



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 31<sup>st</sup> March 2026

Time of Issue: 1400 hours IST

**Subject: (i) Under the influence of two active Western disturbances, wet spell likely to continue over northwest India during the week with peak activity on 03<sup>rd</sup> & 04<sup>th</sup> April, 2026. Isolated hailstorm activity also likely over Jammu-Kashmir on 03<sup>rd</sup> and Himachal Pradesh on 03<sup>rd</sup> & 04<sup>th</sup> April.**

**(ii) Intense spell of thunderstorm & lightning likely over central parts of the country till 06<sup>th</sup> April with isolated hailstorm activity likely till 02<sup>nd</sup> April, 2026.**

**(iii) Scattered to fairly widespread rainfall along with thunderstorm/lightning & gusty wind likely over Northeast & adjoining east India during the week with possibility of isolated heavy falls over Northeast India on 31 March & 01 April, 2026.**

**(iv) Day temperatures are likely to remain normal to below normal over many parts of Northwest India till 06<sup>th</sup> April, 2026.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 31<sup>st</sup> March, 2026:**

- ❖ **Heavy rainfall (7-11cm)** has been recorded at isolated places over Jammu-Kashmir, Meghalaya and Tripura.
- ❖ **Hailstorm activity** reported at isolated places over Jammu-Kashmir, Himachal Pradesh, Rajasthan, Madhya Pradesh, Madhya Maharashtra and Marathawada.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 50-80 kmph prevailed at isolated places over West Uttar Pradesh, Odisha, Chhattisgarh, Tamil Nadu, Gangetic West Bengal, Himachal Pradesh, West Madhya Pradesh, Marathawada, Jammu-Kashmir, Madhya Maharashtra, Jharkhand and with speed 30-50 kmph at isolated places over Saurashtra & Kutch, Coastal Maharashtra, East Uttar Pradesh, Punjab, Uttarakhand, East Madhya Pradesh and Haryana.

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

- ❖ **Maximum/day temperatures** were in the range (36°C- 41°C) at most places over Vidarbha, Telangana, Chhattisgarh, Rayalaseema, East Madhya Pradesh, Coastal Andhra Pradesh; at many places over Marathwada, interior Odisha, Jharkhand, North Interior Karnataka; at a few places over Gujarat, West Madhya Pradesh, southeast Uttar Pradesh, Gangetic West Bengal, Madhya Maharashtra, Tamil Nadu, Kerala, Coastal Maharashtra and in the range of (32°C- 36°C) at remaining places over Uttar Pradesh, Gangetic West Bengal; few places over Bihar, Punjab, Haryana-Delhi and below 32°C over remaining parts of India. Yesterday, **The highest maximum temperature of 41.8°C was reported at Titlagarh (Odisha).**
- ❖ **Maximum Temperatures/day temperatures were appreciably above normal (3.1°C to 5.0°C)** over East Madhya Pradesh; **above normal (1.6°C to 3.0°C)** over Delhi, Uttar Pradesh, southwest Madhya Pradesh, Vidarbha, Bihar, Chhattisgarh, Odisha, Rayalaseema, Kerala; **appreciably below normal (-5.0°C to -3.1°C)** over Jammu-Kashmir, West Rajasthan, Saurashtra & Kutch; **below normal (-3.0°C to -1.6°C)** over Himachal Pradesh, Telangana, Assam & Meghalaya and near normal over rest parts of the country.
- ❖ **Minimum/night temperatures** were in the range of **12-18°C** over Jammu-Kashmir, Himachal Pradesh, Punjab, Haryana, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Mizoram. They were in the range of **18-25°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 15.0°C was observed at Amritsar (Punjab) over the plains of India.**
- ❖ **Minimum/night Temperature** were **markedly above normal (5.1°C or more)** over East Uttar Pradesh, Bihar and East Madhya Pradesh; **appreciably above normal (3.1°C to 5.0°C)** over West Uttar Pradesh, Gujarat Region, southwest Madhya Pradesh; **above normal (1.6°C to 3.0°C)** over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, Saurashtra & Kutch, Coastal Maharashtra, Madhya Maharashtra, Odisha, Jharkhand, Assam & Meghalaya, Rayalaseema; **below normal (-3.0°C to -1.6°C)** over Gangetic West Bengal, Marathawada, Vidarbha, Telangana, North Interior Karnataka and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** now seen as an upper air cyclonic circulation over North Pakistan & adjoining Jammu division in lower tropospheric levels with a trough aloft in middle tropospheric levels roughly along Long. 70°E to the north of Lat. 26°N.
- ❖ An upper air **cyclonic circulation** lies over southwest Rajasthan in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over East Uttar Pradesh and an east-west **trough** runs from this upper air cyclonic circulation to Manipur in lower tropospheric levels.
- ❖ A **trough/Wind discontinuity** runs from upper air cyclonic circulation over East Uttar Pradesh to south Tamil Nadu in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over Coastal Andhra Pradesh & adjoining Telangana in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over northeast Assam in lower tropospheric levels.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 02<sup>nd</sup> April, 2026.

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

#### Northwest India:

- ❖ **Isolated to Scattered** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph gusting to 60 kmph) likely over Western Himalayan region on 31<sup>st</sup> March.
- ❖ **Isolated to Scattered** light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and West Rajasthan on 31<sup>st</sup> March and East Rajasthan on 31<sup>st</sup> March & 01<sup>st</sup> April.
- ❖ Another fresh wet spell with **Scattered to fairly widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 03<sup>rd</sup> & 04<sup>th</sup> April; Uttarakhand during 03<sup>rd</sup> -06<sup>th</sup> April; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph reaching 60 kmph) likely over Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh on 03<sup>rd</sup> & 04<sup>th</sup> April; West Rajasthan during 02<sup>nd</sup>-04<sup>th</sup> & on 06<sup>th</sup> April; East Rajasthan on 03<sup>rd</sup>, 04<sup>th</sup> & 06<sup>th</sup> April.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir on 03<sup>rd</sup> and Himachal Pradesh on 03<sup>rd</sup> & 04<sup>th</sup> April.

#### Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds** (speed reaching 30-50 kmph) likely over Arunachal Pradesh, Assam & Meghalaya during 31<sup>st</sup> March-04<sup>th</sup> April; Nagaland, Manipur, Mizoram & Tripura on 31<sup>st</sup> March & 01<sup>st</sup> April.
- ❖ **Isolated heavy rainfall** likely over Assam & Meghalaya on 31<sup>st</sup> March & 01<sup>st</sup> April; Nagaland, Manipur, Mizoram & Tripura on 31<sup>st</sup> March and Arunachal Pradesh on 01<sup>st</sup>, 02<sup>nd</sup>, 05<sup>th</sup> & 06<sup>th</sup> April.

#### East India:

- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 40-50 kmph gusting to 60 kmph) likely over Sub-Himalayan West Bengal & Sikkim during 31<sup>st</sup> March-02<sup>nd</sup> April; Bihar on 31<sup>st</sup> March & 06<sup>th</sup> April; Jharkhand on 31<sup>st</sup> March, 01<sup>st</sup> & 04<sup>th</sup> April; Odisha during 31<sup>st</sup> March-04<sup>th</sup> April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Odisha and Gangetic West Bengal on 31<sup>st</sup> March.
- ❖ **Isolated Hailstorm activity** likely over Odisha, Gangetic West Bengal and Jharkhand on 31<sup>st</sup> March.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 31<sup>st</sup> March.
- ❖ **Isolated intense Lightning** activity also likely over Sub-Himalayan West Bengal & Sikkim and Gangetic West Bengal on 31<sup>st</sup> March.

#### Central India:

- ❖ **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmph) likely over Central India during next 5 days.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) with hailstorm activity** likely over Chhattisgarh during 31<sup>st</sup> March-02<sup>nd</sup> April and Vidarbha on 01<sup>st</sup> & 02<sup>nd</sup> April.

### West India:

- ❖ **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 gusting to 60 kmph) likely over Gujarat Region on 31<sup>st</sup> March and on 02<sup>nd</sup> & 03<sup>rd</sup> April; with **lightning** over Coastal Maharashtra during 31<sup>st</sup> March – 03<sup>rd</sup> April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Madhya Maharashtra and Marathawada during 31<sup>st</sup> March-04<sup>th</sup> April.
- ❖ **Isolated hailstorm activity** likely over Madhya Maharashtra and Marathawada during 31<sup>st</sup> March -02<sup>nd</sup> April.

### South Peninsular India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 gusting to 60 kmph) likely over Rayalaseema on 31<sup>st</sup> March & 04<sup>th</sup> April; Interior Karnataka and Telangana during 31<sup>st</sup> March-04<sup>th</sup> April; Kerala & Mahe on 03<sup>rd</sup> & 04<sup>th</sup> April; with **lightning** over Tamil Nadu on 31<sup>st</sup> March, 03<sup>rd</sup> & 04<sup>th</sup> April; Kerala & Mahe during 31<sup>st</sup> March-02<sup>nd</sup> April and Coastal Karnataka during next 5 days.
- ❖ **Isolated heavy rainfall** likely over Kerala & Mahe on 31<sup>st</sup> March.
- ❖ **Isolated hailstorm activity** likely over Telangana on 31<sup>st</sup> March & 01<sup>st</sup> April.

### Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 2-4°C likely over Northwest India till 03<sup>rd</sup> April and then, gradual fall by 2-4°C during 04<sup>th</sup>-06<sup>th</sup> April. However, it will remain normal to below normal till 06<sup>th</sup> April, 2026.
- ❖ No significant change in maximum temperatures likely over Madhya Pradesh till 01<sup>st</sup> April and gradual fall by 2-4°C during 02<sup>nd</sup> -06<sup>th</sup> April.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Vidarbha and Chhattisgarh till 02<sup>nd</sup> April and no significant change during 03<sup>rd</sup> -06<sup>th</sup> April.
- ❖ Fall in maximum temperatures by 2-4°C likely over East India during next 24 hours and gradual rise by 3-5°C during 01<sup>st</sup> -06<sup>th</sup> April.
- ❖ No significant change in maximum temperatures likely over Gujarat State till 01<sup>st</sup> April and gradual fall by 2-3°C during 02<sup>nd</sup> -06<sup>th</sup> April.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Maharashtra till 04<sup>th</sup> April and no significant change on 05<sup>th</sup> & 06<sup>th</sup> April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

### Fishermen Warning:

Fishermen are advised not to venture into the following areas:

**Bay of Bengal:** Along and off north Odisha and West Bengal coasts, over some parts of southeast Bay of Bengal.

**Arabian Sea:** No warning.

### Weather conditions and forecast over Delhi/NCR during 31<sup>st</sup> March-03<sup>rd</sup> April, 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/fishermen-warning.php>

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

- ❖ **Tripura:** Kamalpur(CEWC) 9;
- ❖ **Meghalaya:** Bhaghmara (dist South Garo Hills) 7;
- ❖ **Jammu-Kashmir:** Baramulla Kvk AWS (dist Baramula), Poonch (dist Poonch) 7 Each; Nowgam (dist Kupwara) 6

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

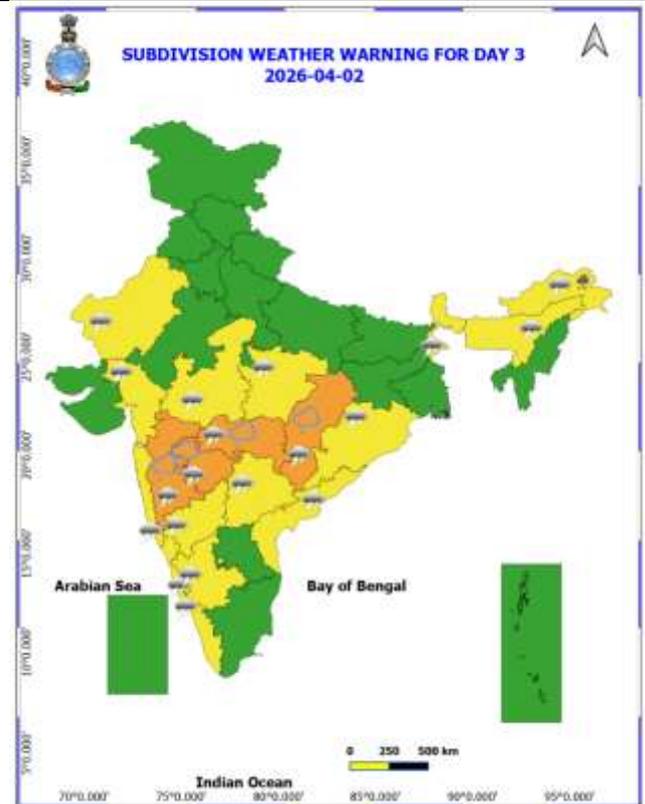
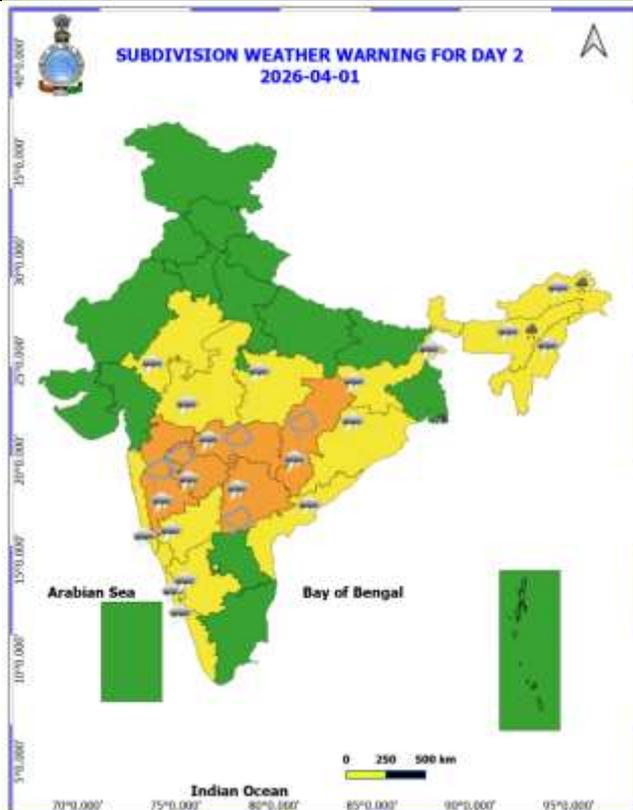
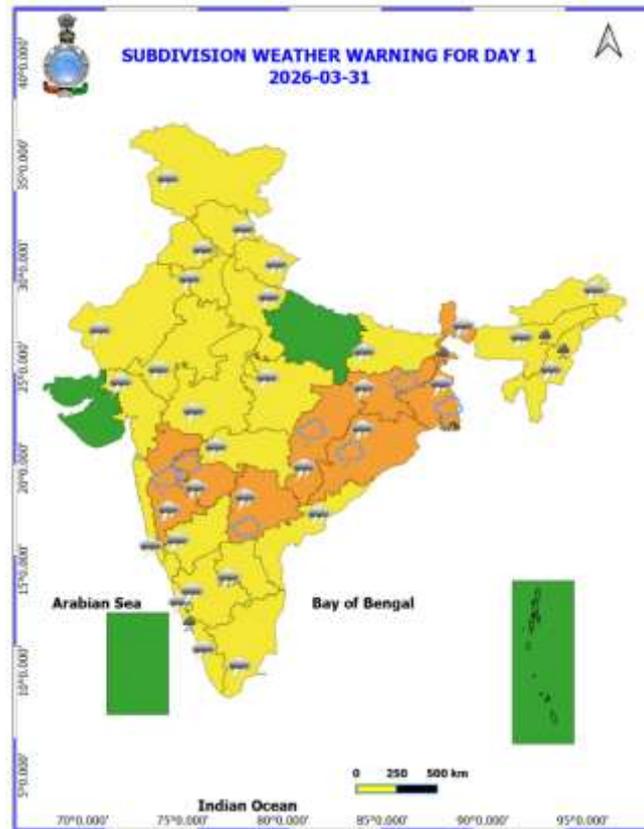
- ❖ **Jharkhand:** Simdega 78; Pakur 44;
- ❖ **Madhya Maharashtra:** Jalgaon 78, Shivajinagar (Pune) 63, Narayangaon (Pune) 57;
- ❖ **Jammu-Kashmir:** Chatha 65, Jammu 46, Gulmarg 41, Reasi 35, Samba 33;
- ❖ **Marathwada:** Hingoli 63, Udgir (Latur) 50, Latur 48;
- ❖ **West Madhya Pradesh:** Hoshangabad 63, Bhopal 54, Sehore 52, Ashoknagar 48, Gwalior 46, Guna 41, Shipurii, Vidisha 39, Betul, Agar 37, Morena 35, Indore 33, Rajgarh 31, Ujjain 30;
- ❖ **Himachal Pradesh:** Seobagh 61, Tabo 46;
- ❖ **Gangetic West Bengal:** Durgapur 57; Amta 52; Barrackpore, Dum Dum 48; Alipore 46; Nimpith 43; Uluberia 41;
- ❖ **Tamil Nadu:** Natham\_ISRO (Dindigul) 56;

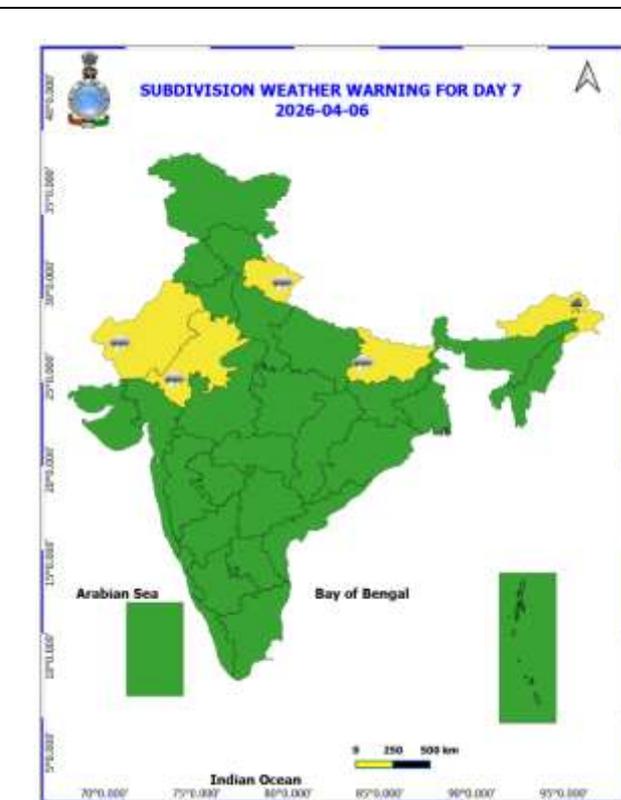
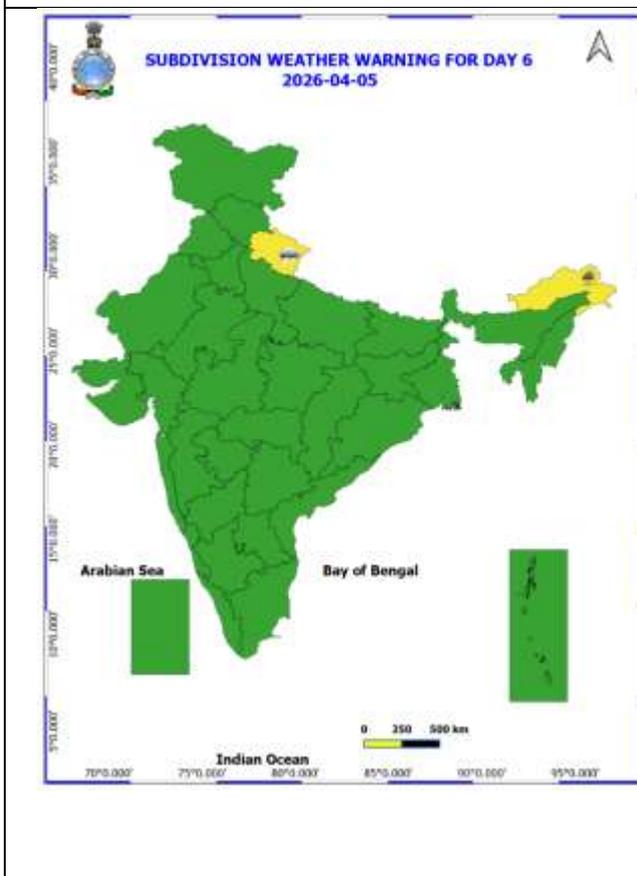
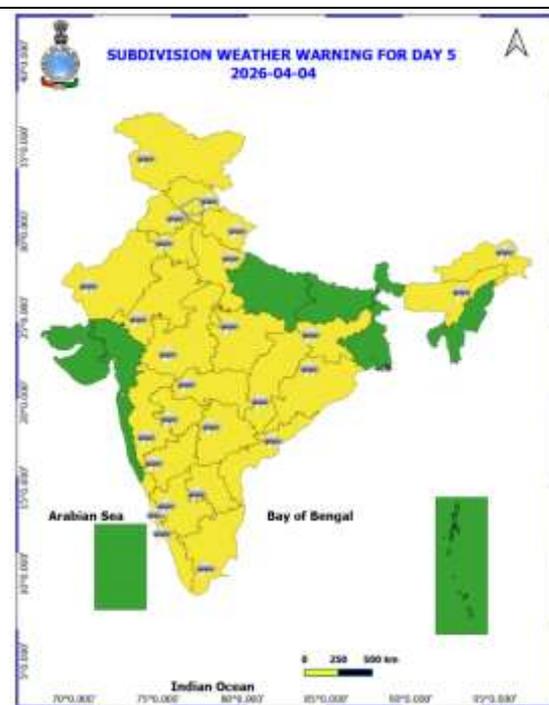
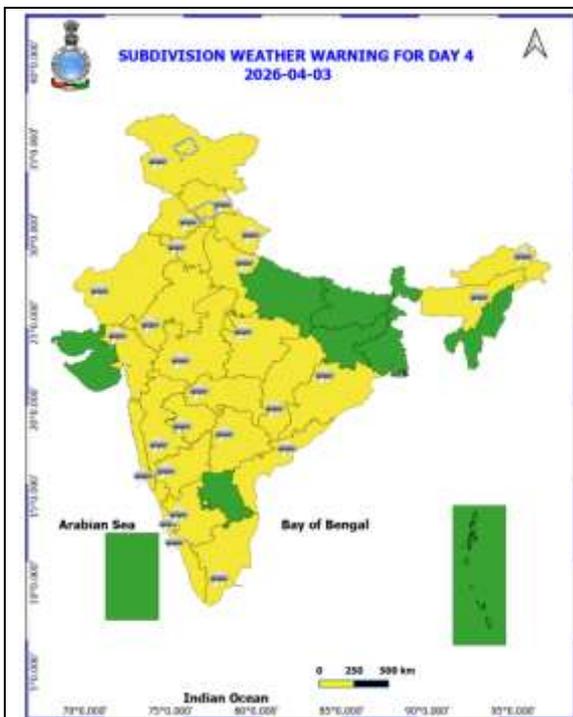
- ❖ **Chhattisgarh:** Korba 54;
- ❖ **Odisha:** Gunupur 52;
- ❖ **West Uttar Pradesh:** Gautambuddhanagar & Sambhal 50 Each, Agra & Bareilly 46 Each, Kasganj 44, Etawah & Chitrakoot 43 Each, Meerut & Agra 39 Each, Sarsawa 31;
- ❖ **Haryana:** Panipat 48; Karnal 43; Jind & Palwal 37; Bhiwani 35;
- ❖ **East Madhya Pradesh:** Katni 48, Sagar 44, Sidhi 41;
- ❖ **Uttarakhand:** Ranichauri, Jollygrant 39, Mukteshwar 35, Champawat 33, Matela 31, Chamoli, Roorkee 30;
- ❖ **Punjab:** Pathankot 37; Mohali 35;
- ❖ **East Uttar Pradesh:** Kanpur 37;
- ❖ **Coastal Maharashtra:** Karjat (Raigad) 37, Alibag (Raigad) 35, Devgad (Sindhudurg) 35;
- ❖ **Saurashtra & Kutch:** Khavda (Kutch) 33

## ANNEXURE I

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

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

**Weather forecast over Delhi/NCR during 31<sup>st</sup> March to 03<sup>rd</sup> April 2026****Past Weather:**

There has been no large change in minimum temperatures and a rise in maximum temperatures by 1-2°C during the past 24 hours over Delhi. The maximum temperatures were in the range of 34-36°C, and the minimum temperatures were in the range of 18-20°C, respectively, during the past 24 hours over Delhi. The minimum temperatures are above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) at the remaining part of Delhi. The maximum temperatures were above normal (1.6°C to 3.0°C) at many places and normal (-1.5°C to 1.5°C) at the remaining parts of Delhi. Generally cloudy sky. A spell of very light to light rain accompanied by thunderstorm/lightning and strong surface winds, speed 30-40 kmph gusting to 50 kmph in the afternoon, prevailed during the past 24 hours. Calm surface winds of less than 05 kmph are likely in the forenoon from the variable direction that prevailed over the region in the forenoon today.

**Weather Forecast:**

- **31.03.2026:** Partly cloudy sky becoming generally cloudy sky. a spell of very light rain accompanied by thunderstorm/lightning and strong surface winds, speed 20-30 kmph gusting to 40 kmph during the afternoon/Evening. The maximum temperatures over Delhi are likely to be in the range of 32°C to 34°C. Maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places in Delhi. The predominant surface wind is likely to be from the southwest, with wind speeds reaching up to 15 kmph during the afternoon hours. The wind speed will gradually decrease, becoming less than 10 kmph from the southeast direction during the evening and night.
- **01.04.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 17°C to 19°C, respectively. The minimum and maximum temperatures will be near normal (-1.5°C to 1.5°C) across Delhi. The predominant surface wind is likely to be from the east direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will remain up to 10 kmph from the southwest direction during the afternoon. The wind speed remains less than 10 kmph from the southeast direction during the evening and night.
- **02.04.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°C and 19°C to 21°C, respectively. The minimum temperature will be above normal (1.5 to 3.0°C) at most places, and the maximum temperature 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 northeast direction with wind reaching up to 10 kmph during the morning hours. The wind speed will remain the same up to 10 kmph from the east direction during the afternoon. The wind speed will remain less than 10 kmph from the northwest direction during the evening and night.
- **03.04.2026:** generally cloudy sky. a spell of very light rain accompanied by thunderstorm/lightning and strong surface winds, speed 20-30 kmph gusting to 40 kmph during the afternoon/Evening. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 34°C to 36°C and 20°C to 22°C, respectively. The minimum temperature will be above normal (1.5 to 3.0°C) at most places, and the maximum temperature will be above normal (1.5 to 3.0°C) across Delhi. The predominant surface wind is likely to be from the north, with calm winds, then reaching up to 05 kmph during the morning hours. The wind speed will increase up to 10 kmph from the southwest direction in the afternoon. The wind speed will increase, reaching up to 20 kmph from the east during the evening and night.

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

- ❖ **Isolated hailstorm activity** likely over Odisha, Gangetic West Bengal and Jharkhand on 31<sup>st</sup> March; Chhattisgarh, Madhya Maharashtra and Marathwada during 31<sup>st</sup> March-02<sup>nd</sup> April; Telangana on 31<sup>st</sup> March & 01<sup>st</sup> April; Vidarbha on 01<sup>st</sup> & 02<sup>nd</sup> April; Jammu-Kashmir on 03<sup>rd</sup>; Himachal Pradesh on 03<sup>rd</sup> & 04<sup>th</sup> April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Odisha and Gangetic West Bengal on 31<sup>st</sup> March; Madhya Maharashtra and Marathwada during 31<sup>st</sup> March-04<sup>th</sup> April; Chhattisgarh during 31<sup>st</sup> March-02<sup>nd</sup> April and Vidarbha on 01<sup>st</sup> & 02<sup>nd</sup> April.

### **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 rainfall over**

- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe, Nagaland, Manipur, Mizoram & Tripura on 31<sup>st</sup> March; Assam & Meghalaya on 31<sup>st</sup> March & 01<sup>st</sup> April and Arunachal Pradesh on 01<sup>st</sup>, 02<sup>nd</sup>, 05<sup>th</sup> & 06<sup>th</sup> April.

### **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.

### **Agromet advisories for likely impact of Hailstorms**

- Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in **Odisha, Jharkhand, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh and Telangana.**
- Undertake harvesting of matured crops and fruits immediately and shift them to safer places.
- In **Jammu & Kashmir**, undertake harvesting of matured mustard during clear weather and keep the harvested produce in safe places.

### **Agromet advisories for likely impact of Heavy Rainfall**

- In **Sub Himalayan West Bengal**, ensure proper drainage channel, and drain out excess water from fields of rice, maize, other standing crops, vegetables and orchard. Shift the harvested produce to safe places. Cover the nursery of cucurbits and Dalle khorsani with polyethylene sheets or agro-nets.
- In **Arunachal Pradesh**, undertake harvesting of cabbage, pea, mustard and late-maturing paddy varieties and digging of potatoes. Shift the harvested produce to safe places. Maintain proper drainage channels in the fields of rice, maize, other standing crops, vegetables and orchards.
- In **Assam**, drain out excess rainwater from the standing crop fields.
- In **Meghalaya**, ensure proper drainage in summer vegetable crops. Carry out staking and propping of plantation crops and protect young seedlings from heavy rainfall. Keep the harvested pods of garden peas in safer place immediately.
- In **Tripura**, make necessary arrangements to drain out excess water from the low-lying areas to prevent water logging.
- In **Kerala**, drain out excess water from the standing crops fields and orchards.

### **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 properly and cover them to minimise the risk of displacement due to 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**

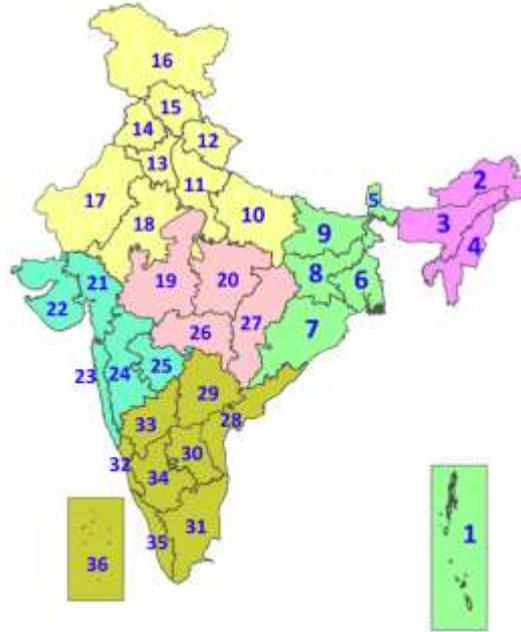
- Keep the animals inside the shed during Heavy Rainfall/Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.

### Legends & abbreviations:

- ❖ **Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **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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