



भारत सरकार

Government of India

पृथ्वी विज्ञान मंत्रालय (एम. ओ. ई. एस.)

Ministry of Earth Sciences (MoES)

भारत मौसम विज्ञान विभाग

INDIA METEOROLOGICAL DEPARTMENT

Climate Research and Services (CRS)



Monthly Climate Summary for May 2026

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

Rainfall over the country as a whole for the month of May 2026 was 63.3 mm which was 3% more than its Long Period Average (LPA) of 61.4 mm. Daily variation of the rainfall over the country as a whole during the month of May 2026 with normal based on data of 1971-2020 is presented in Fig. 1 (a). The all-India rainfall percentage departure from normal for May during 1901–2026 is shown in Fig. 1(b). The all-India rainfall for May 2026 was 63.3 mm, making it the 48th highest May rainfall since 1901 and the 13th highest since 2001, as illustrated in Fig. 1(c). Over Northwest India, rainfall amounted to 37.0 mm, ranking as the 35th highest since 1901 and the 9th highest since 2001 (Fig. 1(d)). Central India received 23.3 mm of rainfall, which was the 38th highest since 1901 and the 8th highest since 2001 (Fig. 1(e)). In contrast, East and Northeast India recorded 171.7 mm of rainfall, ranking as the 42nd lowest since 1901 and the 9th lowest since 2001, as shown in Fig. 1(f). Rainfall over South Peninsular India (85.3 mm) was 40th highest since 1901 and 12th highest since 2001 as shown in Fig. 1(g).

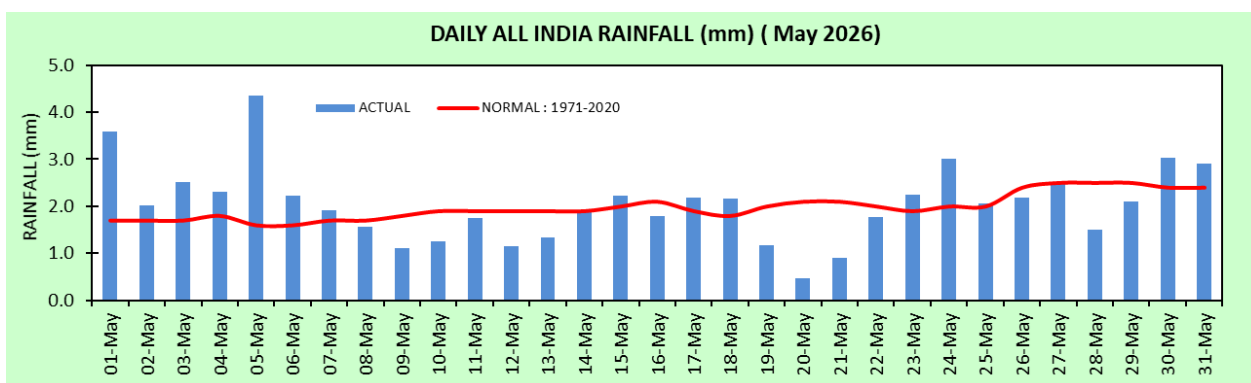


Fig.1 (a): Daily variation of rainfall over the country as a whole during May 2026.

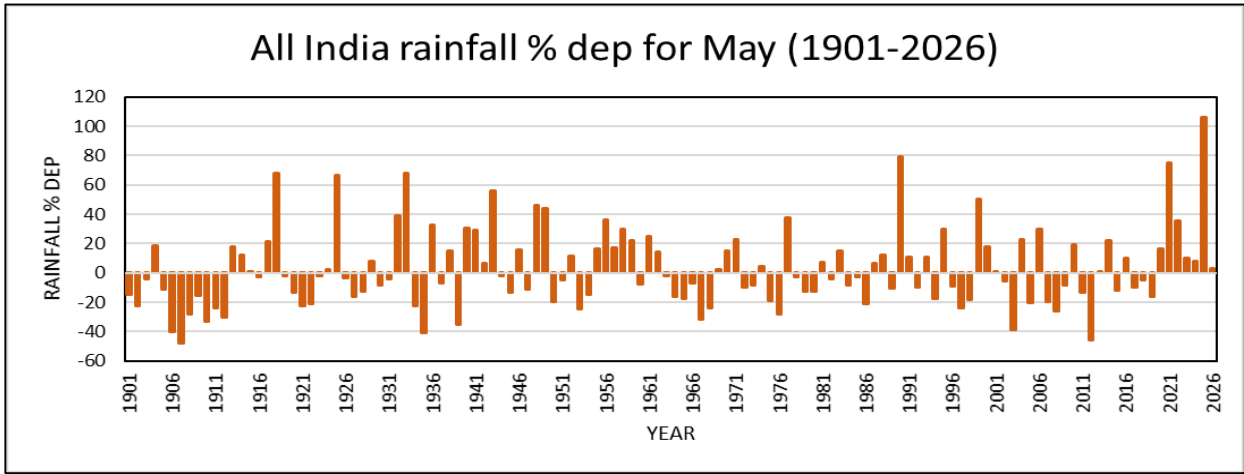


Fig. 1(b): All India monthly rainfall percentage departure from normal (1971-2020) for May from 1901-2026.

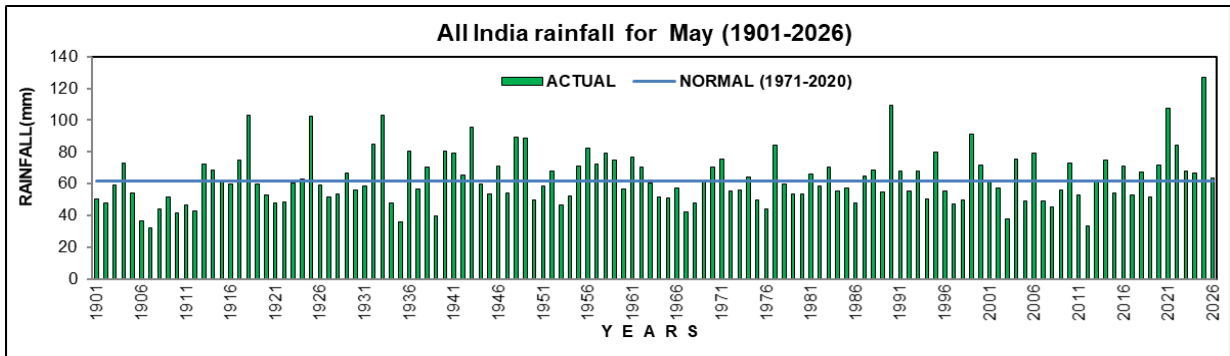


Fig. 1(c): Time series of area weighted rainfall over All India for May (1901 – 2026).

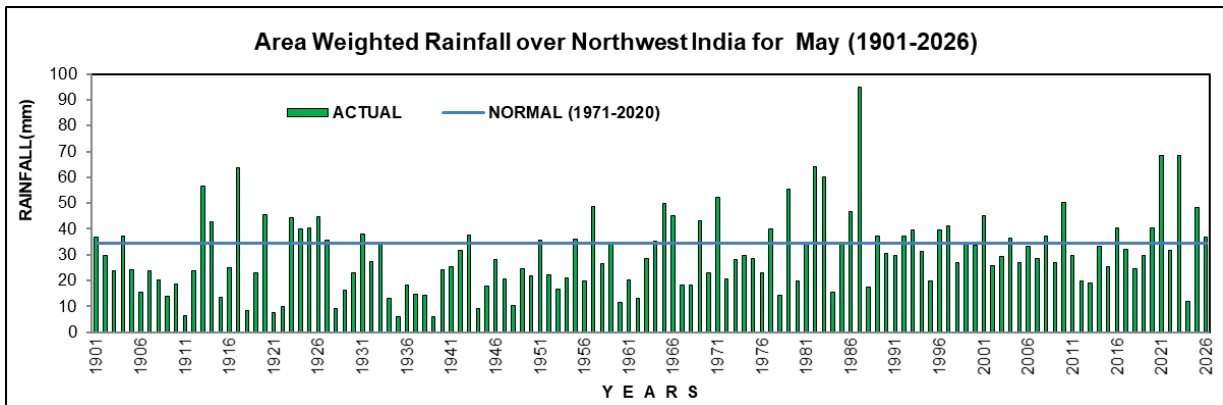


Fig. 1(d): Time series of area weighted rainfall over Northwest India for May (1901 – 2026).

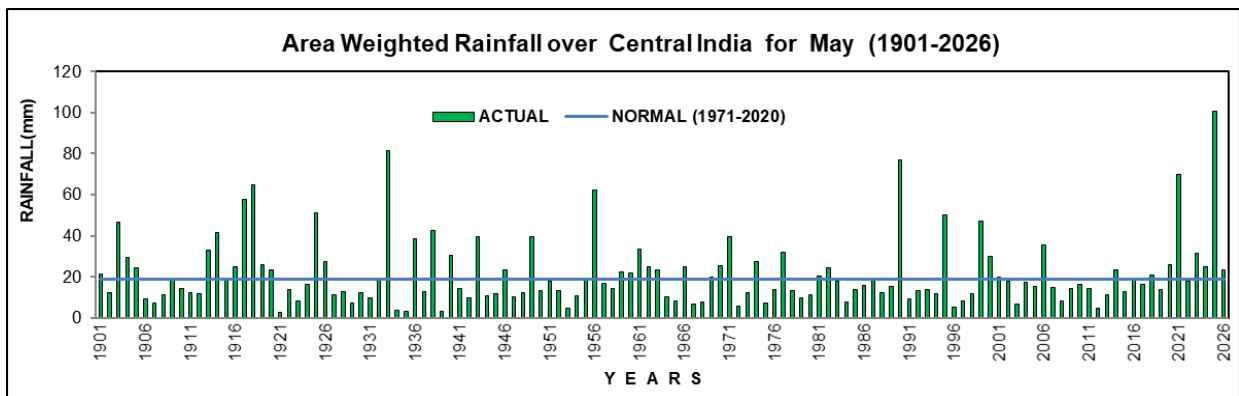


Fig. 1(e): Time series of area weighted rainfall over Central India for May (1901 – 2026).

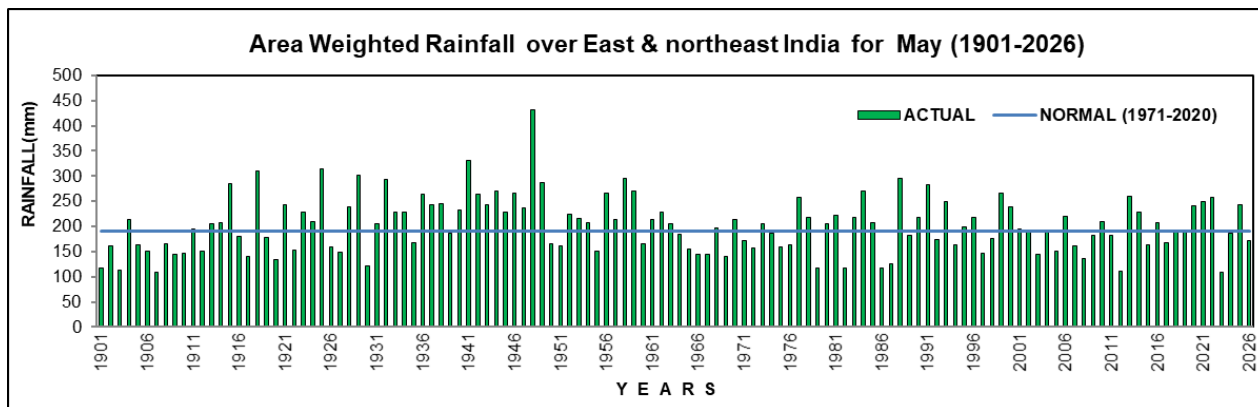


Fig. 1(f): Time series of area weighted rainfall over East & Northeast India for May (1901 – 2026).

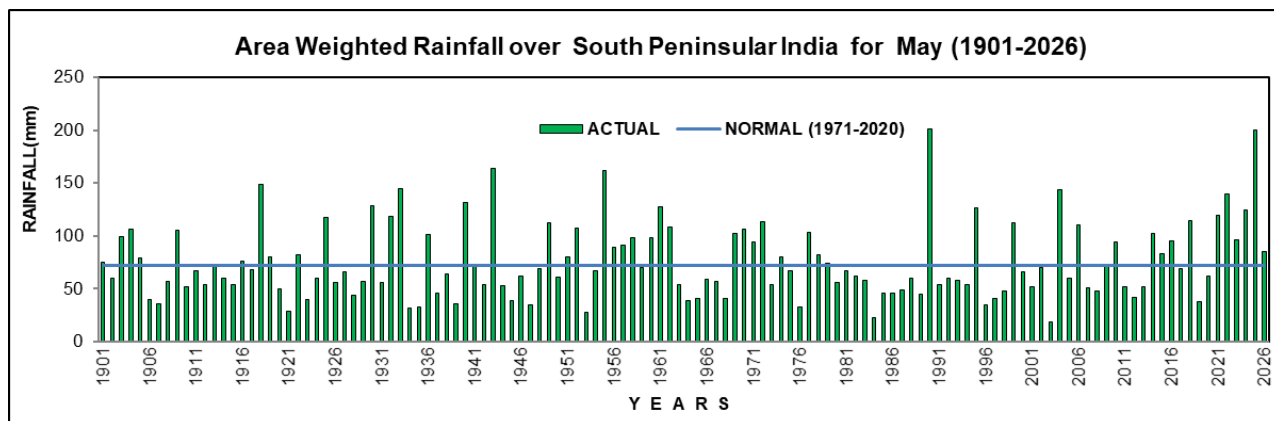


Fig. 1(g): Time series of area weighted rainfall South Peninsular India for May (1901 – 2026).

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

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	63.3	61.4	3.2
Northwest India	37.0	34.6	7.0
Central India	23.3	19.0	22.5
South Peninsula	85.3	71.8	18.9
East & Northeast India	171.7	189.9	-9.6

During this month, 8 subdivisions received large excess rainfall, 8 subdivisions received excess rainfall, 10 subdivisions received normal rainfall, 7 subdivisions received deficient rainfall and 3 subdivisions received large deficient rainfall. (Fig. 2).

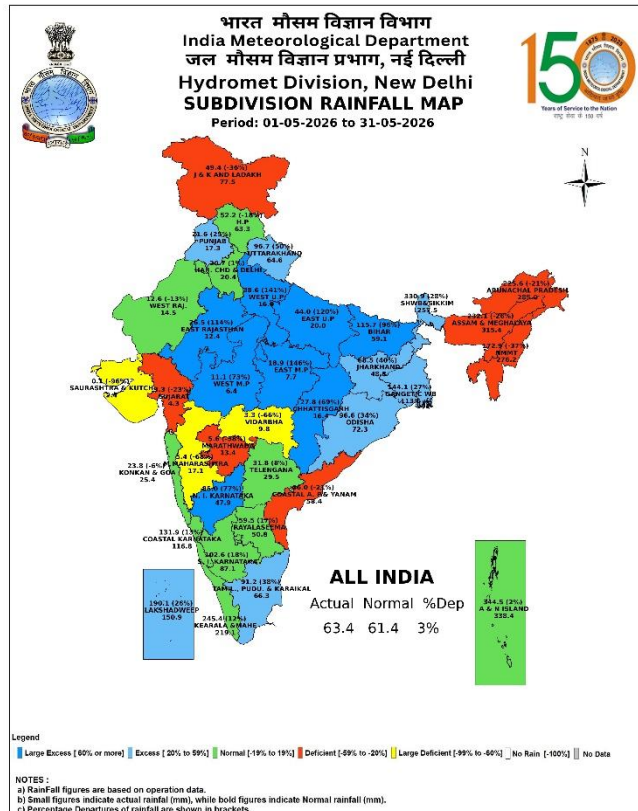


Fig 2: Subdivision-wise rainfall distribution for May 2026.

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

RAINFALL OVER THE COUNTRY FOR MAY 2026

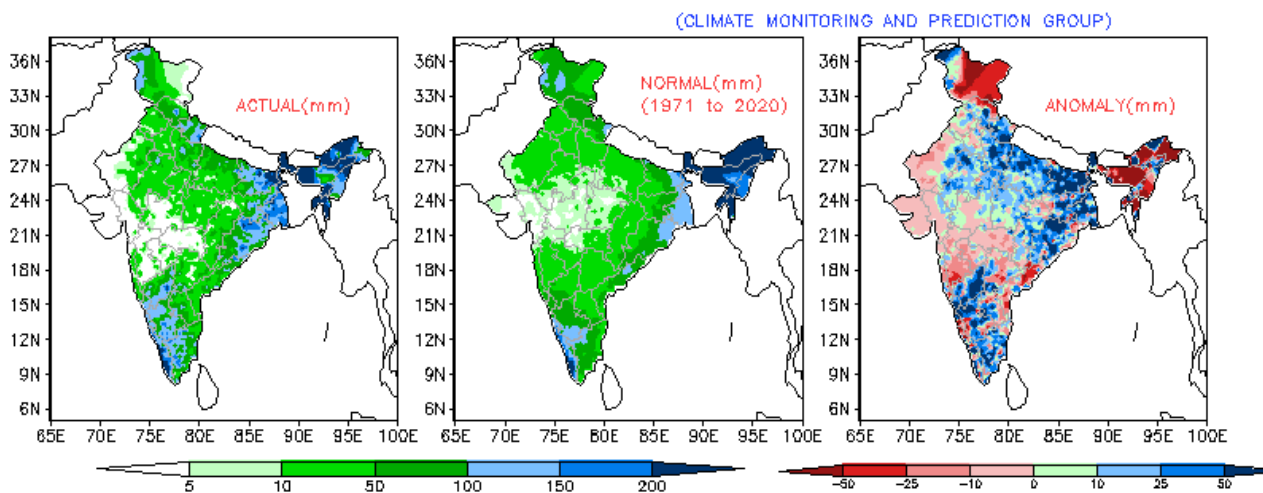


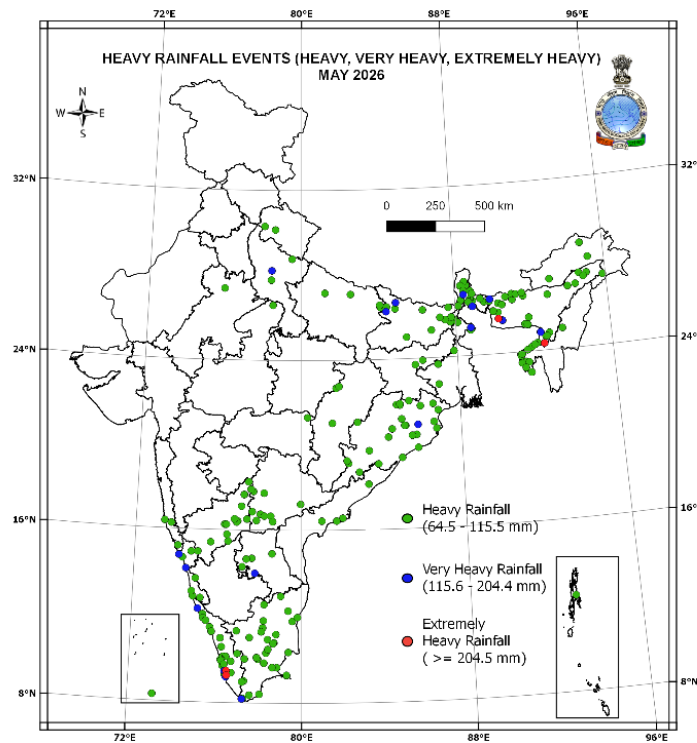
Fig. 3: Observed spatial Rainfall pattern for the month May 2026 over India and their departure from normal (1971 to 2020 period).

Departure from normal is anomaly = actual rainfall - normal rainfall.

2. Frequency of Heavy Rainfall events

May 2026 witnessed heavy rainfall events over Northeast region and Peninsular region. The location of occurrences of heavy rainfall events is shown in the Fig. 4. Out of total 225 occasions, 204 were Heavy rainfall (64.5 to 115.5 mm) categories, 17 were Very Heavy rainfall (115.6 to 204.4 mm) categories and 4 were Extremely Heavy rainfall (>204.4

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 rainfall events in the month of May 2026.

2. Chief Synoptic weather features observed during May 2026.

Southwest monsoon advanced into some parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, many parts of Andaman Sea, entire Nicobar Islands and some parts of Andaman Islands including Sri Vijaya Puram on 16th May 2026 against the normal date of 22nd May. Southwest monsoon further advanced into some more parts of southeast Arabian Sea, some parts of Comorin area, some more parts of southwest and southeast Bay of Bengal, most parts of Andaman Sea, entire Andaman & Nicobar Islands and some parts of east central Bay of Bengal on 18th May 2026. It remained practically at this position till 22nd May. The southwest monsoon further advanced into some parts of southwest Arabian Sea, some more parts of southeast Arabian Sea, Comorin area, southwest, southeast & eastcentral Bay of Bengal and most parts of Andaman Sea on 23rd May. It further advanced into some more parts of southwest & southeast Arabian Sea, some parts of Lakshadweep area, some more parts of southwest, southeast and eastcentral Bay of Bengal, remaining parts of Andaman Sea and some parts of westcentral Bay of Bengal on 27th May. Southwest monsoon further advanced into some more parts of southwest & southeast Arabian Sea, Lakshadweep Islands, Comorin area, southwest, southeast, westcentral and eastcentral Bay of Bengal, and some parts of northeast Bay of Bengal on 30th May 2026.

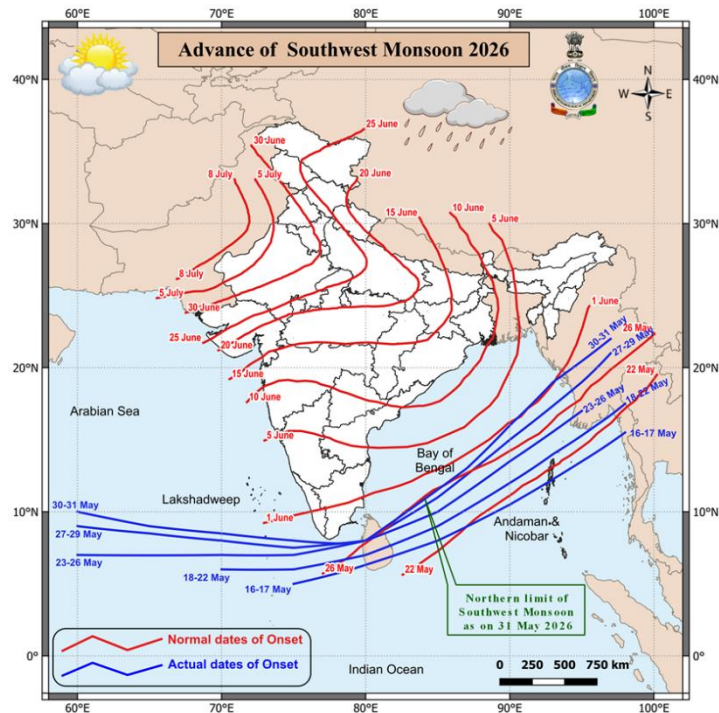


Fig. 5: Isochrones of the advance of southwest monsoon during the month of May 2026

Western Disturbances: During the month, 7 Western Disturbances (WDs) (1-12th; 10th-14th; 15th-16th; 15th-17th; 17th-21th; 20th-26th; 28th May onwards) impacted Western Himalayan Region and Northeast India.

Heat Wave conditions: 1 – 5 heat wave days were observed over northern subdivisions, Odisha, Coastal Andhra Pradesh, Telangana, East Rajasthan and Saurashtra & Kutch. 6 -10 heat wave days were observed over East Uttar Pradesh, West Uttar Pradesh, Haryana, Chandigarh and Delhi, West Rajasthan, East Madhya Pradesh and Chhattisgarh. More than 10 no of heat wave days were observed over West Madhya Pradesh and Vidarbha.

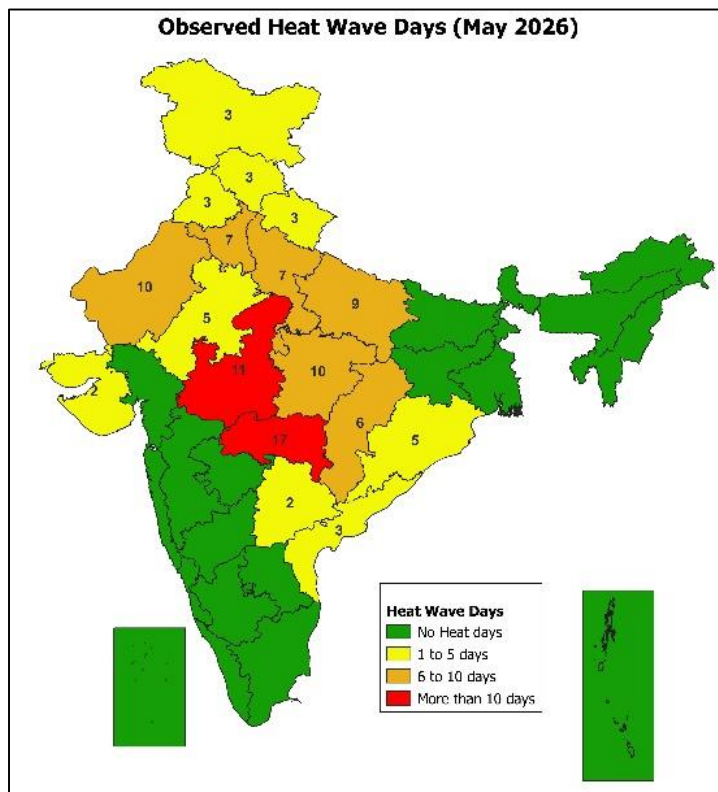


Fig. 5: Sub-division wise number of Heat Wave days in the month of May 2026.

Low pressure area: One well marked low pressure area formed during 11 to 16 May over Bay of Bengal.

4. Characteristics of Temperatures for the month of May 2026

The average maximum, average minimum and mean temperature for the country as a whole during May 2026 were 36.52°C, 24.34°C and 30.43°C respectively, against the normal of 36.60°C, 24.17°C and 30.38°C based on data of 1991-2020. Thus, the average maximum and mean temperature were below/near normal with departure from normal of - 0.08°C and +0.05°C respectively, while average minimum temperature was above normal with departure from normal of +0.17°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 May 2026 is shown in the Fig. 6(a) and (b) respectively.

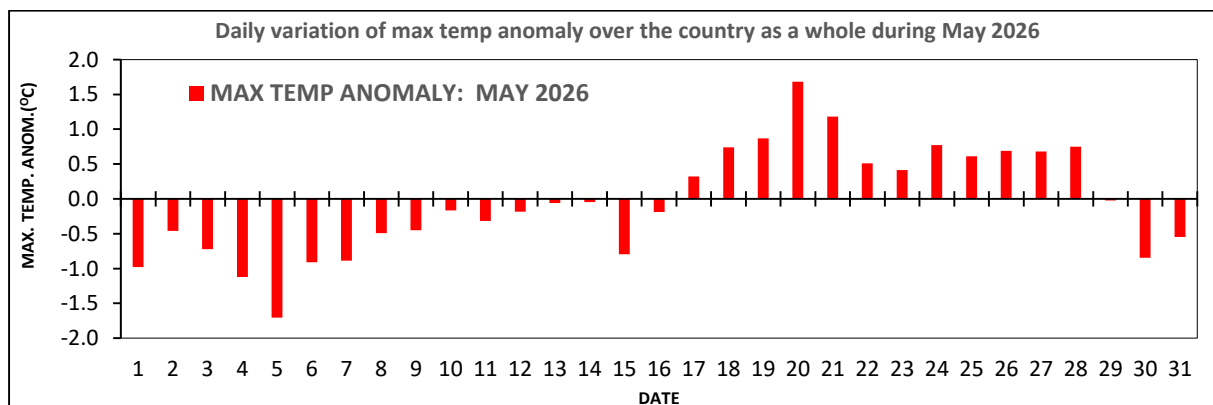


Fig. 6(a): Daily variation of maximum temperature anomaly (departure from normal) over the country as a whole for May 2026

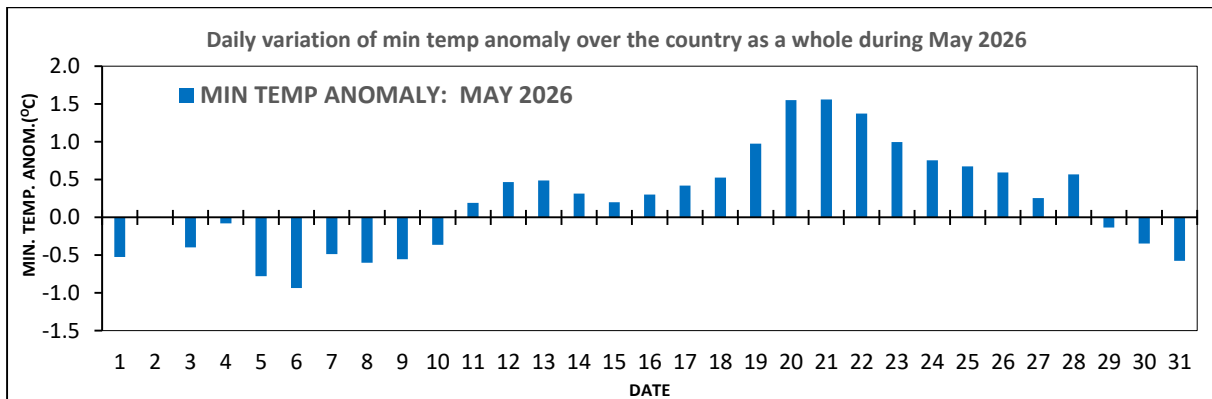


Fig. 6(b): Daily variation of minimum temperature anomaly (departure from normal) over the country as a whole for May 2026

Figure 7 presents the time series of the countrywide monthly average maximum, average minimum, and mean temperatures for May during 1901–2026. During May 2026, the average maximum temperature over the country ranked as the 51st highest on record since 1901, while the average minimum temperature was the 45th highest. The mean temperature for the country as a whole was the 48th highest since 1901.

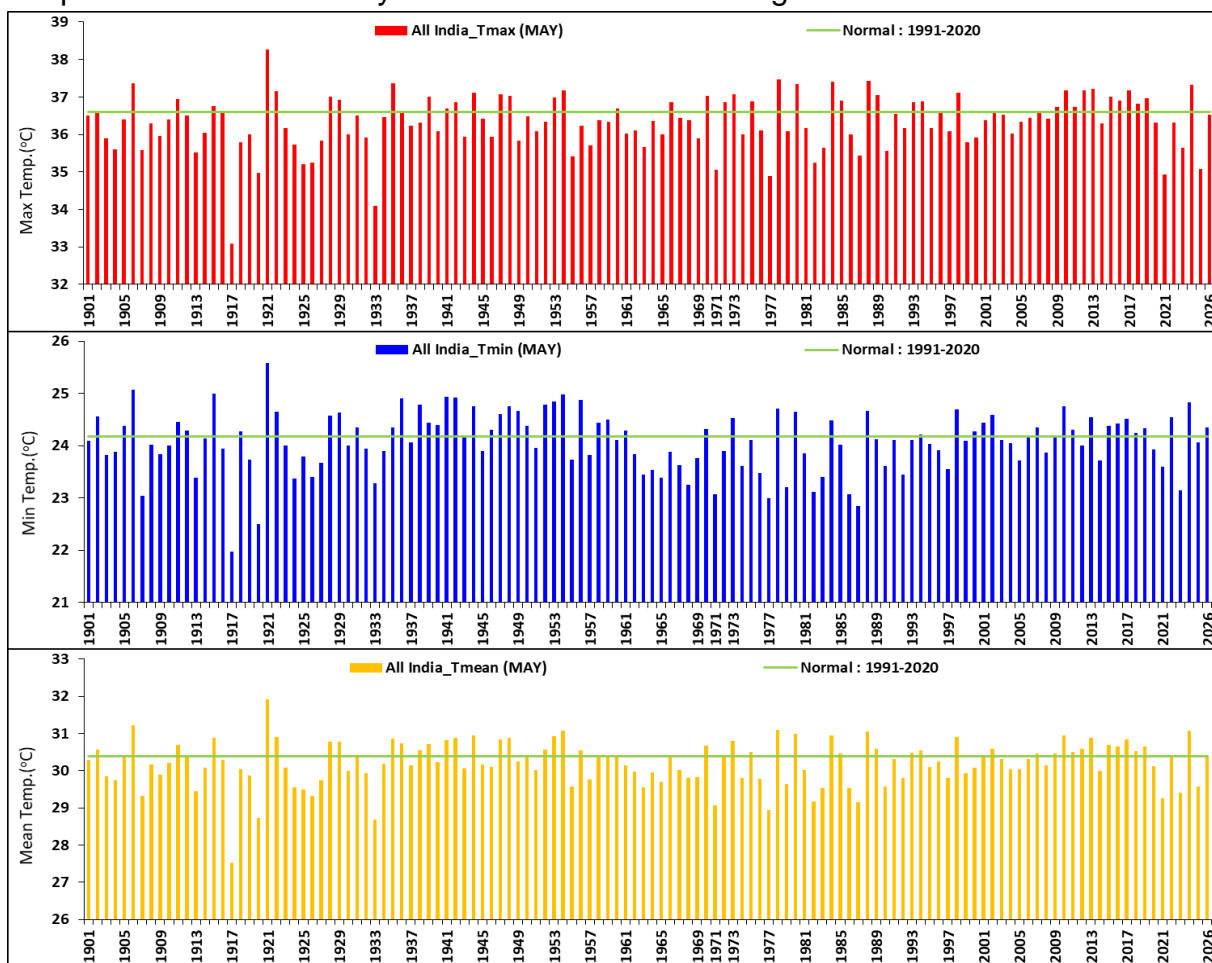


Fig. 7: Time series of monthly average maximum, average minimum and mean temperature over the country as a whole for the month of May 1901-2026

The temperatures during May 2026 for all India and homogeneous regions with its top and bottom ranks since 1901 are given below:

MAY 2026		Max Temp (°C)	Min Temp (°C)	Mean Temp (°C)
ALL INDIA	ACTUAL	36.52	24.34	30.43
	NORMAL	36.60	24.17	30.38
	ANOMALY	-0.08	0.17	0.05
	Rank since 1901	51	45	48
NORTHWEST INDIA	ACTUAL	36.55	22.68	29.62
	NORMAL	36.55	22.37	29.46
	ANOMALY	0.004	0.31	0.16
	Rank since 1901	56	44	49
EAST & NORTHEAST INDIA	ACTUAL	32.01	22.54	27.27
	NORMAL	32.60	22.80	27.70
	ANOMALY	-0.59	-0.26	-0.42
	Rank since 1901	96	78	88
CENTRAL INDIA	ACTUAL	39.67	26.24	32.96
	NORMAL	39.26	25.88	32.57
	ANOMALY	0.40	0.36	0.38
	Rank since 1901	26	29	28
SOUTH PENINSULAR INDIA	ACTUAL	35.96	25.50	30.73
	NORMAL	36.38	25.41	30.90
	ANOMALY	-0.43	0.08	-0.17
	Rank since 1901	67	49	60

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

Some stations ever recorded the highest maximum and lowest minimum temperature during May 2026. A list of stations is given below with their previous record and date.

Highest Maximum Temperature				
STATION NAME	NEW	DATE	PREVIOUS	DATE
	RECORD (°C) #	(MAY 2026)	RECORD (°C)	
MALANJKHAND	45.5	28-05-2026	44.5	27-05-2017
RAJNANDGAON	47	21-05-2026	46.7	22-05-1989
RATLAM	46.5	12-05-2026	46.2	25-05-2024
Lowest Minimum Temperature				
STATION NAME	NEW	DATE	PREVIOUS	DATE
	RECORD (°C) #	(MAY 2026)	RECORD (°C)	
BASTI	18.5	05-05-2026	19.3	31-05-2014
DAMOH	15.8	02-05-2026	17.5	30-05-2017
FURSATGANJ	17.9	07-05-2026	18	03-05-2024
RAJGARH	16.0	05-05-2026	16.7	09-05-1960
SOLAN (NAUNI)	4.8	04-05-2026	7	09-05-2024
WASHIM	18.8	09-05-2026	20	03-05-2021

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 May 2026 is given in Fig. 8.

TEMPERATURE & ITS ANOMOLY FOR THE MONTH MAY 2026

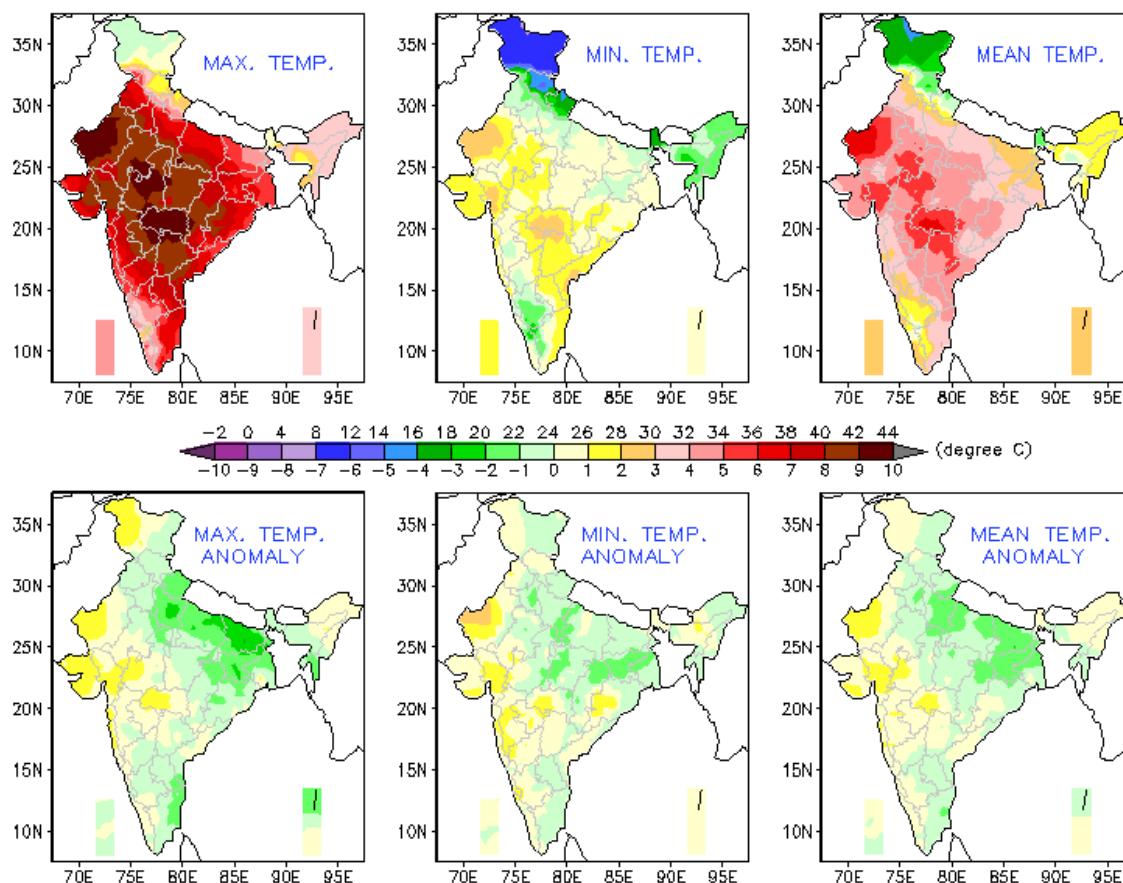
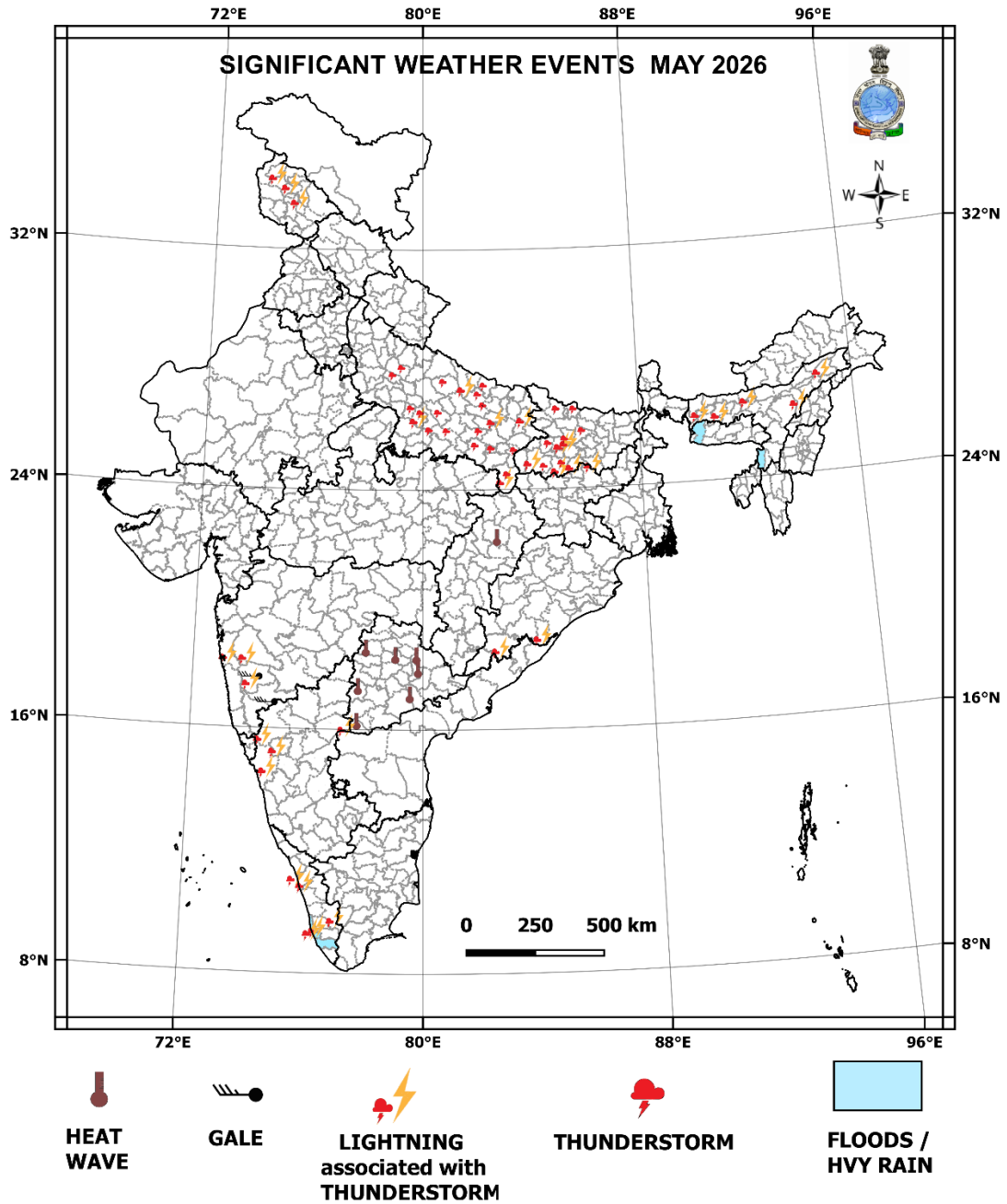


Fig. 8: Observed spatial temperature pattern of monthly average maximum, average minimum, and mean temperature over India (top three from left to right) and their departure from normal (1991 to 2020 period) for May 2026 (lower three from left to right)

5. Significant Weather Events:

During May, a total of 175 persons reportedly died, about 116 persons reportedly injured and more than 1970 livestock perished because of the mentioned hazards, as per the real time media report. The details of event-wise casualties are given below. However, the actual data on casualties and damages may be available to concerned state governments.

Event	Loss of life due to extreme weather events based on available real-time media reports
Thunderstorm	105 (Uttar Pradesh, Bihar)
Lightning	45 (Bihar, Uttar Pradesh, Kerala, Assam, Karnataka, Maharashtra, Odisha, Jammu and Kashmir)
Heat Wave	16 (Telangana)
Gale	8 (Maharashtra)
Floods and Heavy Rains	1 (Kerala)



**Fig. 9: Significant Weather Events during May 2026
(Based on real time media reports)**