



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 24th April 2026
Time of Issue: 1330 hours IST

Subject:(i) Heat wave conditions likely over plains of northwest & central India during next 3-4 days.
(ii) Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely over Sub-Himalayan West Bengal & Sikkim on 25th & 26th April; Gangetic West Bengal and Jharkhand during 26th -28th April; Bihar on 26th & 27th April along with possibility of isolated Hailstorm activity over Jharkhand on 26th April.
(iii) Scattered to fairly widespread rainfall along with thunderstorm & lightning likely over northeast during the week. Isolated heavy to very heavy rainfall is also likely over northeast India during many days of the week.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 24th April, 2026:

- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-60 kmph** prevailed at isolated places over North Interior Karnataka, Arunachal Pradesh, Madhya Maharashtra; **with speed 30-50 kmph** prevailed at isolated places over Assam, Jammu-Kashmir, Uttarakhand, Punjab, Haryana, Manipur, Odisha, Jharkhand, Bihar, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Maharashtra, Gujarat State, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Heat Wave conditions** prevailed over Haryana, Chandigarh & Delhi and Gangetic West Bengal.
- ❖ **Warm night conditions** reported over Haryana, Chandigarh & Delhi, West Rajasthan and West Uttar Pradesh.

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

- ❖ **Maximum/day temperatures** were between 40–44°C most parts of northwest, central & adjoining areas and peninsular India, including Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Telangana, Andhra Pradesh, north interior Karnataka and some parts of Gujarat and Odisha; between 36–40°C over eastern regions, including Bihar, Jharkhand, West Bengal and adjoining areas; and were below 36°C over the Western Himalayan regions and adjoining plains, northeast India, hill stations and some isolated coastal stations. The highest maximum temperature of 44.5°C was reported at Sri Ganganagar (Rajasthan).
- ❖ **Maximum/day temperatures were markedly above normal (>5.1°C)** over many parts Jammu-Kashmir with isolated pockets over the western Himalayan region, northeast, northwest, and eastern India; **appreciably above normal (3.1°C to 5.0°C)** over many parts of northwest India including Punjab and Haryana-Chandigarh-Delhi, west Uttar Pradesh and isolated pockets of central, eastern and peninsular India; **above normal (1.6°C to 3.0°C)** over few parts of central India and the southern peninsular region; and near **normal (-1.5°C to 1.5°C)** over coastal regions, islands regions, and remaining parts of the peninsular and eastern regions.
- ❖ **Minimum/night temperatures were in the range of 13–19°C** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Manipur, Mizoram and Tamil Nadu, Puducherry & Karaikal. They were in the range of **20–26°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 20.0 °C was observed at Gurdaspur (Punjab), Kanpur (East Uttar Pradesh), Najibabad (West Uttar Pradesh) over the plains of India.**
- ❖ **Minimum/night Temperature** were appreciably above normal (3.1°C to 5.0°C) over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, West Rajasthan, Uttar Pradesh, Bihar, West Bengal & Sikkim, Marathwada, Madhya Maharashtra; above normal (1.6 to 3.0°C) over East Rajasthan, Madhya Pradesh, Kerala & Mahe, Assam & Meghalaya, Mizoram, Nagaland, Gangetic West Bengal; below normal (-3.0°C to -1.6°C) over Chhattisgarh, Odisha and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along Long. 58°E to the north of Lat. 32°N persists.

- ❖ An **upper air cyclonic circulation** lies over North Haryana & neighbourhood in lower tropospheric level.
- ❖ A **trough/ wind** discontinuity from east Vidarbha to Comorin area across Telangana, Interior Karnataka and Tamil Nadu in the lower tropospheric level.
- ❖ A **trough** runs from east Uttar Pradesh to South Bangladesh across Bihar, Jharkhand, Gangetic West Bengal in lower tropospheric level.
- ❖ An **Anti-cyclonic circulation** lies over Maharashtra & neighbourhood between lower and middle tropospheric levels.

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

Northwest India:

- ❖ **Scattered to fairly widespread** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during on 24th, 25th, 28th & on 29th; isolated to scattered over Himachal Pradesh on 24th, 25th & during 28th - 30th and Uttarakhand on 24th, 25th, 26th, & during 28th - 30th April.
- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Punjab and Haryana, Chandigarh during 26th -30th and Uttar Pradesh during 28th -30th and Rajasthan during 27th -29th April.

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Assam & Meghalaya on 24th, 25th & during 28th -30th; Nagaland, Manipur, Mizoram & Tripura during 26th -28th April **with lightning** over Arunachal Pradesh during 25th -30th and Nagaland, Manipur, Mizoram & Tripura on 24th & 25th April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya on 26th & 27th April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya on 25th & 26th; Nagaland, Manipur, Mizoram & Tripura during 27th -30th; with isolated **very heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 27th -30th April.
- ❖ Isolated **Hailstorm activity** likely over Assam & Meghalaya on 24th April.

East India:

- ❖ **Isolated to scattered light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 24th & during 27th -30th; Gangetic West Bengal and Jharkhand on 24th, 25th and on 29th & 30th; Bihar on 24th & 25th and during 28th -30th and Odisha during 24th-30th April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 25th & 26th; Gangetic West Bengal and Jharkhand during 26th -28th; Bihar on 26th & 27th April.
- ❖ Isolated **Hailstorm activity** likely over Jharkhand on 26th April.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 25th & 26th April.

Central India:

- ❖ **Isolated light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Chhattisgarh during 26th - 28th; Vidarbha on 28th and Madhya Pradesh on 27th & 28th April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Kerala & Mahe during 24th -28th; Interior Karnataka during 24th -28th; Telangana on 24th, 25th & 27th, 28th; Tamil Nadu, Puducherry & Karaikal on 28th **with lightning** over Coastal Andhra Pradesh & Yanam during 24th -28th April.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Konkan & Goa on 24th; Madhya Maharashtra & Marathawada on 24th & 25th April.

Forecast of maximum/day temperatures:

- ❖ No significant change in maximum temperatures likely over Northwest India till 27th April (except over Uttar Pradesh) thereafter fall by 2-3°C during 28th -30th April.
- ❖ Gradual rise in maximum temperatures by 2-3 °C likely over Uttar Pradesh till 27th April fall by 2-4 °C during 28th -30th April.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over Central India till 25th April and no significant change during 26th-30th April.
- ❖ No significant change in maximum temperatures likely over East India till 24th and gradual fall by 3-4°C during 25th -30th April.
- ❖ Gradual rise in maximum temperatures by 2-3 °C likely over Gujarat State till 26th April fall by 2-3 °C during 27th -30th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

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

- ❖ **Heat wave conditions** very likely in isolated pockets of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 24th; Punjab and Haryana Chandigarh & Delhi on 24th & 25th; West Uttar Pradesh and Rajasthan during 24th -26th and East Uttar Pradesh during 24th -27th; over central India during 24th -27th; Kerala & Mahe on 24th April.
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Coastal Karnataka, Konkan & Goa, Saurashtra & Kutch, Gangetic West Bengal, Odisha and Bihar on 24th & 25th; Tripura during 24th -26th; Tamil Nadu, Puducherry & Karaikal during 24th -30th; Kerala & Mahe during 24th -26th and Coastal Andhra Pradesh & Yanam during 24th -28th April.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Punjab, Haryana, Chandigarh, Delhi and East Uttar Pradesh on 24th & 25th April.

Fishermen warning:

Fishermen are advised not to venture into the following areas during 24th April to 29th April, 2026:

- ❖ **Bay of Bengal:** Along and off North Odisha and West Bengal coasts & over isolated parts of northwest Bay of Bengal on 26th, 27th & 28th April.
- ❖ **Arabian Sea:** No warning.

Weather conditions and forecast over Delhi/NCR during 24th -27th April, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

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>

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

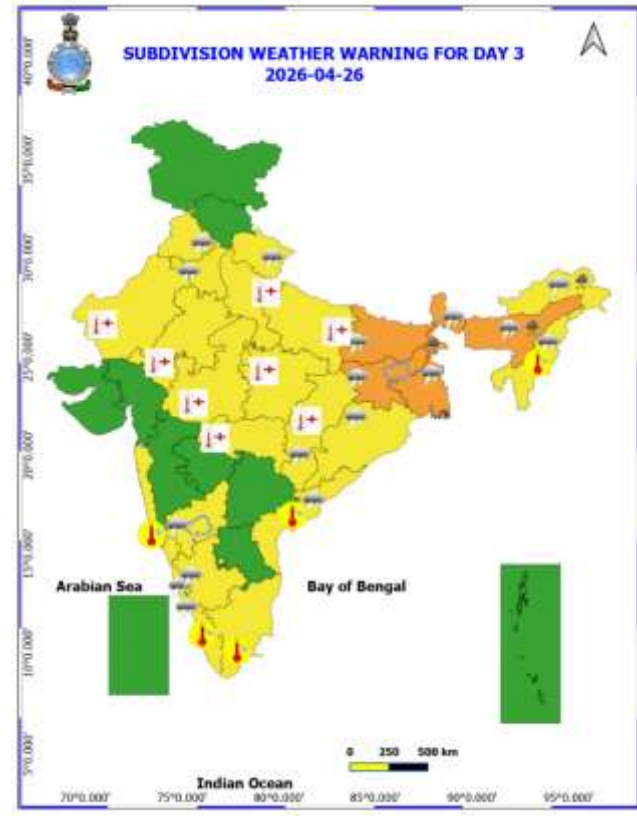
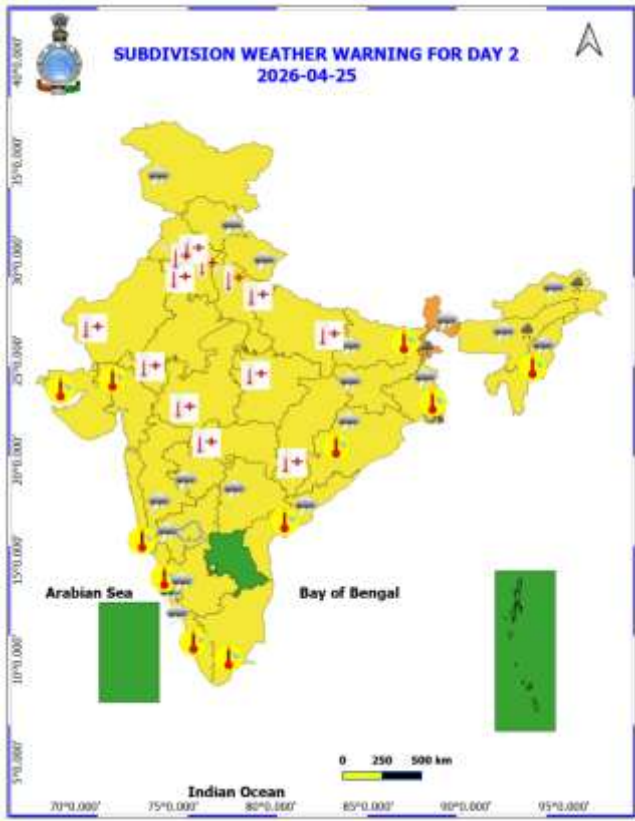
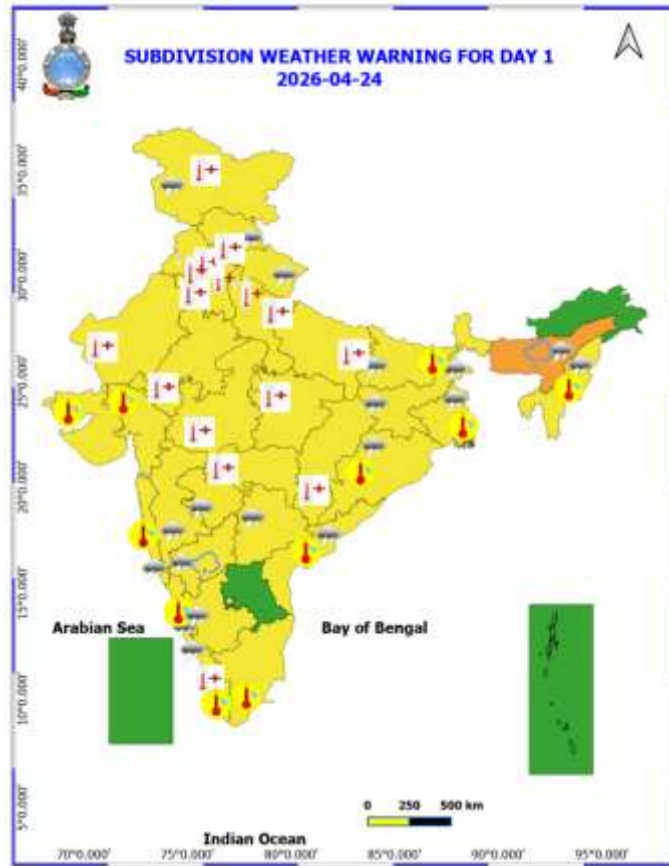
- ❖ **North Interior Karnataka:** Bagalkote 59
- ❖ **Arunachal Pradesh:** Lowertato 52, Anini 52, Tuting 37, Kalaktang 37
- ❖ **Assam:** Manas 44
- ❖ **Manipur:** Imphal 37
- ❖ **Odisha:** Puri 41
- ❖ **Jharkhand:** Barhi 44
- ❖ **Bihar:** Arwal 46
- ❖ **Jammu-Kashmir:** Gulmarg 30, Ramban 28
- ❖ **Uttarakhand:** Pantnagar 39
- ❖ **Punjab:** Faridkot 33
- ❖ **Haryana:** Sonapat 33
- ❖ **West Uttar Pradesh:** Bareilly (IAF) 37
- ❖ **East Uttar Pradesh:** Lucknow 46, Gorakhpur (IAF)44, Lucknow(AP) 41,
- ❖ **West Madhya Pradesh:** Sehore 39
- ❖ **East Madhya Pradesh:** Sagar 41
- ❖ **Vidarbha:** Lonar 43
- ❖ **Chhattisgarh:** Koriya 35, Korba 31, Bilaspur 30
- ❖ **Konkan & Goa:** Karjat (Raigad) 35, Alibag 35
- ❖ **Madhya Maharashtra:** Kolhapur 65, Sangli 52, Khutbav Daund (Pune) 39
- ❖ **Marathawada:** Ambejogai (Beed) 35, Parbhani 35

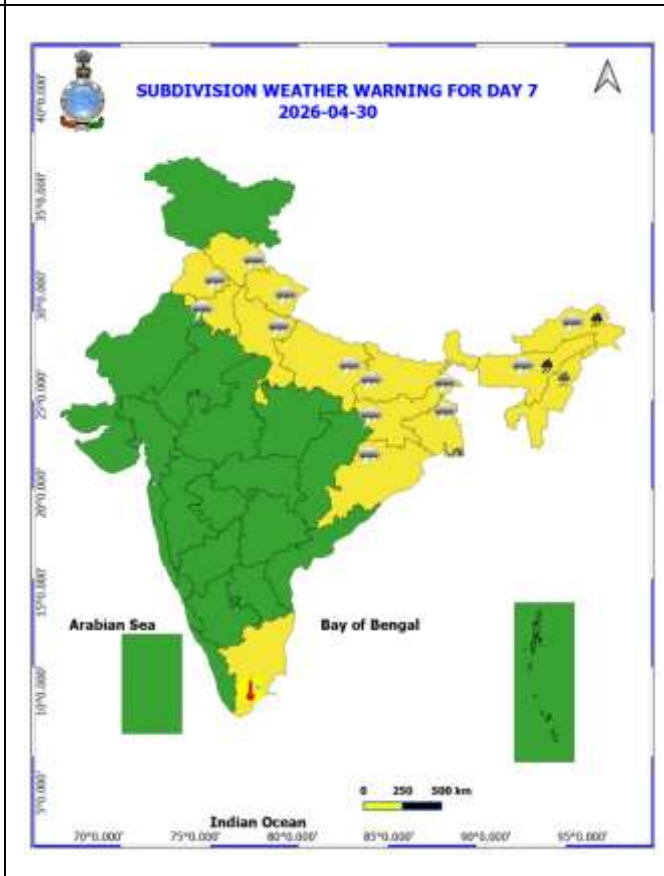
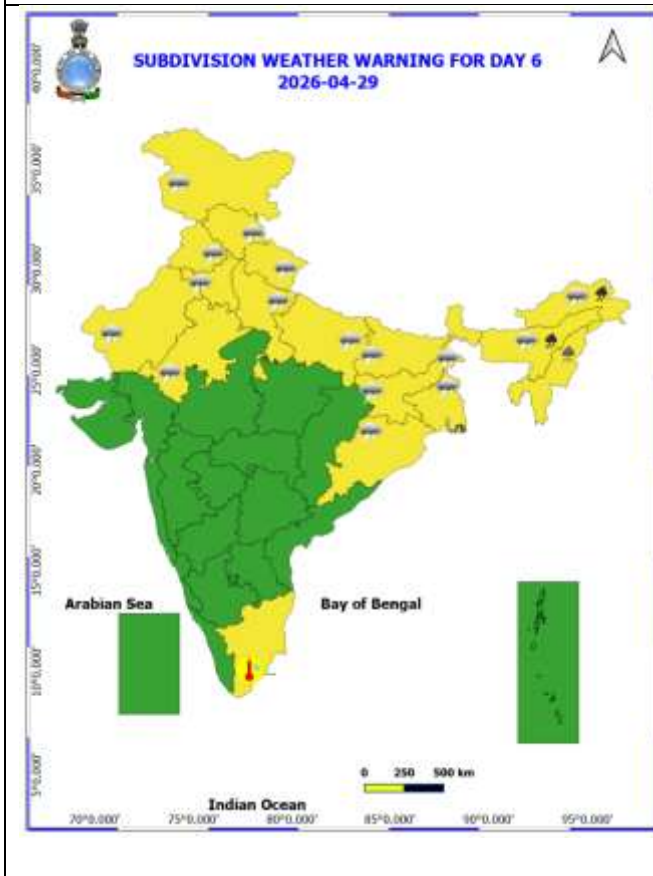
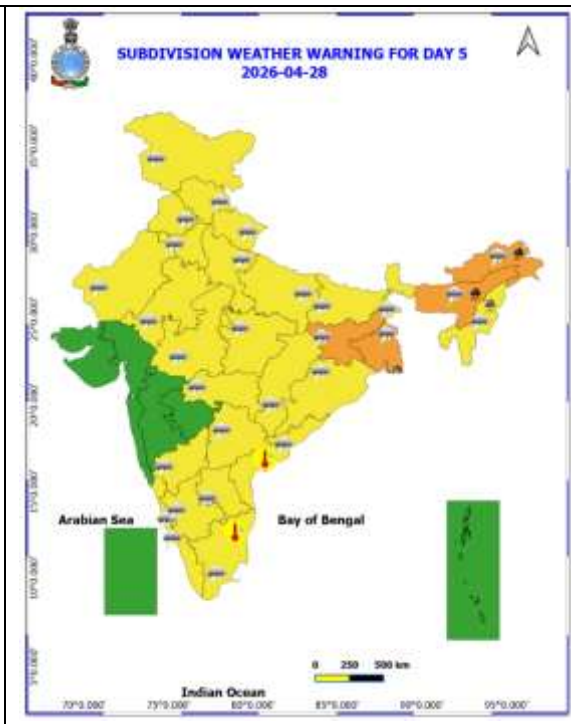
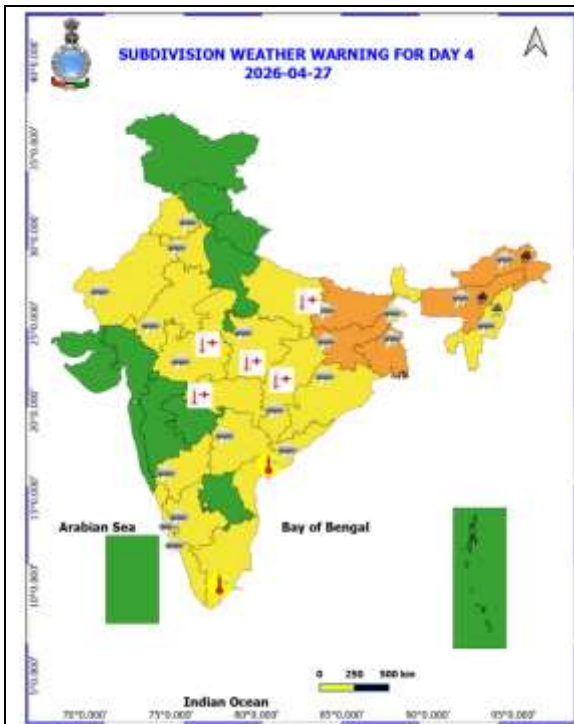
- ❖ **Gujarat Region:** Tharad 35
- ❖ **Saurashtra & Kutch:** Bhachau (Kutch) 48
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Natham_ISRO (Dindigul)46, Vijaynagaram (The Nilgiris) 39

ANNEXURE I

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

- 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 24th April to 27th April 2026

Past Weather:

There has been no large change in maximum temperatures and minimum temperatures during the past 24 hours over Delhi. The maximum temperatures were in the range of 41-43°C, and the minimum temperatures were in the range of 23-26°C, respectively, over the past 24 hours in Delhi. The minimum temperatures are above normal (1.6°C to 3.0°C) at many places and normal (-1.5°C to 1.5°C) over the remaining parts of Delhi. The maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places and above normal (1.6°C to 3.0°C) over the remaining parts of Delhi. Mainly clear sky with surface wind speeds up to 22 kmph from the southwest direction over Delhi during the past 24 hours. Mainly clear sky with surface wind speeds up to 20 kmph is likely to prevail from the west-southwest direction over the region in the forenoon today.

Weather Forecast:

24.04.2026: Mainly clear sky. Heat wave conditions at isolated places. The maximum temperatures over Delhi are likely to be in the range of 41°C to 43°C. The maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at many places and markedly above normal (5.1°C to more) at isolated places over Delhi. The predominant surface wind is likely to be from the southwest direction with surface wind speed reaching up to 15 kmph during the afternoon hours. The wind speed will remain the same up to 15 kmph from the northwest direction during the evening and night.

25.04.2026 Partly cloudy sky. Heat wave conditions at isolated places. Sustained surface wind speeds 15-25 kmph gusting up to 35 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 42°C to 44°C and 25°C to 27°C, respectively. The minimum temperature will be above normal (1.5°C to 3.0°C) at most places, and maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at many places and markedly above normal (5.1°C to more) at isolated 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 become less than 20 kmph from the northwest direction during the afternoon. The wind speed will decrease up to 15 kmph from the northwest direction during the evening and night.

26.04.2026: Partly cloudy sky. Sustained surface wind speeds 20-30 kmph gusting up to 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 42°C to 44°C and 25°C to 27°C, respectively. The minimum temperature will be above normal (1.5°C to 3.0°C) at most places, and the maximum temperature will be appreciably above normal (3.1°C to 5.0°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 20 kmph from the northwest direction during the afternoon. The wind speed will decrease up to 10 kmph from the west direction during the evening and night.

27.04.2026: Partly cloudy sky. Possibility of thundery development towards the afternoon/evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 42°C to 44°C and 25°C to 27°C, respectively. The minimum temperature will be above normal (1.5°C to 3.0°C) at most places, and the maximum temperature will be appreciably above normal (3.1°C to 5.0°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 20 kmph from the northwest direction during the afternoon. The surface wind speed will decrease slightly and become less than 10 kmph from the northwest direction during the evening and night.

Impact Expected and Action Suggested due to above normal Day Temperatures over Delhi

- Moderate temperature, heat is tolerable for the public but a moderate health concern for vulnerable people, e.g. infants, elderly people with chronic diseases.
- Avoid heat exposure, wear lightweight, light colored, loose cotton clothes, cover your head, use a cloth, hat or umbrella.
- Drink sufficient water and as often as possible, even if not thirsty.
- Keep fire extinguishers at home and in your vehicles.

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

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya on 26th & 27th; Sub-Himalayan West Bengal & Sikkim on 25th & 26th; Gangetic West Bengal and Jharkhand during 26th -28th; Bihar on 26th & 27th April.
- ❖ Isolated **Hailstorm activity** likely over Jharkhand on 26th; Assam & Meghalaya on 24th 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/very heavy rainfall over

- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya on 25th & 26th; Nagaland, Manipur, Mizoram & Tripura during 27th -30th; with isolated **very heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 27th -30th 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.

Impact expected and action suggested due to Heat wave conditions likely in isolated pockets of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 24th; Punjab and Haryana Chandigarh & Delhi on 24th & 25th; West Uttar Pradesh and Rajasthan during 24th -26th and East Uttar Pradesh during 24th -27th; over central India during 24th -27th; Kerala & Mahe on 24th April.

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 **Assam, Meghalaya** and **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**, shift the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places. Ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards.
- In **Assam and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.
- In **Sub-Himalayan West Bengal and Sikkim**, undertake digging out of matured potatoes and immediately shift the harvested produce to safer places. Maintain adequate drainage in all the standing crops.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- **Maharashtra** - In **Konkan**, irrigate green gram, vegetables, and newly planted areca nut and coconut. In **Vidarbha**, apply need-based light and frequent irrigation to summer green gram, groundnut, onion, sunflower, sesame, fodder crops, orchards, and vegetables during cooler hours. Use straw mulch in vegetable and orchard crops to reduce evaporation, and install shade nets for newly planted crops.
- **Gujarat** - Apply light and frequent irrigation to standing crops like cluster bean, cucumber, ridge gourd, bottle gourd, sponge gourd, and bitter gourd during morning or evening hours. Irrigate groundnut at the flowering and pegging stages.
- **Odisha** - Provide light irrigation to paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- **Madhya Pradesh** - Apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- **Chhattisgarh** - Apply light irrigation after weeding and hoeing in *rabi* maize, banana, and papaya plantations. Complete harvesting of wheat and chickpea, and ensure safe storage.
- **Bihar** - Apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures.
- **Andhra Pradesh** - Provide light irrigation to maintain adequate moisture in standing crops such as paddy, *rabi* maize, sorghum, chickpea, groundnut, sesame, sugarcane, vegetables, and fruit orchards.
- **Punjab and Haryana** - Provide light irrigation to maintain adequate moisture in standing crops such as summer *moong*, cotton, vegetables, mango, guava & loquat.
- **Uttar Pradesh** - Provide light irrigation to maintain adequate moisture in standing crops such as hybrid maize, Zaid black gram, green gram, vegetables, and sugarcane.
- **Rajasthan** - Provide light irrigation to maintain adequate moisture in standing crops such as Zaid moong, American cotton & *Desi* cotton, okra, watermelon, muskmelon, tinda, cucumber & long melon.
- **Tamil Nadu** - Provide irrigation and mulching to reduce the evapotranspiration in sugarcane, cotton, banana and chilli.
- **Kerala** - Apply irrigation to banana plants and coconut palms. Ensure that there is enough moisture in the soil.
- **Gangetic West Bengal** - apply light irrigation to summer crops and vegetables to maintain soil moisture.

- Apply mulching to conserve soil moisture in the standing crops.

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

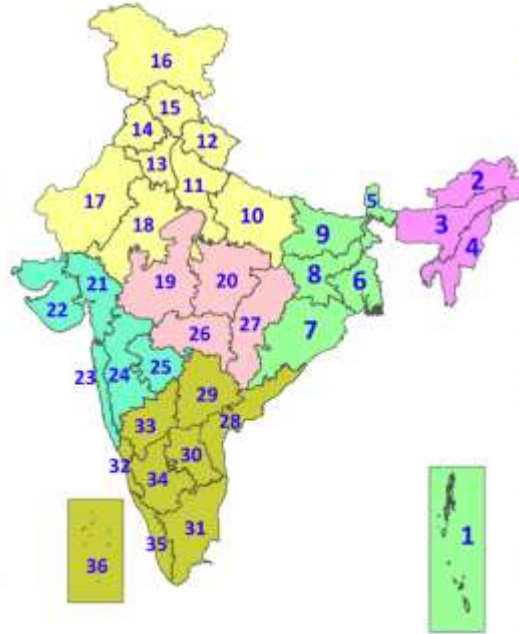
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In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

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

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