



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release  
Date: 13<sup>th</sup> May 2026  
Time of Issue: 1345 hours IST

**Subject: (i) Conditions are becoming favourable for the advance of southwest monsoon over parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands around 16<sup>th</sup> May, 2026.**  
**(ii) Heat wave to severe heat wave conditions likely to prevail over northwest, West and parts of central India during many days of the week.**  
**(iii) Isolated heavy to very heavy rainfall also likely over northeast India during 13<sup>th</sup> to 19<sup>th</sup> and over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and South Interior Karnataka during next 13<sup>th</sup> -17<sup>th</sup> May.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 13<sup>th</sup> May, 2026:**

- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Gangetic West Bengal, Sikkim, Bihar, Coastal Karnataka and **very heavy rainfall** at isolated places over Assam & Meghalaya.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-100 kmph** prevailed at isolated places over Bihar, Haryana, Jharkhand, Tripura, Uttar Pradesh and **with speed reaching 30-50 kmph** prevailed at isolated places over Madhya Pradesh, Vidarbha, Gujarat State, Konkan, Madhya Maharashtra, Marathawada, Uttarakhand, West Rajasthan, Tamil Nadu, Puducherry & Karaikal, Assam & Meghalaya.
- ❖ **Hailstorm** reported at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Haryana, West Uttar Pradesh, West Madhya Pradesh.
- ❖ **Heat Wave to Severe Heat Wave conditions** prevailed in isolated pockets over Saurashtra & Kutch, West Rajasthan; **Heat wave conditions** in isolated pockets over Vidarbha, Gujarat Region, Marathawada, Madhya Maharashtra.
- ❖ **Warm Night conditions** prevailed at isolated places over Vidarbha.

**Temperature Conditions during past 24 hours till 0830 hours IST of today:**

- ❖ **Maximum Temperatures (as on 12-05-2026):** Yesterday, Maximum temperatures were in the range of 42°C & above over most parts of the Rajasthan, Gujarat state, Marathwada, Vidarbha, West Madhya Pradesh; at a few places over Madhya Maharashtra; these were in the range of 34-42°C over most parts of Haryana-Chandigarh-Delhi, Uttar Pradesh, Jharkhand, Chhattisgarh, Odisha, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka, Konkan & Goa, Telangana, East Madhya Pradesh and below 34°C over rest parts of the country. **Yesterday, the highest maximum temperature of 48.3°C was reported at BARMER (RAJASTHAN).**
- ❖ **Maximum Temperature Departures (as on 12-05-2026):** Yesterday, Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) over West Rajasthan, West Madhya Pradesh, Gujarat Region, Madhya Maharashtra, Marathawada; above normal (1.6°C to 3.0°C) over East Rajasthan, Saurashtra & Kutch, Assam, Konkan & Goa, Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal. These were below normal/near normal over rest parts of the country.
- ❖ **Minimum temperatures** were appreciably above normal (3.1°C to 5.0°C) over southwest Rajasthan, Gujarat Region, Maharashtra; above normal (1.6°C to 3.0°C) over Punjab, Haryana, Assam, Saurashtra & Kutch, Madhya Pradesh, Interior Karnataka and below normal or near normal over rest parts of the country.

**Weather Systems, Forecast and Warnings (refer to ANNEXURE I & II):**

- ❖ Conditions are becoming favourable for the advance of **southwest monsoon** over parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands around 16<sup>th</sup> May, 2026.
- ❖ The low-pressure area over southwest & adjoining westcentral Bay of Bengal lay as a **well-marked low-pressure area** over the same region at 0830 Hrs IST of today, the 13<sup>th</sup> May 2026.
- ❖ The **Western Disturbance** as an **upper air cyclonic circulation** over North Pakistan & neighbourhood lies over Jammu in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over south Haryana & neighbourhood in lower tropospheric levels.

- ❖ An **upper air cyclonic circulation** lies over northwest Uttar Pradesh & adjoining Uttarakhand in lower Tropospheric levels.
- ❖ An **upper air cyclonic circulation** over Southwest Madhya Pradesh & neighbourhood in lower tropospheric levels.
- ❖ An east-west **trough runs** from upper air cyclonic circulation over Southwest Madhya Pradesh to Manipur in lower tropospheric levels.
- ❖ A **trough** in westerly roughly along Long. 89°E to the north of Lat. 22°N in lower Tropospheric levels.
- ❖ A north-south **trough** runs from Southwest Madhya Pradesh to South Interior Karnataka in lower tropospheric levels.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 15<sup>th</sup> May 2026.

**Under the influence of above systems, the following weather is likely:**

#### **Northwest India:**

- ❖ **Scattered to Fairly widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 13<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup>; Uttarakhand on 13<sup>th</sup> & 14<sup>th</sup>; with **thunderstorms, lightning likely** over Himachal Pradesh on 14<sup>th</sup> May.
- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-60 kmph)** likely over Punjab, Haryana Chandigarh on 13<sup>th</sup> & 14<sup>th</sup>; Uttar Pradesh on 13<sup>th</sup>, Rajasthan on 13<sup>th</sup> May.

#### **Northeast India:**

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Nagaland, Manipur, Mizoram & Tripura during 13<sup>th</sup> -17<sup>th</sup>; Assam & Meghalaya during 14<sup>th</sup>-17<sup>th</sup> May; with **thunderstorms, lightning likely** over Arunachal Pradesh during 13<sup>th</sup> – 17<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 13<sup>th</sup> & during 15<sup>th</sup>-18<sup>th</sup>, Assam & Meghalaya during 15<sup>th</sup> – 19<sup>th</sup>, Nagaland, Manipur, Mizoram during 13<sup>th</sup> –15<sup>th</sup>; Tripura during 13<sup>th</sup> –15<sup>th</sup> & on 18<sup>th</sup> & 19<sup>th</sup> May with **Isolated very heavy rainfall over** Arunachal Pradesh on 14<sup>th</sup> & 18<sup>th</sup>, Assam & Meghalaya on 13<sup>th</sup> & 14<sup>th</sup> May.

#### **East India:**

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty/squally winds (speed reaching 30-60 kmph)** likely over Andaman & Nicobar Islands during 13<sup>th</sup> – 19<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 13<sup>th</sup> – 16<sup>th</sup>; Gangetic West Bengal on 13<sup>th</sup> & 14<sup>th</sup>; Bihar during 13<sup>th</sup> – 15<sup>th</sup> & on 17<sup>th</sup>; Jharkhand on 13<sup>th</sup> & during 15<sup>th</sup> – 18<sup>th</sup>; Odisha during 13<sup>th</sup> – 15<sup>th</sup> May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jharkhand on 14<sup>th</sup>; Bihar on 16<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 13<sup>th</sup> -19<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim during 14<sup>th</sup> -16<sup>th</sup> May with isolated **very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 13<sup>th</sup> May.

#### **Central India:**

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh; Vidarbha on 13<sup>th</sup>; Chhattisgarh during 13<sup>th</sup>-17<sup>th</sup> May.

#### **South Peninsular India:**

- ❖ **Scattered to fairly widespread thunderstorms, lightning & gusty winds (30-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal, Lakshadweep on 13<sup>th</sup> & 14<sup>th</sup>; Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema; South Interior Karnataka during 13<sup>th</sup> – 17<sup>th</sup>; Telangana during 13<sup>th</sup> – 15<sup>th</sup>, Coastal Karnataka, North Interior Karnataka on 13<sup>th</sup>, with **thunderstorms, lightning likely over** Coastal Karnataka on 14<sup>th</sup> & 15<sup>th</sup> May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over North Interior Karnataka on 14<sup>th</sup> & 15<sup>th</sup> May.
- ❖ **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 14<sup>th</sup> - 17<sup>th</sup>, Kerala & Mahe during 13<sup>th</sup> – 16<sup>th</sup>; South Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup> May.
- ❖ Isolated **Hailstorm activity** likely over South Interior Karnataka on 15<sup>th</sup> May.

### Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 4-6°C likely over Northwest India during 13<sup>th</sup> -19<sup>th</sup> May.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over central India till 17<sup>th</sup> May and no significant change on 18<sup>th</sup> & 19<sup>th</sup> May.
- ❖ Gradual rise in maximum temperatures by 2-4°C likely over East India till 17<sup>th</sup> May and no significant change on 18<sup>th</sup> & 19<sup>th</sup> May.
- ❖ No significant change in maximum temperatures likely over Gujarat till 14<sup>th</sup> May and gradual fall by 2-4°C during 15<sup>th</sup> -19<sup>th</sup> May.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over Maharashtra till 16<sup>th</sup> May and gradual fall by 2-3°C during 17<sup>th</sup> -19<sup>th</sup> May.
- ❖ No significant change in maximum temperatures likely over rest parts of the country till 19<sup>th</sup> May 2026.

### Heat Wave, Hot & Humid weather and Warm night conditions warning:

- ❖ **Heat wave conditions at many places with severe heat wave conditions in isolated pockets** likely to prevail over West Rajasthan during 13<sup>th</sup> to 15<sup>th</sup>; West Madhya Pradesh during 13<sup>th</sup> – 17<sup>th</sup>
- ❖ **Heat wave conditions** in isolated pockets likely to prevail over Uttar Pradesh during 16<sup>th</sup> – 19<sup>th</sup>; Punjab, Haryana Chandigarh & Delhi during 17<sup>th</sup> – 19<sup>th</sup>; East Rajasthan during 13<sup>th</sup> – 19<sup>th</sup>; East Madhya Pradesh during 15<sup>th</sup> – 17<sup>th</sup>; Vidarbha during 13<sup>th</sup> – 19<sup>th</sup>; Chhattisgarh during 16<sup>th</sup> – 19<sup>th</sup>; Madhya Maharashtra, Marathwada, Saurashtra & Kutch, Gujarat Region on 13<sup>th</sup> & 14<sup>th</sup>; Telangana 15<sup>th</sup> – 19<sup>th</sup> May.
- ❖ **Warm night conditions** likely to prevail in isolated pockets over West Rajasthan during 13<sup>th</sup>-19<sup>th</sup>; East Rajasthan during 13<sup>th</sup> – 15<sup>th</sup>; Vidarbha, Marathwada on 13<sup>th</sup> & 14<sup>th</sup>; Madhya Maharashtra on 13<sup>th</sup>, May.
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Konkan & Goa on 13<sup>th</sup> & 14<sup>th</sup> May 2026.

### Fisherman Warning:

Fishermen are advised not to venture into the following areas during 13th May to 18th May, 2026:

- ❖ Bay of Bengal: Over many parts of southwest Bay of Bengal and adjoining, some parts of southeast, westcentral & eastcentral Bay of Bengal on 13th May; some parts of eastcentral Bay of Bengal and adjoining parts of westcentral Bay of Bengal on 14th May; over Andaman Sea from 14th to 18th May.
- ❖ Arabian Sea: No warning.

### Weather conditions and forecast over Delhi/NCR during 13<sup>th</sup> -16<sup>th</sup> May, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

### Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):

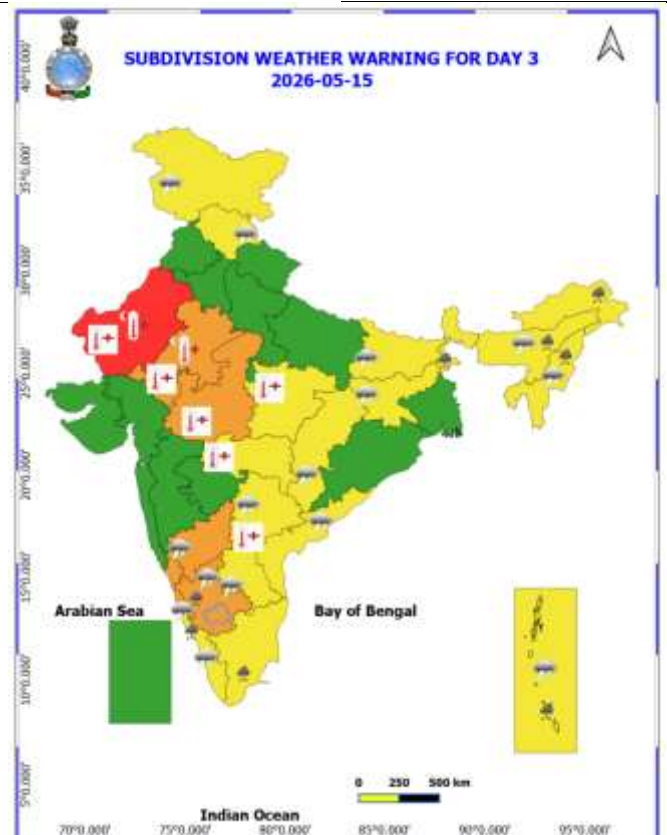
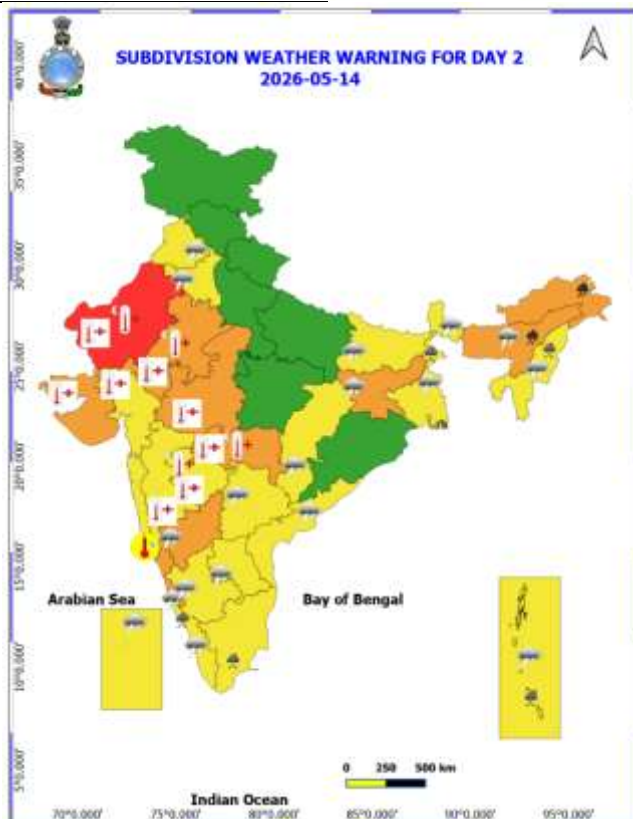
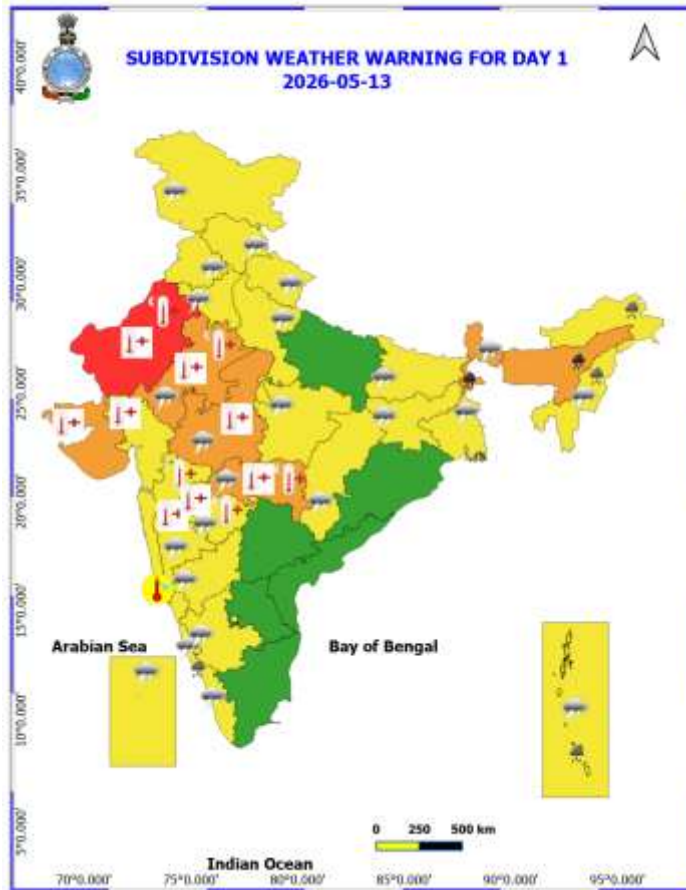
- ❖ Assam & Meghalaya : Mineng (15)
- ❖ Coastal Karnataka: Mangaluru 8,
- ❖ Gangetic West Bengal: Nalhati (10)
- ❖ Sub-Himalayan West Bengal & Sikkim: Tadong (10)
- ❖ Bihar: Purnea (11)

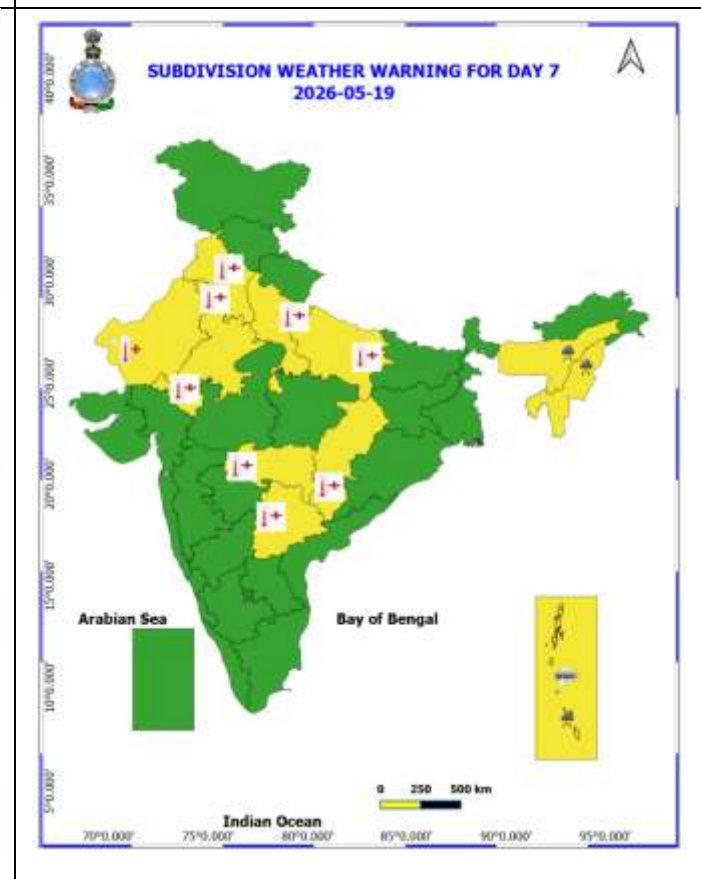
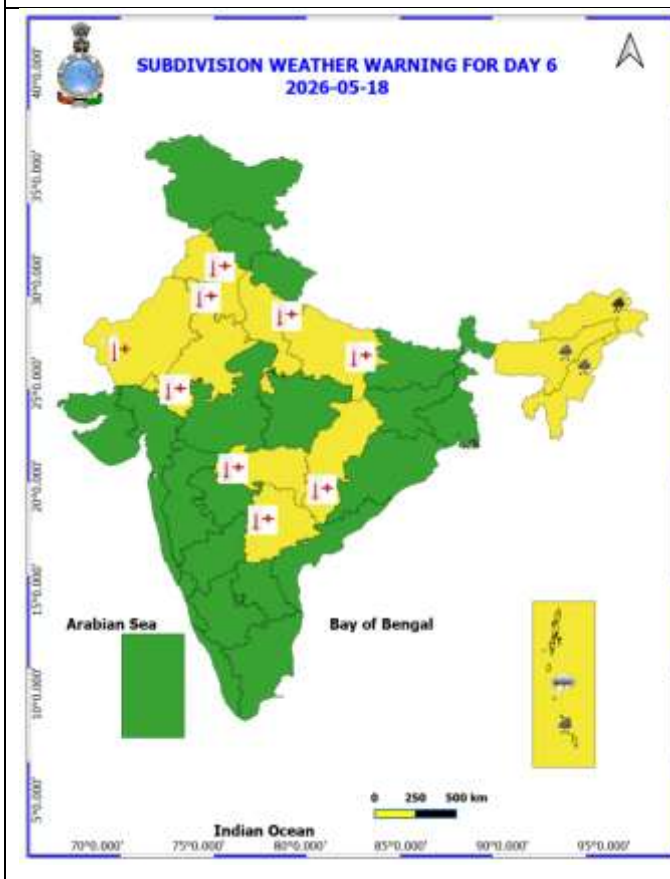
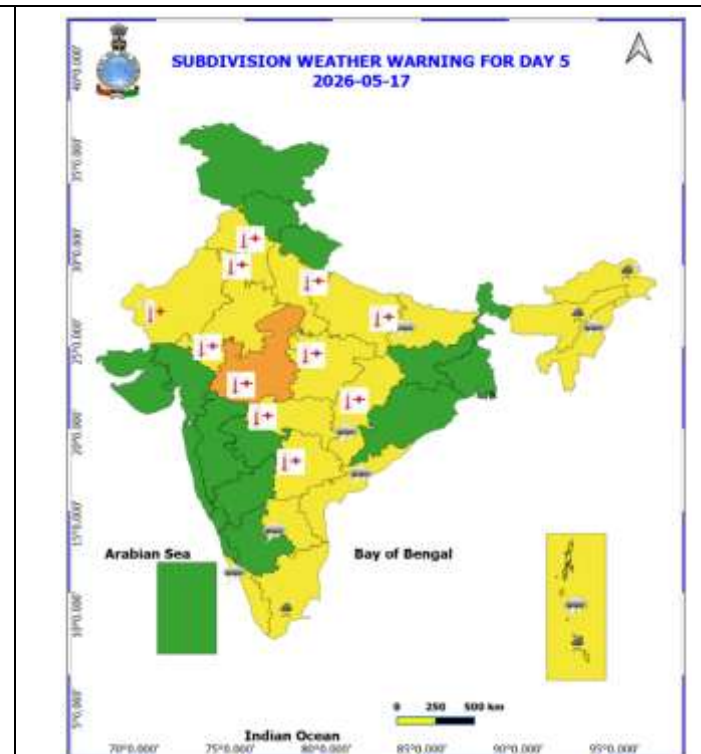
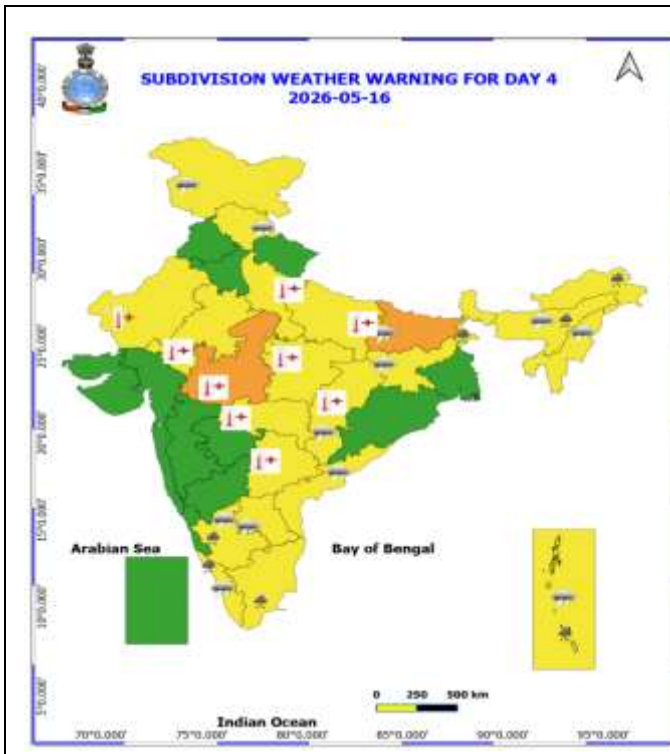
### Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ West Uttar Pradesh: Bareilly 100, Shahjahanpur 63, Shamli 61, Farrukhabad 43, Hardoi 39, Bulandshahar 39;
- ❖ Tripura: Sipahijala 87
- ❖ East Uttar Pradesh: Kheri 70, Maharajganj 48;
- ❖ Jharkhand: Simdega 70;
- ❖ Haryana: Uchani (Karnal) 57, Karnal (Karnal) 52, Pandu\_Pindara (Jind) 43;
- ❖ Bihar: Arwal 54;
- ❖ West Rajasthan: Churu 48;
- ❖ West Madhya Pradesh: Gwalior 46;
- ❖ Uttarakhand: Mukteshwar 44, Chamoli 43, Rani chawri 37, Pantnagar 31;
- ❖ Marathwada: Ambejogai (Beed) 44, Hingoli 44;
- ❖ Assam & Meghalaya: Manash 43
- ❖ Tamil Nadu, Puducherry & Karaikal: Natham\_Isro (Dindigul) 41
- ❖ Madhya Maharashtra: Vilholi (Nashik) 41, Rajgurunagar (Pune) 41, Solapur 41;
- ❖ East Madhya Pradesh: Jabalpur 40, Sagar 37;
- ❖ Saurashtra & Kutch: Bhachau 39;
- ❖ Konkan: Karjat (Raigad) 37, Devgad (Sindhudurg) 28;
- ❖ Vidarbha: Wardha 37;
- ❖ Gujarat Region: Dahod 31;

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	13- May	14- May	15- May	16- May	17- May	18- May	19- May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	SCT	FWS	SCT	FWS	FWS	FWS	SCT
3	ASSAM & MEHGHALAYA	WS	WS	WS	WS	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	FWS	FWS	SCT	SCT	FWS	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	WS	WS	FWS	FWS	FWS	SCT	SCT
6	GANGETIC WEST BENGAL	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
9	BIHAR	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	SCT	ISOL	ISOL	ISOL	ISOL	DRY	DRY
13	HARYANA, CHANDIGARH & DELHI	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	SCT	ISOL	SCT	SCT	ISOL	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	SCT	ISOL	SCT	SCT	DRY	ISOL	SCT
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJRAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	DRY	DRY	DRY	ISOL	ISOL
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
34	SOUTH INTERIOR KARNATAKA	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISOL
35	KERALA AND MAHE	FWS	WS	WS	WS	FWS	FWS	FWS
36	LAKSHADWEEP	FWS	FWS	FWS	FWS	FWS	FWS	FWS

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Detailed district-wise Multi-Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

**Weather forecast over Delhi/NCR during 13<sup>th</sup> May to 16<sup>th</sup> May 2026****Past Weather:**

There has been a slight rise of about 1°C in maximum temperatures and no large change in minimum temperatures over Delhi over the past 24 hours. The maximum temperatures were in the range of 37-39°C, and the minimum temperatures were in the range of 23-27°C, respectively, during the past 24 hours over Delhi. The minimum temperatures are above normal (1.6°C to 3.0°C) at isolated places, below normal (-1.6°C to -3.0°C) at a few places, and normal (-1.5°C to 1.5°C) at the remaining parts over Delhi. The maximum temperatures were below normal (-1.6°C to -3.0°C) at most places over Delhi. Partly cloudy sky with surface wind speeds up to 20 kmph gusting to 44 kmph from the southeast direction over Delhi during the past 24 hours. Partly cloudy sky with a spell of very light rain/drizzle accompanied by thunderstorms/lightning and strong winds (speed 40-50 kmph gusting to 60 kmph) from the east-northeast direction over the region in the forenoon today.

**Weather Forecast:**

**13.05.2026:** Partly cloudy sky. A spell of very light to light rain accompanied by thunderstorms/lightning and strong winds (speed 40-50 kmph gusting to 60 kmph) during the afternoon/evening. The maximum temperatures over Delhi are likely to be in the range of 36°C to 38°C. The maximum temperatures will be below normal (-1.5°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with surface wind speed reaching up to 20 kmph during the afternoon hours. The wind speed will decrease up to 10 kmph from the northwest direction during the evening and night.

**14.05.2026** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 38°C to 40°C and 26°C to 28°C, respectively. The minimum temperature will be above normal (1.5°C to 3.0°C) at most places, and maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with surface wind speed reaching up to 15 kmph during the morning hours. The wind speed will increase, becoming less than 20 kmph from the northwest direction during the afternoon. The wind speed will decrease, reaching up to 10 kmph from the northeast direction during the evening and night.

**15.05.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 39°C to 41°C and 26°C to 28°C, respectively. The minimum temperature will be above normal (1.5°C to 3.0°C) at most places, and maximum temperatures will be above normal (1.5°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will be up to 20 kmph from the northwest direction during the afternoon. The wind speed will decrease, reaching up to 15 kmph from the northwest direction during the evening and night.

**16.05.2026:** Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 39°C to 41°C and 26°C to 28°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperature will be near normal (-1.5°C to 1.5°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will be up to 15 kmph from the northwest direction during the afternoon. The surface wind speed will be less than 15 kmph from the northwest direction during the evening and night.

**Impact expected and Action Suggested due to thunderstorm with lightning/gusty winds:**

- Be cautious and take precautionary measures, though there is a likelihood of thunderstorms/lightning and gusty winds (speed 30–50 kmph), temporarily reaching 60 kmph during thunderstorms, with dust rising surface winds.
- Breaking of tree branches, uprooting of large avenue trees, Large dead limbs blown from trees, Damage to standing crops, Minor to major damage to power and communication lines due to breaking of branches, Partial damage to vulnerable structures due to strong winds, Loose objects may fly.
- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly, stay indoors, close windows & doors and avoid travel, if possible, take safe shelters; do not take shelter under trees, do not lie on concrete floors and do not lean against concrete walls, unplug electrical/ electronic appliances, immediately get out of water bodies, keep away from all the objects that conduct electricity.

## **Impact expected and action suggested due to isolated thunderstorm with lightning/squally winds & Hailstorm over**

- ❖ Isolated **Hailstorm activity** likely over South Interior Karnataka on 15<sup>th</sup> May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jharkhand on 14<sup>th</sup>; Bihar on 16<sup>th</sup>; North Interior Karnataka on 14<sup>th</sup> & 15<sup>th</sup> May.

### **Impact expected:**

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

### **Action suggested:**

- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.

## **Impact Expected & Action Suggested due to heavy/very heavy rainfall over**

- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 13<sup>th</sup> & during 15<sup>th</sup>-18<sup>th</sup>, Assam & Meghalaya during 15<sup>th</sup>-19<sup>th</sup>, Nagaland, Manipur, Mizoram during 13<sup>th</sup> -15<sup>th</sup>; Tripura during 13<sup>th</sup> -15<sup>th</sup> & on 18<sup>th</sup> & 19<sup>th</sup>; Andaman & Nicobar Islands during 13<sup>th</sup> -19<sup>th</sup> and Sub-Himalayan West Bengal & Sikkim during 14<sup>th</sup> -16<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal during 14<sup>th</sup> - 17<sup>th</sup>, Kerala & Mahe during 13<sup>th</sup>-16<sup>th</sup>; South Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup> May with **Isolated very heavy rainfall over** Arunachal Pradesh on 14<sup>th</sup> & 18<sup>th</sup>, Assam & Meghalaya on 13<sup>th</sup> & 14<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 13<sup>th</sup> May.

### **Impact Expected**

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

### **Action Suggested**

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

### Impact expected and action suggested due to Heat wave conditions:

- ❖ **Heat wave conditions at a few places with severe heat wave conditions in isolated pockets** likely to prevail over West Rajasthan during 12<sup>th</sup> -16<sup>th</sup>; East Rajasthan, West Madhya Pradesh during 12<sup>th</sup> – 18<sup>th</sup>; Vidarbha during 12<sup>th</sup> – 16<sup>th</sup>; Konkan & Goa on 12<sup>th</sup>; Madhya Maharashtra, Gujarat State during 12<sup>th</sup> – 14<sup>th</sup>; Marathwada during 12<sup>th</sup> – 15<sup>th</sup> May with **severe heat wave conditions** in isolated pockets over West Rajasthan on 17<sup>th</sup> & 18<sup>th</sup> May.

### Alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

### Agromet advisories for likely impact of Hailstorms

- In **North Interior Karnataka**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.
- Ensure effective field drainage to prevent waterlogging. Undertake picking of matured fruits at the earliest. Keep the harvested produce in safe places.

### Agromet advisories for likely impact of Heavy Rainfall

- In **Arunachal Pradesh**, ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards. Keep the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places.
- In **Assam**, drain out excess rainwater to avoid water stagnation in the crop fields. Prioritise immediate harvesting of the mature crops and move the produce to a dry, covered warehouse during clear weather conditions. Provide mechanical support for tall crops (like banana or sugarcane) and young saplings by using bamboo sticks or poles.
- In **Meghalaya**, drain out excess rainwater from maize, ginger, vegetables and orchards. Provide staking/bamboo support to tomato plants to prevent lodging.
- In **Sub-Himalayan West Bengal**, maintain proper drainage channels in the ginger, tomato, maize, bitter gourd and Dalle Khorsani fields. Provide staking to tomato, Dalley Khorsani seedlings. Harvest mature crops at the earliest and store them safely in dry places. Protect nurseries and young seedlings against heavy rainfall with temporary covers.
- In **Andaman & Nicobar**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **Kerala**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants
- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.

### Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops like bottle gourd, pumpkin, smooth gourd, ridge gourd, cucumber, bitter gourd, kachra, cucumber, and summer ladyfinger, spinach, and young fruit plants like mango, amla, pomegranate, wood apple, and plum.
- In **West Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Gujarat**, apply light and frequent irrigation to cluster bean, groundnut, green gram, black gram, and vegetables such as cucumber, ridge gourd, bottle gourd, sponge gourd, and bitter gourd during morning or evening hours. Irrigate groundnut at flowering and pegging stages. In **Saurashtra and Kutch**, lightly irrigate mango orchards at suitable intervals during dry weather. Due to high temperatures, irrigate vegetable crops frequently, install 50%–75% green shade nets to protect nurseries and young plants from intense sunlight, and harvest vegetables during morning or evening hours.

- In **Maharashtra**, provide light and frequent irrigation to vegetables and orchards during morning or evening hours, with increased frequency during critical growth stages. In **Konkan**, irrigate sapota orchards every 4–5 days. Protect newly planted orchards with shade nets or palm fronds to reduce heat stress. Harvest mangoes early in the morning or late in the afternoon to avoid spongy tissue formation. In **Madhya Maharashtra, Vidarbha, and Marathwada**, irrigate sugarcane, summer groundnut, vegetables, and orchards as required; use organic or straw mulch in vegetables and orchards; cover banana bunches with leaves; and use shade nets in newly planted banana plantations.

#### **Agromet advisories for likely impact of Thunderstorm / Gusty Winds**

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

#### **Livestock / Poultry / Fisheries**

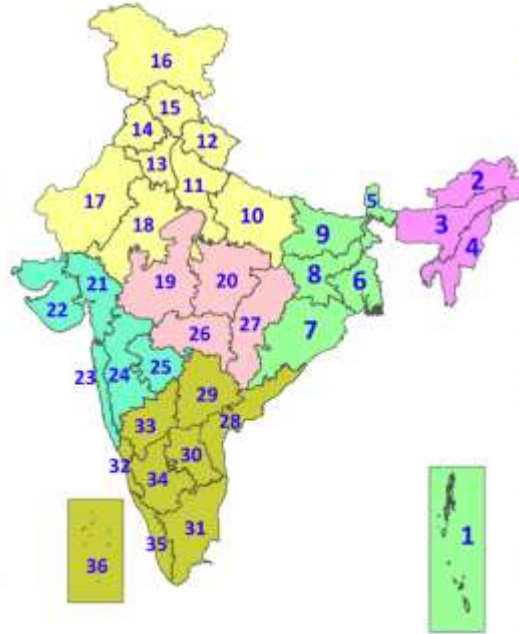
- Keep the animals inside the shed during hailstorms/ heavy rainfall and provide them with balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.

#### **Legends & abbreviations:**

- ❖ **Heavy Rain:**64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- ❖ **Region wise classification of meteorological Sub-Divisions:**
  - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
  - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

## LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और माहे
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

## SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/A Few Places)
51-75	Fairly Widespread (FWS/Many Places)	1-25	Isolated (ISOL)

- |                      |                      |              |
|----------------------|----------------------|--------------|
| Fog                  | Heavy Snow           | Cold Wave    |
| Heavy Rain           | Dust Storm           | Cold Day     |
| Very Heavy Rain      | Heat Wave            | Ground Frost |
| Extremely Heavy Rain | Warm Night           |              |
| Thunder & Lightning  | Hot Day              |              |
| Hailstorm            | Hot & Humid          |              |
| Dust Raising Winds   | Strong Surface Winds |              |

### COLOUR CODED WARNING

No Warning (No Action)
Watch (Be Aware)
Alert (Be Prepared To Take Action)
Warning (Take Action)

### Probabilistic Forecast

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

\* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".  
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.  
For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599  
(Service to the Nation since 1875)

### DEFINITION/CRITERIA

<b>Rain/ Snow *</b>	<p><b>Heavy:</b> 64.5 to 115.5 mm/cm *</p> <p><b>Very Heavy:</b> 115.6 to 204.4 mm/cm*</p> <p><b>Extremely Heavy:</b> &gt; 204.4 mm/cm *</p>
<b>Heat Wave</b>	<p>When maximum temperature of a station reaches <math>\geq 40^{\circ}\text{C}</math> for plains and <math>\geq 30^{\circ}\text{C}</math> for hilly regions</p> <p><b>(a) Based on Departure from normal</b></p> <p><b>Heat Wave:</b> Maximum Temperature Departure from normal <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> Maximum Temperature Departure from normal <math>\geq 6.5^{\circ}\text{C}</math></p> <p><b>(b). Based on Actual maximum temperature</b></p> <p><b>Heat Wave:</b> When actual maximum temperature <math>\geq 45^{\circ}\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> When actual maximum temperature <math>\geq 47^{\circ}\text{C}</math></p> <p><b>( c). Criteria for heat wave for coastal stations</b></p> <p>When maximum temperature departure is <math>&gt;4.5^{\circ}\text{C}</math> from normal. Heat Wave may be described provided maximum temperature <math>\geq 37^{\circ}\text{C}</math></p>
<b>Warm Night</b>	<p><b>When maximum temperature remains <math>40^{\circ}\text{C}</math></b></p> <p><b>Warm Night:</b> When minimum temperature departure <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Warm Night:</b> When minimum temperature departure <math>&gt;6.4^{\circ}\text{C}</math>.</p>
<b>Cold Wave</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions.</p> <p><b>(a). Based on departure</b></p> <p><b>Cold Wave:</b> Minimum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Cold Wave:</b> Minimum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p> <p><b>(b) Based on actual Minimum Temperature (for Plains only)</b></p> <p><b>Cold Wave :</b> When Minimum Temperature is <math>\leq 4.0^{\circ}\text{C}</math></p> <p><b>Severe Cold Wave:</b> When Minimum Temperature is <math>\leq 2.0^{\circ}\text{C}</math></p> <p><b>( c) For Coastal Stations</b></p> <p>When Minimum Temperature departure is <math>\leq -4.5^{\circ}\text{C}</math> &amp; actual Minimum Temperature is <math>\leq 15^{\circ}\text{C}</math></p>
<b>Cold Day</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions</p> <p><b>Based on departure</b></p> <p><b>Cold Day:</b> Maximum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Cold Day:</b> Maximum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p>
<b>Fog</b>	<p><b>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></b></p> <p><b>Moderate Fog:</b> When the visibility between 500-200 metres</p> <p><b>Dense Fog:</b> when the visibility between 50- 200 metres</p> <p><b>Very Dense Fog:</b> when the visibility <math>&lt; 50</math> metres</p>
<b>Thunderstorm</b>	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
<b>Dust/Sand Storm</b>	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
<b>Frost</b>	<p><b>Ice deposits on ground</b></p> <p>Air temperature <math>\leq 4^{\circ}\text{C}</math> ( over Plains)</p>
<b>Squall</b>	<p><b>A strong wind that rises suddenly, lasts for atleast 1 minute.</b></p> <p><b>Moderate:</b> Wind speed 52-61 kmph</p> <p><b>Severe:</b> Wind speed 62-67 kmph</p> <p><b>Very Severe:</b> Wind speed <math>&gt;67</math> kmph</p>
<b>Sea State</b>	<p><b>Effect of various waves in the sea over specific area</b></p> <p><b>Rough to very rough:</b> Wind speed 41-62 kmph (22-33 knots) &amp; Wave height 2.5-6 metre</p> <p><b>High to very high:</b> Wind speed 63-117 kmph ( 34-63 knots) &amp; Wave height 6-14 metre</p> <p><b>Phenomenal:</b> Wind speed <math>&gt;117</math> kmph (<math>&gt;63</math> knots) &amp; Wave height <math>&gt;14</math> metre</p>
<b>Cyclone</b>	<p><b>Cyclonic Storm:</b> Wind speed 62-67 kmph (34-47 knots)</p> <p><b>Severe Cyclonic Storm:</b> Wind speed 88-117 kmph (48-63 knots)</p> <p><b>Very Severe Cyclonic Storm:</b> Wind speed 118-165 kmph (64 - 89 knots)</p> <p><b>Extremely Severe Cyclonic Storm:</b> Wind speed 166-220 kmph (90 -119 knots)</p> <p><b>Super Cyclone Storm:</b> Wind speed <math>&gt;220</math> kmph (<math>&gt;119</math> knots)</p>

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