



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 11<sup>th</sup> May 2026

Time of Issue: 1350 hours IST

**Subject: (i) Isolated Heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup>; Kerala & Mahe during 14<sup>th</sup> – 17<sup>th</sup> May.**  
**(ii) Isolated thunderstorms, lightning & gusty winds (40-60 kmph) likely over northwest India during 11<sup>th</sup> -15<sup>th</sup> May, 2026. Isolated hailstorm activity also likely over Jammu & Kashmir, Ladakh and Himachal Pradesh on 11<sup>th</sup> & 12<sup>th</sup> and Uttarakhand on 12<sup>th</sup> & 13<sup>th</sup> May.**  
**(iii) Heat wave conditions likely to prevail in isolated pockets over Rajasthan, Gujarat and West Madhya Pradesh during next 4-5 days.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 10<sup>th</sup> May, 2026:**

- ❖ **Heavy to very heavy rainfall (07-20 cm)** has been recorded at isolated places over Odisha and **Heavy rainfall** over Assam.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-120 kmph** prevailed at isolated places over Punjab, Assam, Himachal Pradesh, Odisha, West Madhya Pradesh, Arunachal Pradesh; **with speed reaching 30-50 kmph** prevailed at isolated places over Bihar, Haryana, Manipur, East Madhya Pradesh, Marathwada, Saurashtra Kutch, Vidarbha, Konkan & Goa, Madhya Maharashtra, Chhattisgarh, Gujarat Region, Uttarakhand.
- ❖ **Hailstorm** reported over Jharkhand.
- ❖ **Heat Wave to Severe Heat Wave conditions** prevailed in isolated pockets over Jammu & Kashmir and Heat Wave conditions over West Rajasthan.
- ❖ **Warm Night to Severe Warm Night conditions** prevailed at isolated places over Rajasthan

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

- ❖ **Maximum Temperatures** (as on 09-05-2026): Yesterday, Maximum temperatures are in the range of 42°C & above over most parts of the Rajasthan, Gujarat state, Marathwada, Vidarbha, West Madhya Pradesh and at a few places over Madhya Maharashtra and East Madhya Pradesh; these are 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, West Bihar and below 34°C over rest parts of the country. **The highest maximum temperature of 46.8°C was reported at BARMER (RAJASTHAN).**
- ❖ **Maximum Temperature Departures** (as on 09-05-2026): Yesterday, markedly above normal (5.1°C or more) at a few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya, Gujarat Region, Himachal Pradesh, Jammu & Kashmir, Saurashtra & Kutch, West Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at a few places over West Rajasthan; at isolated places over Madhya Maharashtra; above normal (1.6°C to 3.0°C) at many places over Coastal Karnataka, Konkan & Goa; at a few places over Lakshadweep, Marathwada; at isolated places over Coastal Andhra Pradesh & Yanam, East Rajasthan, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, Puducherry & Karaikal, Vidarbha. These are below normal/near normal over rest parts of the country.
- ❖ **Minimum temperatures** were markedly above normal (5.1°C or more) over Jammu & Kashmir, West Rajasthan; appreciably above normal (3.1°C to 5.0°C) over Madhya Maharashtra; East Rajasthan, Himachal Pradesh, Tamil Nadu, Puducherry & Karaikal, West Uttar Pradesh; above normal (1.6°C to 3.0°C) over Marathwada, Gujarat Region, Haryana-Chandigarh-Delhi, Lakshadweep, North Interior Karnataka, Saurashtra & Kutch, Uttarakhand, Assam & Meghalaya, East Uttar Pradesh, Kerala & Mahe, Konkan & Goa, Odisha, Sub-Himalayan West Bengal & Sikkim, Vidarbha, West Madhya Pradesh and below normal or near normal over rest parts of the country.

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

- ❖ **The low-pressure area** over Southwest Bay of Bengal off north Sri Lanka coast persists over the same region at 0830 Hrs IST of today, the 11<sup>th</sup> May 2026. It is likely to become more marked during next 48 hours.
- ❖ A **trough in easterlies** runs from the centre of **low pressure area** over Southwest Bay of Bengal off north Sri Lanka coast to south Lakshadweep area in lower and middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Southeast Arabian Sea & Lakshadweep adjoining Kerala coast in lower tropospheric levels.
- ❖ A **trough in easterlies** runs from the cyclonic circulation over Southeast Arabian Sea & adjoining Lakshadweep adjoining Kerala coast to Marathwada in lower tropospheric levels.
- ❖ The **Western Disturbance** as an **upper air cyclonic circulation** over North Pakistan & neighbourhood in lower tropospheric levels.
- ❖ A **trough** runs from Southwest Madhya Pradesh to Sub-Himalayan West Bengal in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** over Sub-Himalayan West Bengal & neighbourhood in lower tropospheric levels.
- ❖ A **trough** runs from East Arunachal Pradesh to North Bay of Bengal in middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over South Assam & neighbourhood in lower tropospheric levels.

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

#### Northwest India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-60 kmph)** likely over Punjab, Haryana Chandigarh & Delhi during 11<sup>th</sup> -15<sup>th</sup>; West Uttar Pradesh, East Rajasthan on 11<sup>th</sup> & 12<sup>th</sup>; East Uttar Pradesh on 12<sup>th</sup> & 13<sup>th</sup>; West Rajasthan on 11<sup>th</sup> May.
- ❖ **Scattered to Fairly widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-60 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand during 11<sup>th</sup> -14<sup>th</sup>; Himachal Pradesh during 11<sup>th</sup> -15<sup>th</sup> May.
- ❖ **Isolated Hailstorm activity** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 11<sup>th</sup> & 12<sup>th</sup> & Uttarakhand on 12<sup>th</sup> & 13<sup>th</sup> May.
- ❖ **Isolated Duststorm activity** likely over West Rajasthan on 11<sup>th</sup>, East Rajasthan on 11<sup>th</sup> & 12<sup>th</sup> May.

#### Northeast India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Assam & Meghalaya during 11<sup>th</sup>-15<sup>th</sup>; Nagaland, Manipur, Mizoram & Tripura during 13<sup>th</sup> – 15<sup>th</sup>, and with lightning over Arunachal Pradesh during 12<sup>th</sup> - 15<sup>th</sup>, Nagaland, Manipur, Mizoram & Tripura during 11<sup>th</sup> & 12<sup>th</sup> May.
- ❖ **Isolated heavy to very heavy rainfall** likely over Assam & Meghalaya during 13<sup>th</sup> – 17<sup>th</sup>, Arunachal Pradesh on 17<sup>th</sup> May with **Isolated heavy rainfall over** Nagaland, Manipur, Mizoram & Tripura during 15<sup>th</sup> – 17<sup>th</sup>, Assam & Meghalaya on 12<sup>th</sup>, Arunachal Pradesh during 13<sup>th</sup> -16<sup>th</sup> May.

#### East India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty/squally winds (speed reaching 40-60 kmph)** likely over Jharkhand, Andaman & Nicobar Islands during 11<sup>th</sup> -17<sup>th</sup>, Sub-Himalayan West Bengal & Sikkim, Odisha during 11<sup>th</sup> -15<sup>th</sup>, Gangetic West Bengal, Bihar during 11<sup>th</sup> - 14<sup>th</sup> May.
- ❖ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during 14<sup>th</sup> -16<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 12<sup>th</sup> -14<sup>th</sup> May.
- ❖ **Isolated Hailstorm activity** likely over Bihar on 12<sup>th</sup> May.

#### Central India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Chhattisgarh during 13<sup>th</sup>-15<sup>th</sup> May.

### West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Konkan & Goa, Madhya Maharashtra on 11<sup>th</sup> May.

### South Peninsular India:

- ❖ **Scattered to fairly widespread thunderstorms, lightning & gusty winds (30-50 kmph)** likely over Lakshadweep on 11<sup>th</sup>, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, interior Karnataka during 11<sup>th</sup> -15<sup>th</sup>; Kerala & Mahe on 14<sup>th</sup> & 15<sup>th</sup> Rayalaseema on 11<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup>, Telangana on 11<sup>th</sup> & 12<sup>th</sup> with **thunderstorms, lightning likely over Kerala & Mahe** during 11<sup>th</sup> -13<sup>th</sup>, Lakshadweep, Coastal Karnataka during 11<sup>th</sup> -15<sup>th</sup> May.
- ❖ **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup>; Kerala & Mahe during 14<sup>th</sup> – 17<sup>th</sup> May.

### Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 2-4°C likely over northwest India on 11<sup>th</sup> & 12<sup>th</sup> and thereafter gradual rise by 4-5°C during 13<sup>th</sup> -17<sup>th</sup> May.
- ❖ Gradual rise in maximum temperatures by 2-4°C likely over central India during 11<sup>th</sup> -15<sup>th</sup>, thereafter no significant change on 16<sup>th</sup> & 17<sup>th</sup> May.
- ❖ No significant change in maximum temperatures likely over East India till 12<sup>th</sup> May and gradual rise by 2-4°C during 13<sup>th</sup> -17<sup>th</sup> May.
- ❖ No significant change in maximum temperatures likely over Gujarat during 11-14<sup>th</sup> May, thereafter fall by about 2-4°C during 15<sup>th</sup> -17<sup>th</sup> May.
- ❖ Gradual rise in maximum temperatures by 2-4°C likely over Maharashtra during 11-15<sup>th</sup> May, thereafter no significant change on 16<sup>th</sup> & 17<sup>th</sup> May.
- ❖ No significant change in maximum temperatures likely over rest parts of the country till 17<sup>th</sup> May 2026.

### Heat Wave, Hot & Humid weather conditions warning:

- ❖ **Heat wave conditions** likely to prevail in isolated pockets over West Rajasthan, Gujarat during 11<sup>th</sup> -17<sup>th</sup>; East Rajasthan, West Madhya Pradesh during 12<sup>th</sup> -15<sup>th</sup>; during 12<sup>th</sup> -14<sup>th</sup>, Vidarbha on 14<sup>th</sup> & 15<sup>th</sup>, Madhya Maharashtra, Marathwada on 12<sup>th</sup> & 13<sup>th</sup>, Saurashtra & Kutch, Gujarat Region during 11<sup>th</sup> – 14<sup>th</sup> May.
- ❖ **Warm night conditions** likely to prevail in isolated pockets over Rajasthan during 11<sup>th</sup>-15<sup>th</sup> May.
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Konkan & Goa on 11<sup>th</sup> May 2026.

### Fisherman Warning:

Fishermen are advised not to venture into the following areas during 11th May to 16th May, 2026:

- ❖ Bay of Bengal: Over some parts of southwest Bay of Bengal, adjoining southeast Bay of Bengal on 11th May; over most parts of southwest Bay of Bengal and adjoining southeast Bay of Bengal, along and off Sri Lanka Coast & over Gulf of Mannar, adjoining parts of Comorin Area on 12th May; over most parts of southwest Bay of Bengal and adjoining, some parts of southeast Bay of Bengal, along and off south Tamil Nadu, Sri Lanka Coasts & over Gulf of Mannar, Comorin Area on 13th May; over most parts of southwest Bay of Bengal and adjoining, some parts of southeast Bay of Bengal, along and off Tamil Nadu, Sri Lanka Coasts & over Gulf of Mannar, Comorin Area on 14th May; over most parts of southwest Bay of Bengal and adjoining parts of southeast and westcentral Bay of Bengal, along and off Tamil Nadu, Sri Lanka Coasts & over Gulf of Mannar, Comorin Area, over Andaman Sea on 15th May.
- ❖ Arabian Sea: No warning.

### Weather conditions and forecast over Delhi/NCR during 11<sup>th</sup> -14<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):

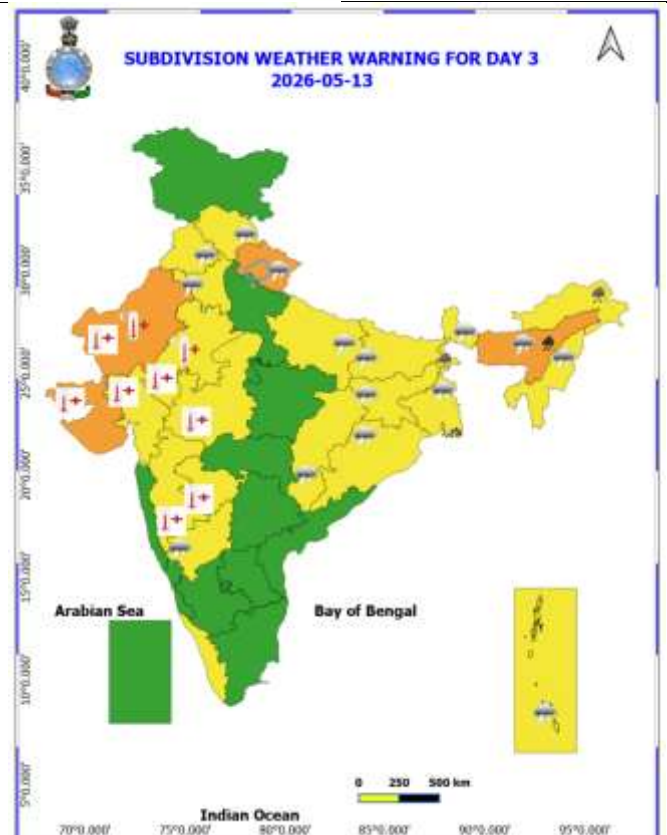
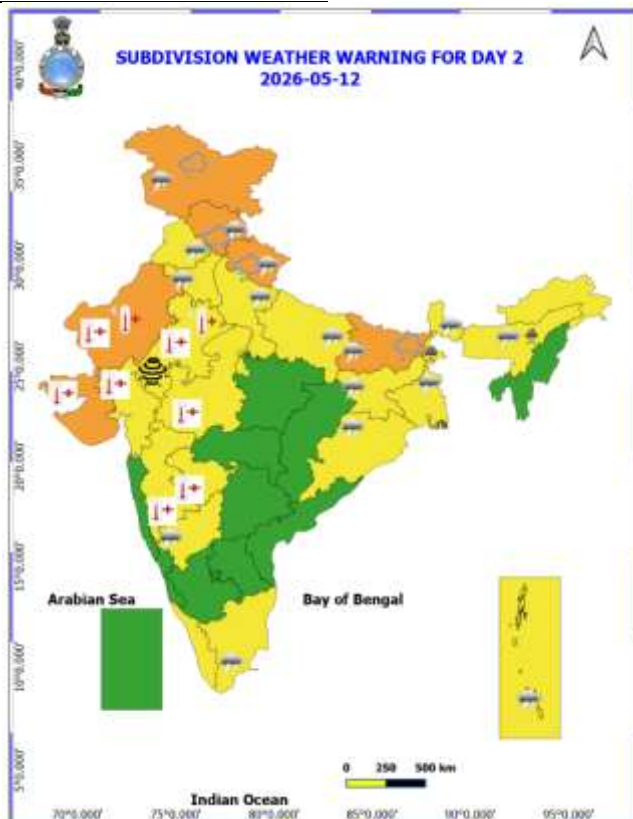
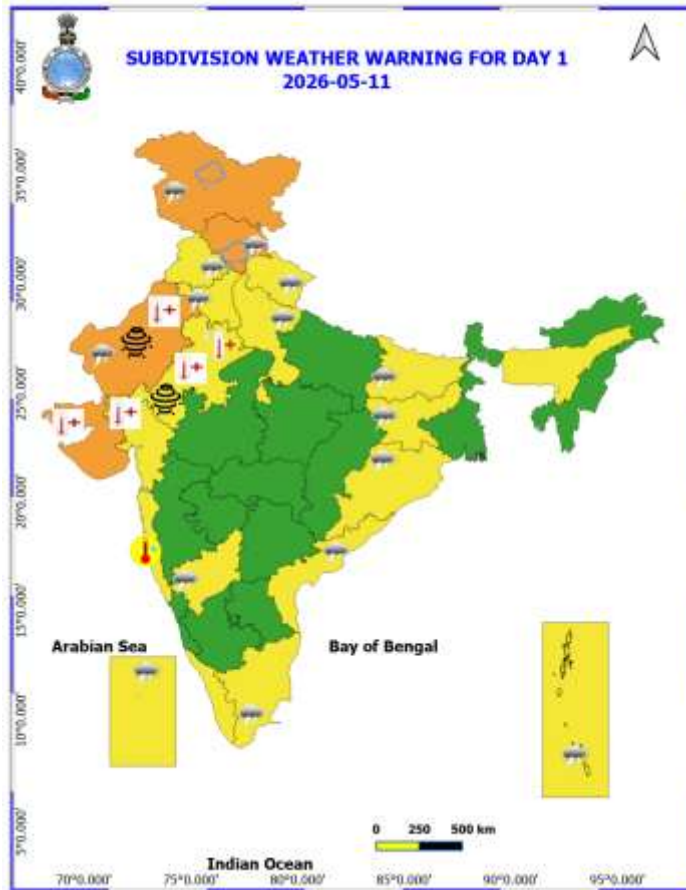
- ❖ **Odisha:** Bhuban (13)
- ❖ **Assam:** Tinsukia(7)

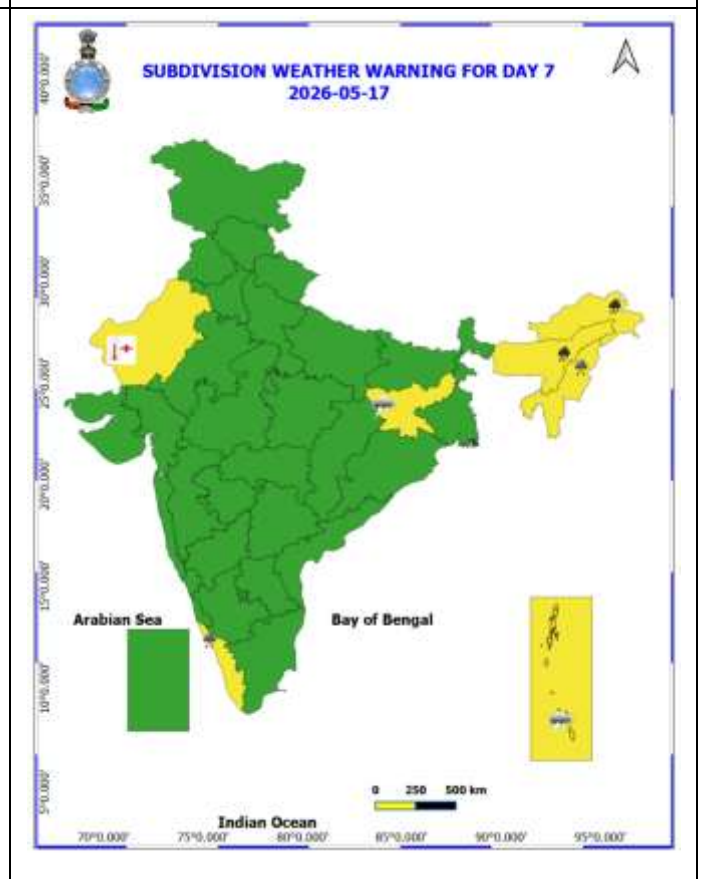
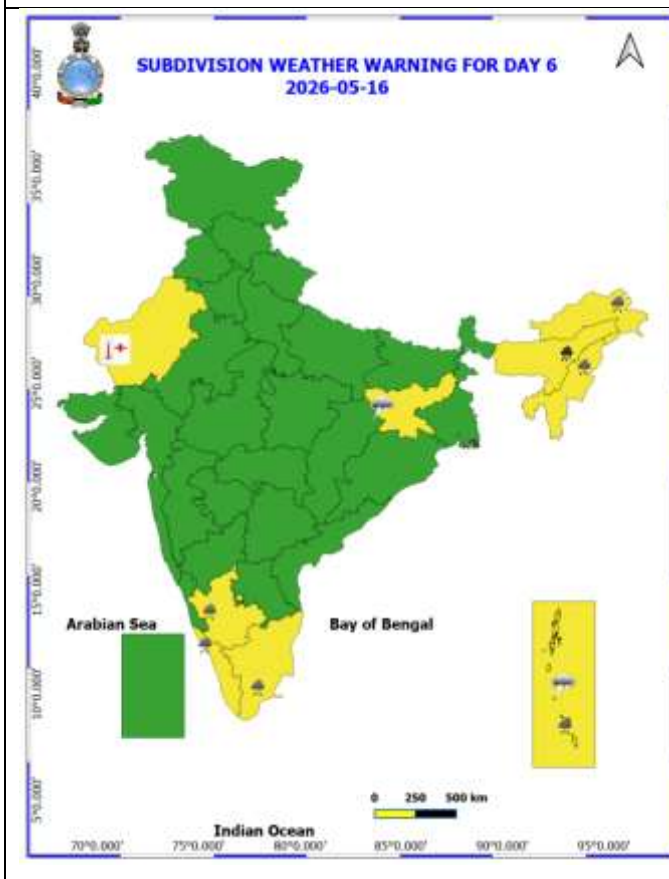
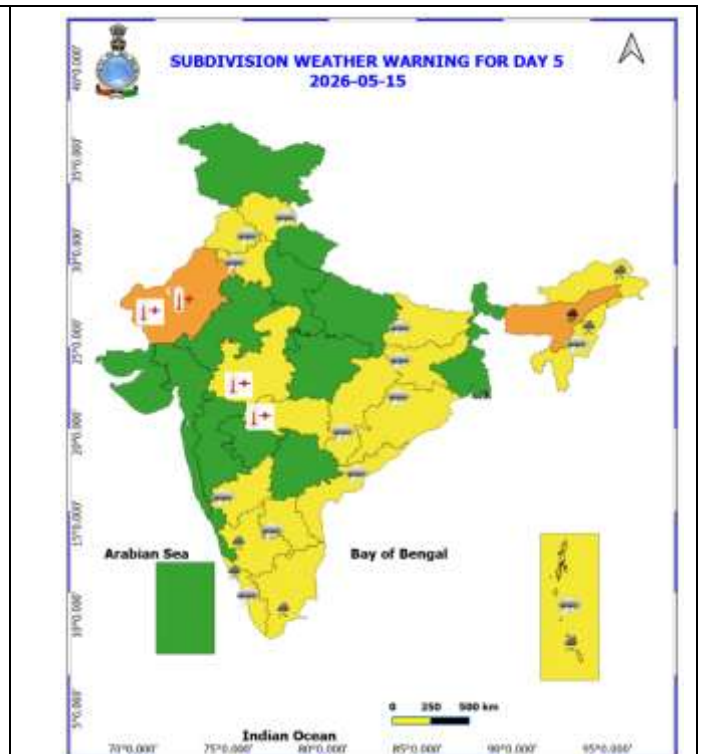
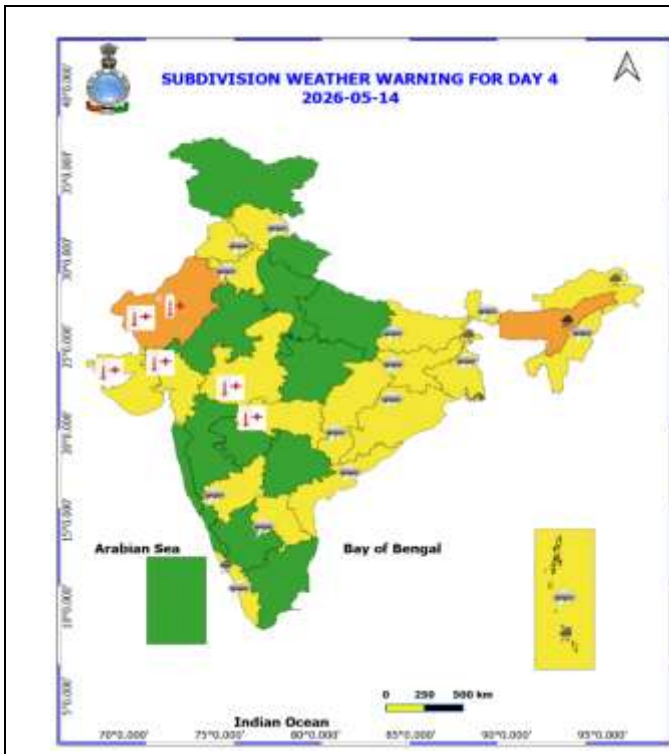
**Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):**

- ❖ Punjab: Amritsar 120, Pathankot, Hoshiyarpur, Chandigarh59
- ❖ Assam: Manas 68
- ❖ Himachal Pradesh: Sundernagar(65),Seobagh(59),Bilaspur(57)
- ❖ Odisha: Benakuda (56)
- ❖ West Madhya Pradesh: Khandwa 56
- ❖ Arunachal Pradesh: Namsai\_Kvk 52 , Anini 41
- ❖ Bihar: Rajgir (48)
- ❖ Haryana: Panchkula 48
- ❖ Manipur: Imphal 46
- ❖ East Madhya Pradesh: Jabalpur 46
- ❖ Marathwada: Ambejogai (Beed) 43 , Hingoli 35
- ❖ Saurashtra Kutch: Khawda(K) 43
- ❖ Vidarbha: Buldhana 41
- ❖ Konkan & Goa: Karjat (Raigad) 39 ,Devgad(Sindhudurg) 31
- ❖ Madhya Maharashtra: Kalwan (Nashik) 37 , Baramati (Pune) 35 , Vilholi (Nashik) 35
- ❖ Chhattisgarh: Koriya (37)
- ❖ Gujarat Region: Dahod31
- ❖ Uttarakhand: Ranichawri 30

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	11- May	12- May	13- May	14- May	15- May	16- May	17- May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	SCT	SCT	FWS	FWS	WS	WS	WS
3	ASSAM & MEHGHALAYA	FWS	FWS	FWS	WS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	SCT	SCT	SCT	FWS	FWS	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	SCT	WS	WS	WS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	SCT	ISOL	SCT	ISOL	ISOL
9	BIHAR	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	SCT	FWS	FWS	SCT	ISOL	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
14	PUNJAB	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
15	HIMACHAL PRADESH	SCT	FWS	FWS	SCT	SCT	SCT	ISOL
16	JAMMU AND KASHMIR AND LADAKH	WS	WS	SCT	SCT	ISOL	ISOL	DRY
17	WEST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	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	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	DRY	DRY	DRY	DRY	ISOL	DRY
25	MARATHWADA	ISOL	DRY	DRY	DRY	DRY	ISOL	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	DRY	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	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
35	KERALA AND MAHE	FWS	FWS	FWS	FWS	WS	WS	WS
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 11<sup>th</sup> May to 14<sup>th</sup> May 2026****Past Weather:**

There has been a slight rise in maximum temperatures by 1°C and a slight rise in minimum temperature by 1°C during past 24 hours over Delhi. The maximum temperatures were in the range of 37-38°C and the minimum temperatures are in the range 25-27°C respectively during past 24 hours over Delhi. The minimum temperatures were above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) at remaining parts over Delhi. The maximum temperatures were appreciably below normal (-3.1°C to -5.0°C) at a few places and below normal (-1.6°C to -3.0°C) at remaining places over Delhi. Mainly clear sky with surface wind speeds up to 20 kmph from southeast direction over Delhi during past 24 hours. Partly cloudy sky with surface wind speeds up to 15 kmph likely to prevail from southeast direction over the region in the forenoon today.

**Weather Forecast:**

**11.05.2026:** Partly cloudy sky becoming generally cloudy sky towards afternoon. A spell of very light to light rain accompanied with thunderstorm/lightning and gusty winds (speed 30-40 kmph gusting to 50 kmph) towards evening/night. The maximum temperatures over Delhi are likely to be in the range of 34°C to 36°C. The maximum temperatures will be appreciably below normal (-3.1°C to -5.0°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 25 kmph during the afternoon hours. The wind speed will decrease up to 15 kmph from the southeast direction during evening and night.

**12.05.2026:** Partly cloudy sky becoming generally cloudy sky towards afternoon. Very light to light rain accompanied with thunderstorm/ lightning and gusty winds (speed 30-40 kmph gusting to 50 kmph) towards morning/forenoon. Another spell of very light to light rain accompanied with thunderstorm/ lightning and gusty winds (speed 30-40 kmph gusting to 50 kmph) towards afternoon/evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°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 below normal (-1.5°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from southeast direction with surface wind speed reaching up to 25 kmph during the morning hours. The wind speed will become less than 15 kmph from southeast direction during the afternoon. The wind speed will remain same up to 15 kmph from the southeast direction during evening and night.

**13.05.2026:** Partly cloudy sky. Possibility of thundery development towards afternoon/ evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 25°C to 27°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and maximum temperatures will be appreciably below normal (-3.0°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind reaching up to 25 kmph during the morning hours. The surface wind speed will be up to 15 kmph from southeast direction during the afternoon. The wind speed will remain same up to 15 kmph from the south direction during evening and night.

**14.05.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 36°C to 38°C and 24°C to 26°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 below normal (-1.5°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the southeast direction with wind reaching up to 20 kmph during the morning hours. The surface wind speed will be up to 10 kmph from southeast direction during the afternoon. The surface wind speed will increase becoming less than 15 kmph from the southeast direction during evening and night.

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

- ❖ Northwest and East India during 11th -15th May
- ❖ Isolated **Hailstorm activity** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh on 11<sup>th</sup> & 12<sup>th</sup> & Uttarakhand on 12<sup>th</sup> & 13<sup>th</sup> , Bihar on 12<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 to very heavy rainfall** likely over Assam & Meghalaya during 13<sup>th</sup> – 17<sup>th</sup>, Arunachal Pradesh on 17<sup>th</sup> , Andaman & Nicobar Islands during 14<sup>th</sup> -16<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim during 12<sup>th</sup> - 14<sup>th</sup> , Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup>; Kerala & Mahe during 14<sup>th</sup>-17<sup>th</sup> May with **Isolated heavy rainfall over** Nagaland, Manipur, Mizoram & Tripura during 15<sup>th</sup> – 17<sup>th</sup>, Assam & Meghalaya on 12<sup>th</sup>, Arunachal Pradesh during 13<sup>th</sup> -16<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:

- ❖ West Rajasthan, Gujarat during 11<sup>th</sup> -17<sup>th</sup>; East Rajasthan, West Madhya Pradesh during 12<sup>th</sup> -15<sup>th</sup>; during 12<sup>th</sup> -14<sup>th</sup>, Vidarbha on 14<sup>th</sup> & 15<sup>th</sup>, Madhya Maharashtra, Marathwada on 12<sup>th</sup> & 13<sup>th</sup>, Saurashtra & Kutch, Gujarat Region during 11<sup>th</sup> – 14<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 **Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Bihar**, 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 **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 **Assam**, drain out excess rain water 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 rain water from maize, ginger, vegetables and orchards. Provide staking/bamboo support to tomato plants to prevent lodging.

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

- In **Gujarat**, apply light and frequent irrigation to cluster bean and vegetables like cucumber, ridge gourd, bottle gourd, sponge gourd, bitter gourd etc. during morning or evening hours. Irrigate groundnut at the flowering and pegging stages.
- In **Saurashtra and Katch**, mango orchards should be applied light irrigation at suitable intervals under dry weather. Provide light and frequent irrigation to groundnut, green gram and black gram. Irrigate vegetable crops frequently due to high temperature; install 50% to 75% green shade nets to protect nurseries, young plants, and vegetable crops from direct, intense sunlight; harvest vegetables during morning/evening hours.
- In **West Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Madhya Maharashtra and Marathwada**, apply irrigation to sugarcane, summer groundnut, vegetables and orchards as per requirement. Use straw mulch in vegetables and orchards. Use shade nets in newly planted banana plantations.

### Agromet advisories for likely impact of Thunderstorm / Gusty & Squally 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**

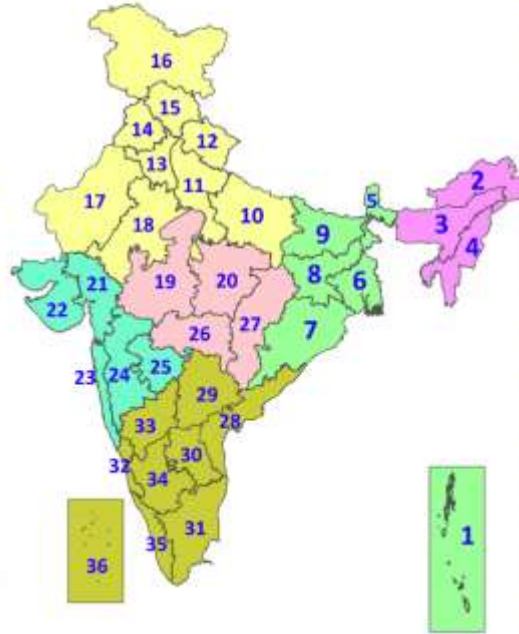
- Keep the animals inside the shed during hailstorms/ heavy rainfall and provide them with balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

### **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  | Hot Day              |
| Thunder & Lightning  | Hot & Humid | Strong Surface Winds |
| Hailstorm            |             |                      |
| Dust Raising 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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