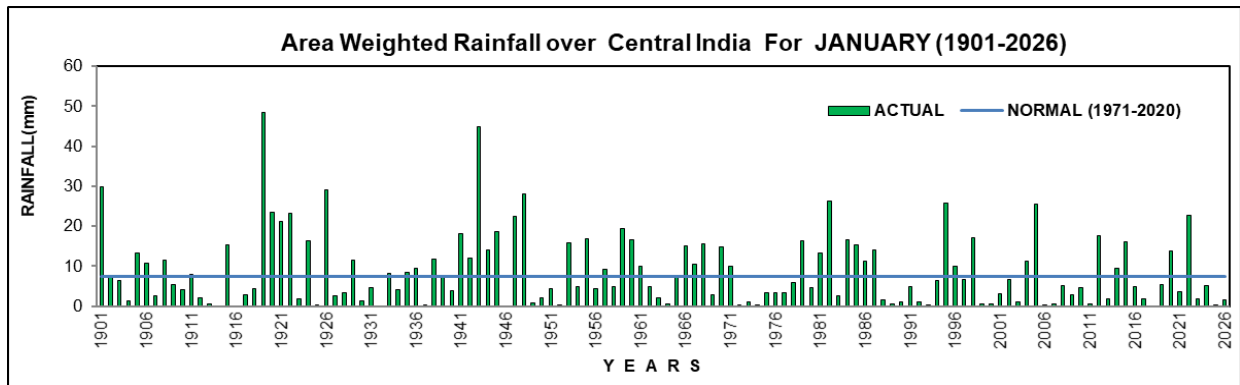


Fig. 1(d): Time series of area weighted rainfall over Central India for January (1901 – 2026).

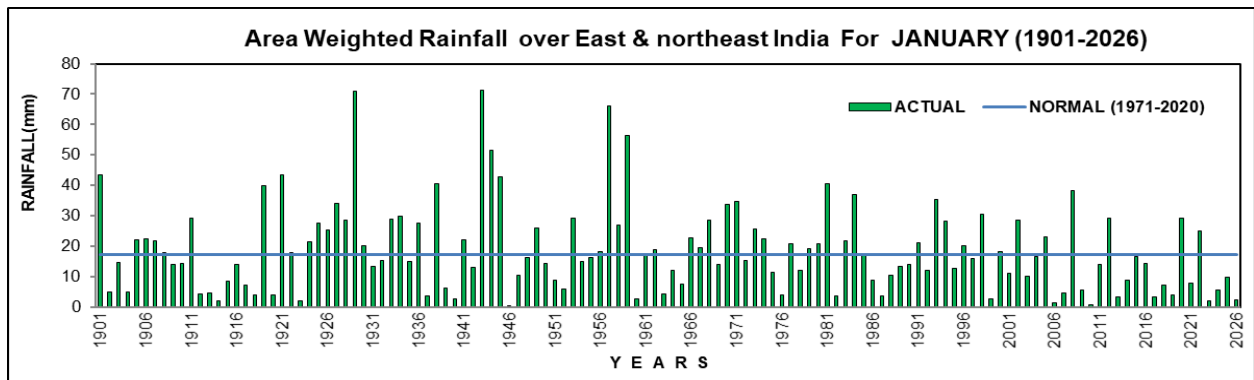


Fig. 1(e): Time series of area weighted rainfall over East & Northeast India for January (1901 – 2026).

The monthly rainfall for January 2026 is given in the table below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	11.7	17.1	-31.5
Northwest India	29.7	33.8	-12.1
Central India	1.5	7.4	-79.4
South Peninsula	8.7	7.8	10.9
East & Northeast India	2.4	17.2	-86.2

During the month, 2 meteorological sub-divisions recorded large excess rainfall, 6 sub-divisions received excess rainfall, 4 sub-divisions experienced normal rainfall, 6 sub-divisions reported deficient rainfall, 12 sub-divisions recorded large deficient rainfall, and 6 sub-divisions received no rainfall, as shown in Figure 2.



Fig. 2: Subdivision-wise rainfall distribution for January 2026.

The observed spatial distribution of rainfall during January 2026, normal rainfall based on data of 1971 to 2020 and rainfall departures from normal during January 2026 are shown in Fig. 3.

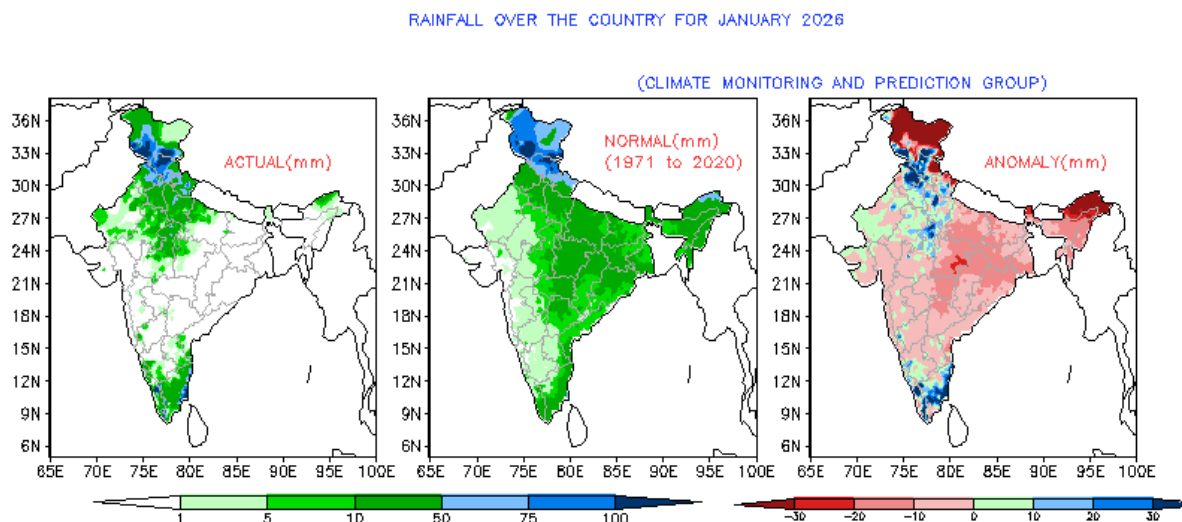
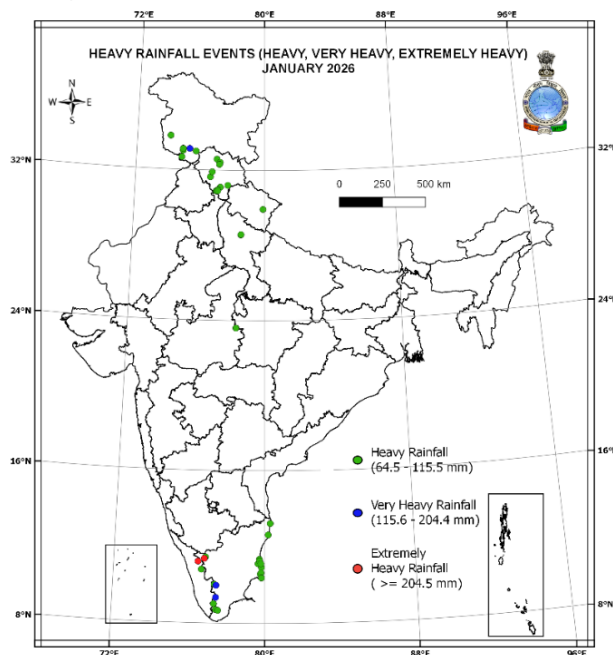


Fig. 3: Observed spatial Rainfall pattern for the month January 2026 over India and their departure from normal (1971 to 2020 period).

Departure from normal is Anomaly = Actual rainfall - Normal rainfall.

2. Frequency of Heavy Rainfall events

January 2026 witnessed heavy rainfall events mainly over Tamilnadu, Puducherry & Karaikal, Kerala & Mahe, Himachal Pradesh and Jammu & Kashmir & Ladakh. The location of occurrences of Heavy, Very Heavy rainfall and Extremely Heavy rainfall events is shown in the Fig. 4. Out of total 39 occasions, 2 stations reported Extremely Heavy rainfall (>204.4 mm), 3 were Very Heavy rainfall (115.6 to 204.4 mm) and 34 were Heavy rainfall (64.5 to 115.5 mm) categories during this month.



(Only highest category of rainfall event considered for a station)

Fig. 4: The location of occurrences of Heavy, Very Heavy and Extremely Heavy rainfall events in the month of January 2026.

3. Chief Synoptic weather features observed during January 2026.

Low pressure systems: In the month of January 2026, a Deep Depression formed over south Bay of Bengal during the period 7 – 10 January. Track of this system is shown in Fig. 5.

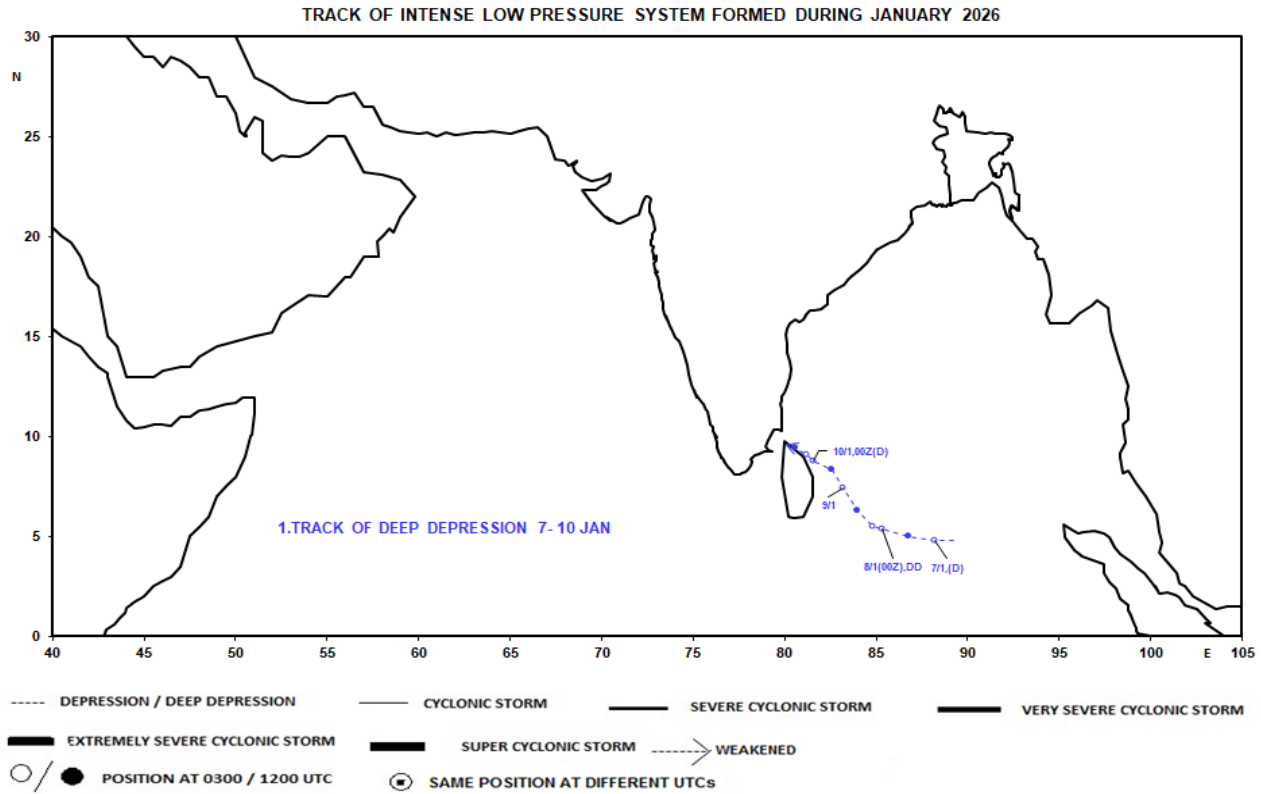


Fig. 5: Track of intense low-pressure system formed during January 2026.

Western Disturbances: A total of nine Western Disturbances formed during the periods 4–6 January, 5–9 January, 9–11 January, 11–14 January, 15–22 January, 19–20 January, 21–26 January, 26–29 January and 29 January–2 February, which moved across northwest India.

4. Characteristics of Temperatures for the month of January 2026

The average maximum, average minimum and mean temperature for the country as a whole during January 2026 were 24.86 °C, 11.90 °C and 18.37 °C respectively, against the normal of 24.61 °C, 11.46 °C and 18.04 °C based on data of 1991-2020. Thus, average minimum and mean temperature were above normal with departure from normal of 0.43 °C and 0.33 °C respectively, while the average maximum temperature was near normal with departure from normal of 0.23 °C for the country as a whole. The daily variation of maximum and minimum temperature departure from normal over the country as a whole for January 2026 is shown in the Fig. 6(a) and (b) respectively.

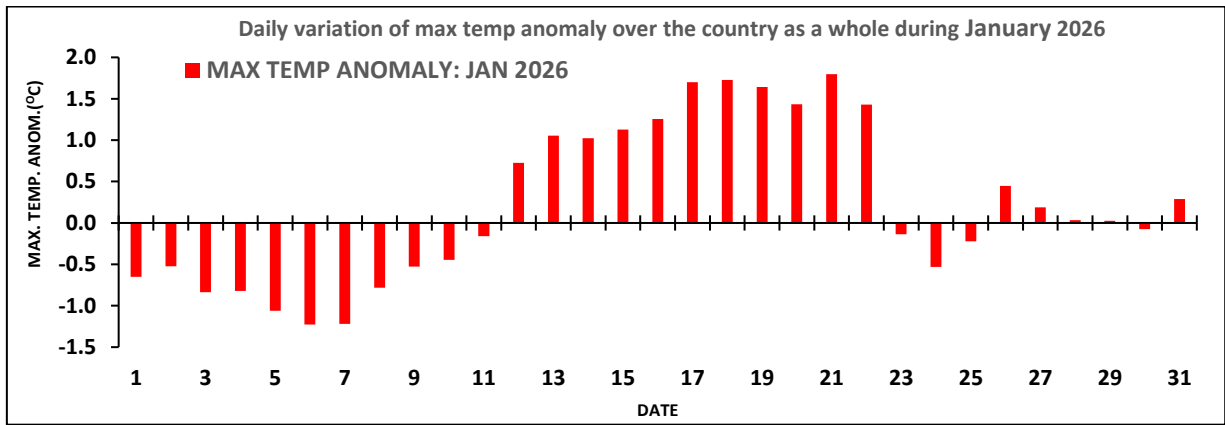


Fig. 6(a): Daily variation of maximum temperature anomaly (departure from normal) over the country as a whole for January 2026

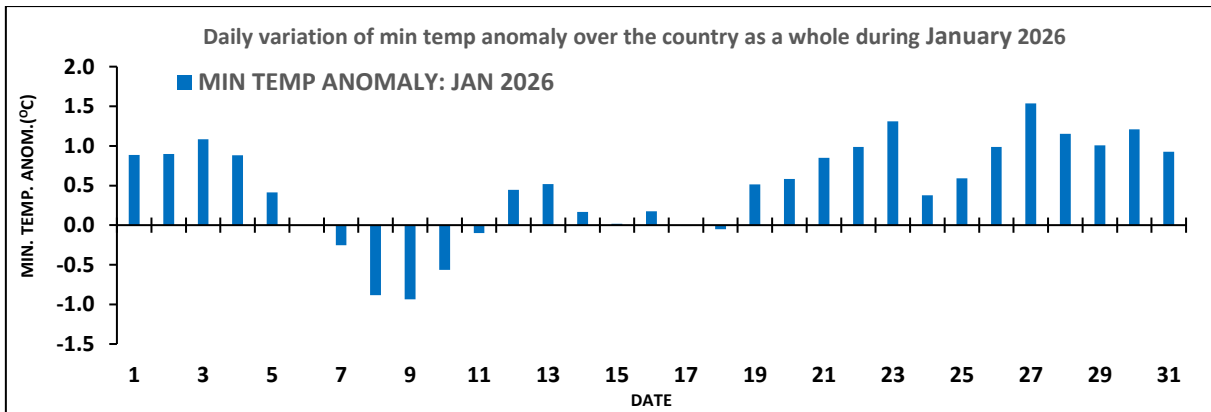


Fig. 6(b): Daily variation of minimum temperature anomaly (departure from normal) over the country as a whole for January 2026

Fig. 7 shows the time series of monthly average maximum, average minimum and mean temperature over the country as a whole for the month of January 1901-2026. Over the country during January, the average maximum temperature was the 34th highest and average minimum temperature was the 32nd highest since 1901. The mean temperature was the 26th highest since 1901.

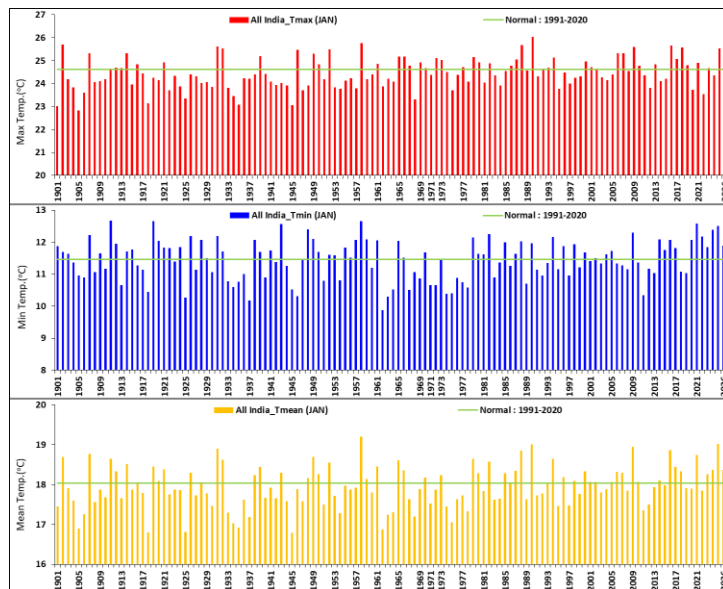


Fig. 7: Time series of monthly average maximum, average minimum and mean temperature over the country as a whole for the month of January 1901-2026

The Temperatures during January 2026 for all India and homogeneous regions with its top ranks since 1901 are given below:

JANUARY 2026		Max Temp (°C)	Min Temp (°C)	Mean Temp (°C)
ALL INDIA	ACTUAL	24.84	11.90	18.37
	NORMAL	24.61	11.46	18.04
	ANOMALY	0.23	0.43	0.33
	Rank since 1901	34	32	26
NORTHWEST INDIA	ACTUAL	18.87	6.13	12.50
	NORMAL	18.65	6.04	12.35
	ANOMALY	0.21	0.08	0.15
	Rank since 1901	48	53	45
EAST & NORTHEAST INDIA	ACTUAL	23.66	10.87	17.26
	NORMAL	22.36	10.13	16.24
	ANOMALY	1.30	0.74	1.02
	Rank since 1901	13	20	10
CENTRAL INDIA	ACTUAL	27.84	13.18	20.51
	NORMAL	27.76	12.52	20.14
	ANOMALY	0.08	0.66	0.37
	Rank since 1901	44	34	37
SOUTH PENINSULAR INDIA	ACTUAL	29.75	18.70	24.23
	NORMAL	30.23	18.41	24.32
	ANOMALY	-0.48	0.29	-0.09
	Rank since 1901	47	40	42

Note: Values are rounded off to the nearest two decimals.

The stations ever recorded the lowest minimum temperature during January 2026 is given in table below. A list of stations is given below with their previous record and date.

Lowest Minimum Temperature				
STATION NAME	NEW RECORD (°C)	DATE	PREVIOUS RECORD (°C)	DATE
		(JAN 2026)		
JHARSUGUDA	4.5	10-01-2026	5.6	07-01-2023
TEHRI	-2.6	24-01-2026	-2.4	31-01-2008

The observed spatial temperature pattern of monthly average maximum, average minimum and mean temperature over India and their departures from normal (1991 to 2020 period) for the month of January 2026 is given in Fig. 8.

TEMPERATURE & ITS ANOMOLY FOR THE MONTH JANUARY 2026

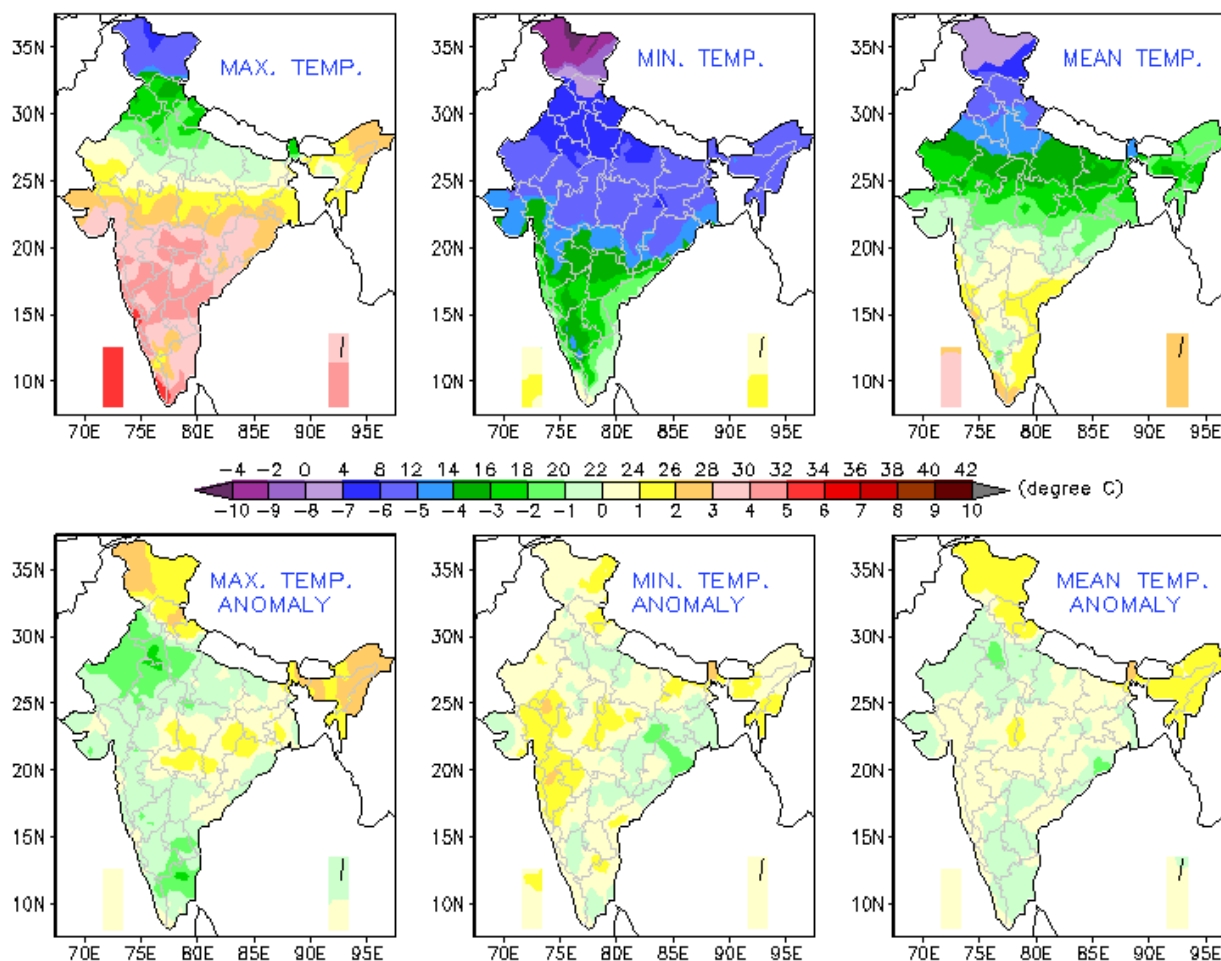


Fig. 8: Observed spatial temperature pattern of monthly average maximum, average minimum, and mean temperature over India (top three from left to right) and their departure from normal (1991 to 2020 period) for January 2026 (lower three from left to right)

5. Significant Weather Events:

During January, a total of six human fatalities, one injury and two livestock deaths were reported in the media in association with the said weather hazards. Event-wise details of the reported casualties are provided below. However, the official data on casualties and damages are maintained by the concerned State Governments. Map showing significant weather events during January 2026 is given in fig.9.

Event	Number of human deaths
Cold Wave	2 (Madhya Pradesh, Himachal Pradesh)
Lightning	4 (Rajasthan, Uttar Pradesh)

While, Nilgiris (Tamil Nadu) district was affected due to Extremely Heavy Rains.

During January, 15-23 days of Dense to Very Dense Fog (DF to VDF) days prevailed mainly over Indo Gangetic Plains covering Punjab, Haryana, Uttar Pradesh and Assam; 8-14 days over Rajasthan, Madhya Pradesh and Bihar, western Himalayan region covering Jammu and Kashmir, Himachal Pradesh and Uttarakhand and Nagaland, Manipur, Mizoram & Tripura. Cold Day conditions were subdued and it was of 3-5 days and was mainly

observed across Indo Gangetic Plains and Rajasthan, west Madhya Pradesh. Cold wave days were higher of 9-13 days observed over Himachal Pradesh and Jharkhand, while it was of 3-6 days across most met Sub-divisions of North and parts of Central India and Rajasthan. Fig. 10(a,b,c) show meteorological sub-divisionwise total days of Dense to Very Dense Fog (DF to VDF), Cold/Severe Cold Day and Cold/Severe Cold Wave formed during January 2026.

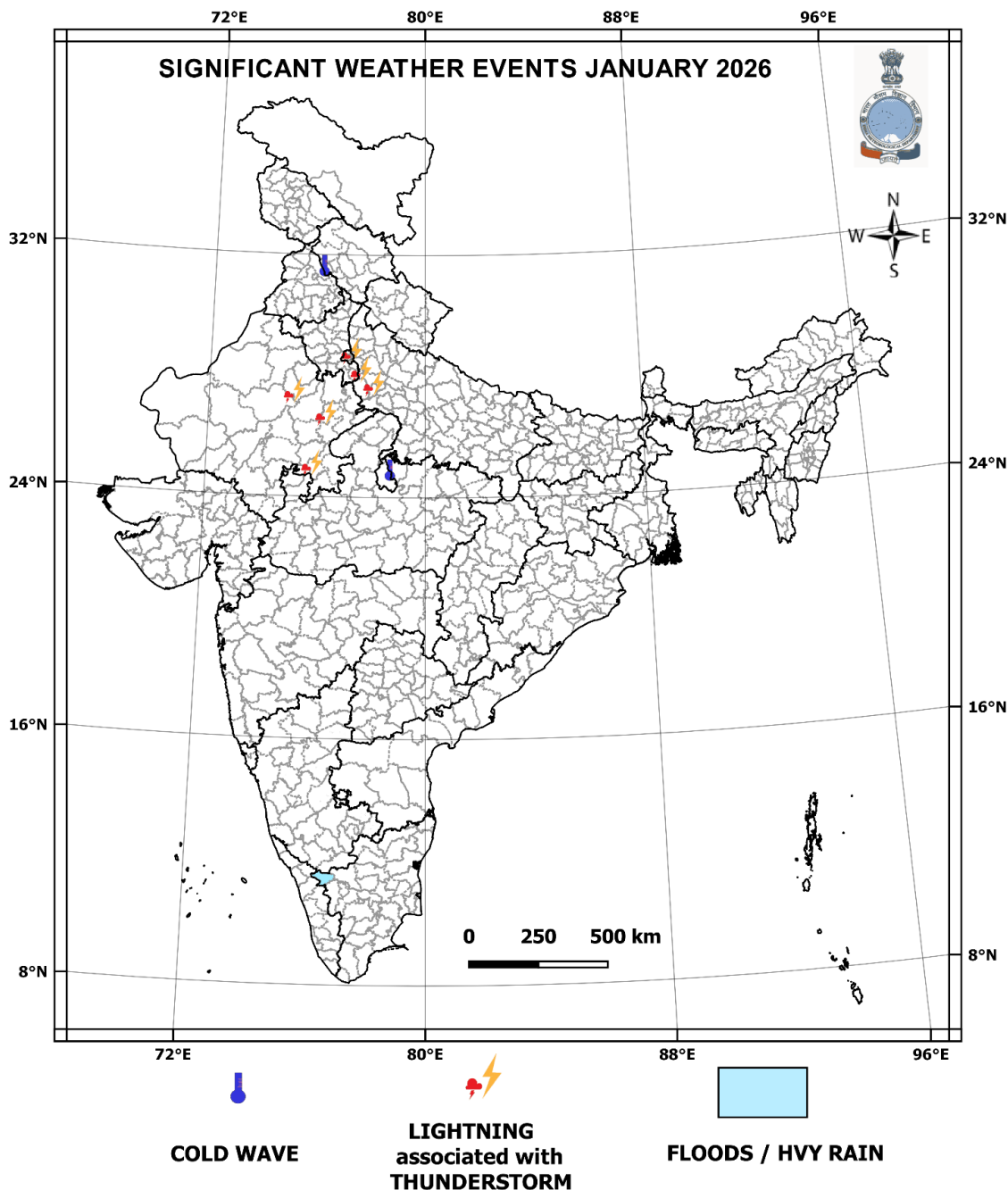


Fig. 9: Deaths and damages due to significant weather events during January 2026. (Based on real time media reports and other state government agencies)

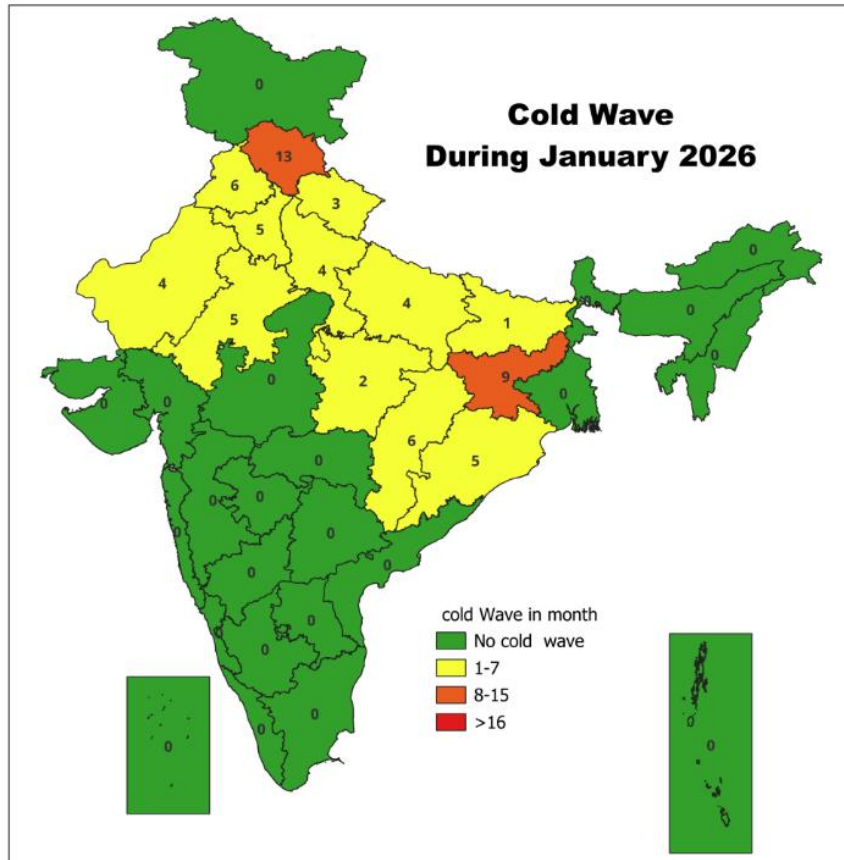


Fig. 10(c): Meteorological sub-division wise total days of Cold/Severe Cold Wave formed during January 2026.