



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 22nd April 2026
Time of Issue: 1325 hours IST

Subject:(i) Heat wave conditions likely over major parts of plains of northwest, Central India and east India during next 4-5 days.

(ii) Scattered to fairly widespread rainfall along with thunderstorm & lightning likely over northeast & parts of east India 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 22nd April, 2026:

- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Arunachal Pradesh, Assam & Meghalaya and Odisha.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-90 kmph** prevailed at isolated places over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Uttar Pradesh, Madhya Maharashtra, Marathwada, Tamil Nadu, Puducherry & Karaikal **with speed 30-50 kmph** prevailed at isolated places Odisha, Bihar, Punjab, Haryana, Madhya Pradesh, Chhattisgarh, Konkan & Goa, Gujarat State.
- ❖ **Hailstorm reported over** Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Marathwada and Madhya Maharashtra.
- ❖ **Warm night conditions reported over** Haryana.

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

- ❖ **Maximum/day temperatures** were in the range of 40-45°C over many parts of East Madhya Pradesh, over a few parts of Odisha, Vidarbha, East Uttar Pradesh, Bihar, Jharkhand and at isolated parts of West Rajasthan, Haryana-Chandigarh, West Uttar Pradesh, Gujarat state, Madhya Maharashtra, North Interior Karnataka, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal; in the range of 36-40°C over a few parts of Punjab, Delhi and at isolated parts of Konkan & Goa, Coastal Karnataka, Kerala & Mahe, South Interior Karnataka. **The highest maximum temperature of 44.2°C was reported at Banda (Uttar Pradesh).**
- ❖ **Maximum/day temperatures** were markedly above normal (> 5.1°C) at many places over Himachal Pradesh; at few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at isolated places over Gangetic West Bengal, Bihar and Konkan & Goa. appreciably above normal (3.1°C to 5.0°C) at few places over Sub Himalayan West Bengal & Sikkim, Jharkhand, East Uttar Pradesh and East Madhya Pradesh; at isolated places over Assam & Meghalaya, West Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. above normal (1.6°C to 3.0°C) at many places over Haryana-Chandigarh-Delhi, Punjab, West Rajasthan, Rayalaseema and South Interior Karnataka; at few places over West Uttar Pradesh, Uttarakhand, Saurashtra & Kutch, Chhattisgarh and Coastal Karnataka; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Gujarat Region and Madhya Maharashtra. near normal (-1.5°C to 1.5°C) at most places over Andaman & Nicobar Islands, Arunachal Pradesh, East Rajasthan, Marathwada, Telangana, North Interior Karnataka and Lakshadweep.
- ❖ **Minimum/night temperatures were in the range of 13-19°C** over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Manipur, Mizoram and Nagaland. They were in the range of 20-26°C over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 16.0 °C was observed at Bhilwara (East Rajasthan) over the plains of India.**
- ❖ **Minimum/night Temperature** were appreciably above normal (3.1°C to 5.0°C) over Uttar Pradesh, West Madhya Pradesh above normal (1.6 to 3.0°C) Punjab, East Rajasthan, East Madhya Pradesh, Gangetic West Bengal, Assam, Telangana below normal (-3.0°C to -1.6°C) on Chhattisgarh, Rayalaseema, Saurashtra & Kutch and near normal over rest parts of the country.

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

- ❖ A fresh **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 52°E to the north of Lat. 32°N
- ❖ A **trough/ wind discontinuity** runs from Marathwada to Comorin area across Interior Karnataka, Rayalaseema, Tamil Nadu in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over southwest Rajasthan & adjoining Pakistan in lower tropospheric level
- ❖ An **upper air cyclonic circulation** lies over north Tamil Nadu in lower tropospheric level.
- ❖ A **trough** in westerlies at 1.5 km above mean sea level runs roughly along Long. 89°E to the north of Lat. 21°N.
- ❖ The **Anti-cyclonic circulation** over interior Maharashtra & adjoining Telangana and North Interior Karnataka between 3.1 & 5.8 km above mean sea level persists.

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

Northwest India:

- ❖ **Isolated to Scattered** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 24th & 25th; Himachal Pradesh during 25th - 28th; Uttarakhand on 25th & 26th April.
- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Punjab and Haryana Chandigarh & Delhi during 26th -28th 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 and Nagaland, Manipur, Mizoram & Tripura during 22nd - 24th; Assam & Meghalaya during 22nd -26th April
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya on 26th April.
- ❖ **Isolated Hailstorm activity** likely over Assam & Meghalaya on 22nd April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 22nd & 24th; Assam & Meghalaya during 22nd & 25th; Nagaland, Manipur, Mizoram & Tripura on 25th & 26th with isolated **very heavy rainfall** likely over Arunachal Pradesh during 25th -28th; Assam & Meghalaya during 26th -28th 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 during 22nd -28th; Gangetic West Bengal during 24th -28th; Jharkhand during 24th -26th; Odisha during 22nd -26th April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 25th; Bihar during 24th -26th; Gangetic West Bengal on 26th & 27th April.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 25th & 26th April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Kerala & Mahe, Telangana, Coastal Karnataka and Interior Karnataka during 22nd -26th; Coastal Andhra Pradesh & Yanam during 22nd -25th **with lightning** over Tamil Nadu during 22nd -24th; Rayalaseema on 22nd & 23rd April.
- ❖ **Isolated Hailstorm activity** likely over North Interior Karnataka on 22nd & 23rd April.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Konkan & Goa, Madhya Maharashtra, Marathawada during 22nd -25th April.
- ❖ **Isolated Hailstorm activity** likely over Madhya Maharashtra during 22nd - 24th and Marathawada on 22nd April.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 3-5°C likely over Northwest India till 26th April; gradual fall by about 2-3°C on 27th & 28th April.
- ❖ Gradual rise in maximum temperatures by 2-4 °C likely over central India till 26th and no significant change on 27th & 28th April.
- ❖ No significant change in maximum temperatures likely over East India till 25th and gradual fall by 2-3 °C during 26th -28th April.
- ❖ Gradual rise in maximum temperatures by 2-3 °C likely over Maharashtra till 25th April and no significant change during 26th -28th April.
- ❖ No significant change in maximum temperatures likely over Gujrat State till 23rd and gradual rise in maximum temperatures by 2-3°C thereafter during 24th – 27th and no significant change on 28th April.
- ❖ Gradual rise in maximum temperatures by 2-4 °C likely over Northeast India till 23rd and no significant change during 24th -28th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

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

- ❖ **Heat wave conditions** very likely in isolated pockets of Punjab, Haryana Chandigarh & Delhi, on 24th & 25th; West Uttar Pradesh during 23rd & 25th; East Uttar Pradesh during 22nd -26th; Rajasthan during 24th -26th; Madhya Pradesh during 23rd -26th, Vidarbha & Chhattisgarh during 24th -27th; Gangetic West Bengal, Bihar & Jharkhand on 22nd & 23rd April.
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Odisha and Coastal Andhra Pradesh & Yanam during 22nd -26th; Gangetic West Bengal during 22nd -25th; Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 22nd -24th; Coastal Karnataka on 22nd and 23rd; coastal areas of Gujarat State on 24th -25th April.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Haryana, Chandigarh, Delhi during 22nd -25th; Odisha during 24th -26th; Konkan & Goa during 23rd -25th April.

Weather conditions and forecast over Delhi/NCR during 22nd-25th 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>

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

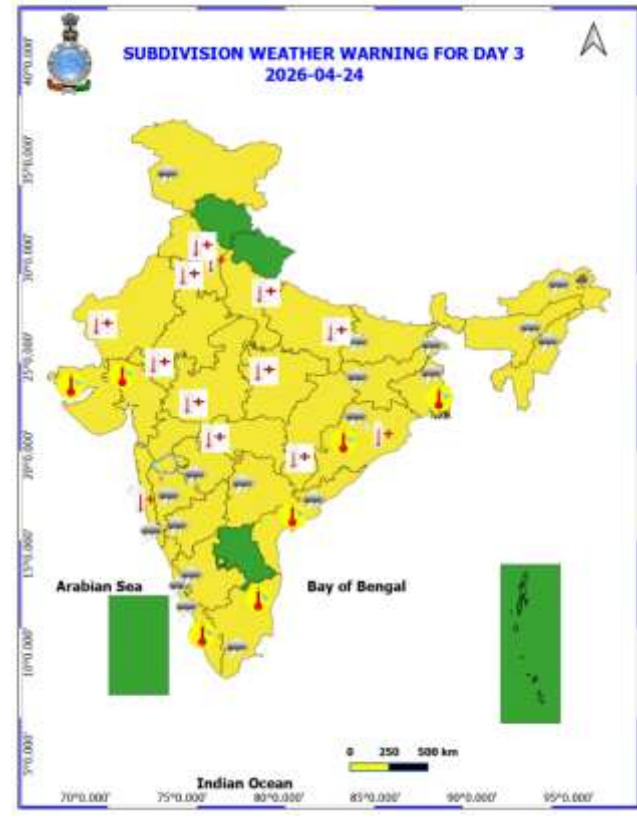
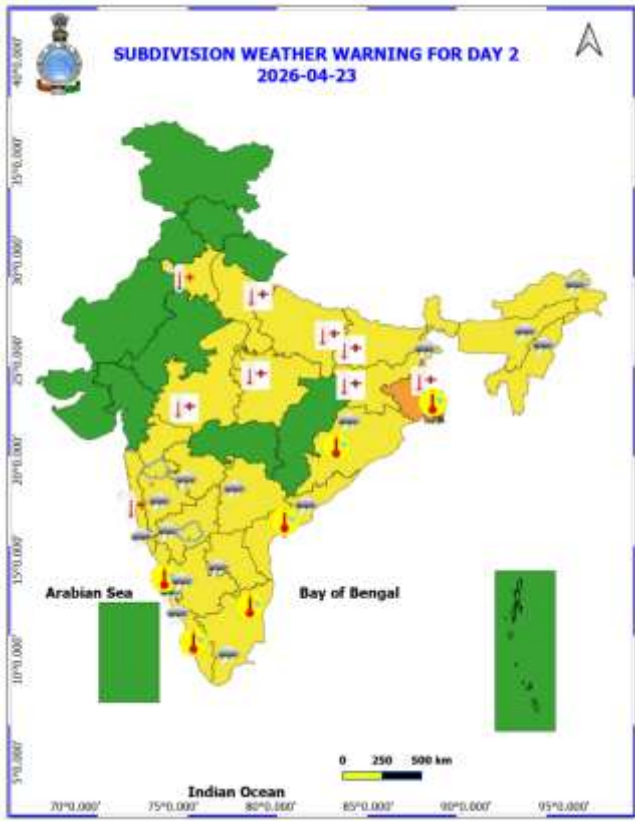
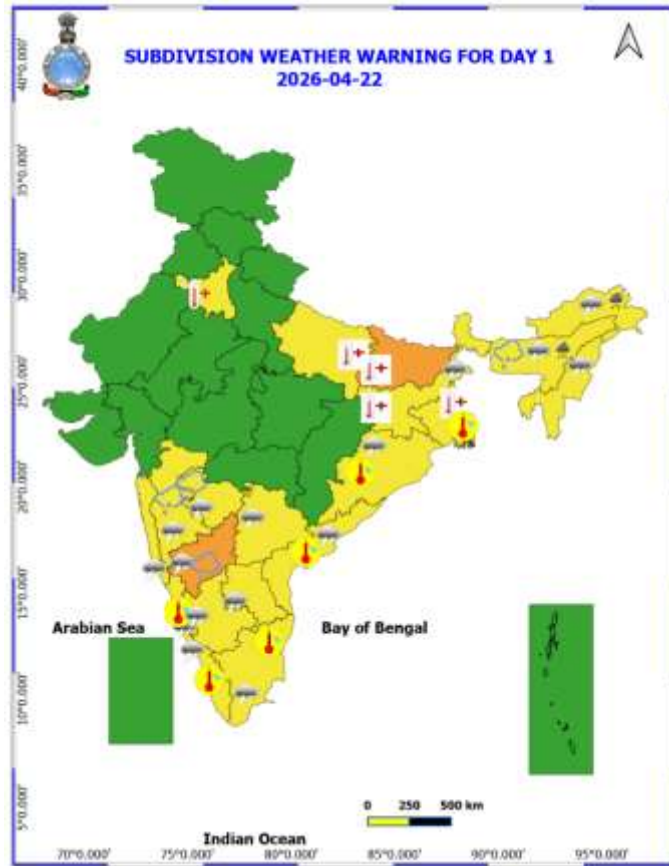
- ❖ **Arunachal Pradesh:** Itanagar 10; **Assam & Meghalaya:** Majuli 11; **Odisha:** Koraput 11

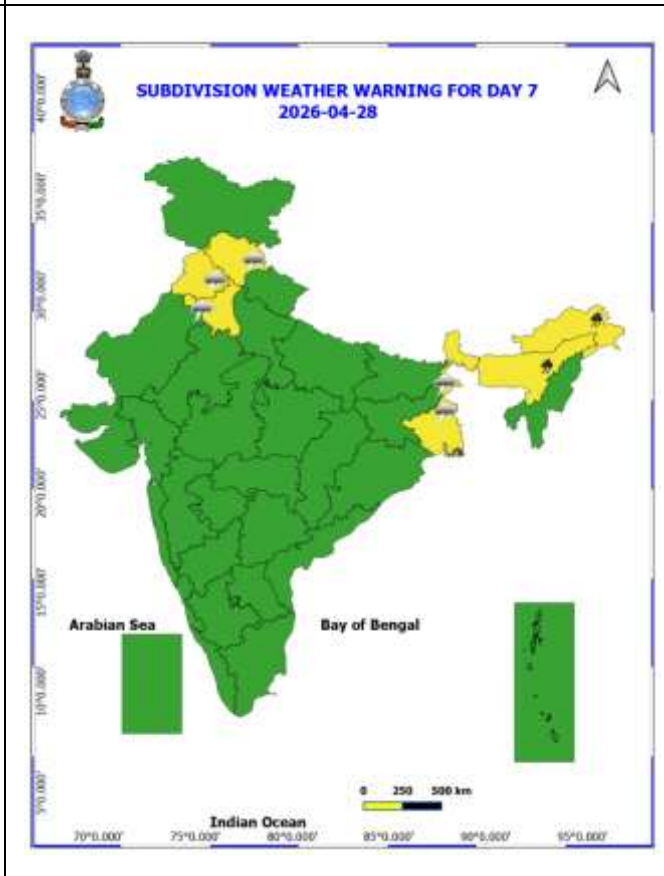
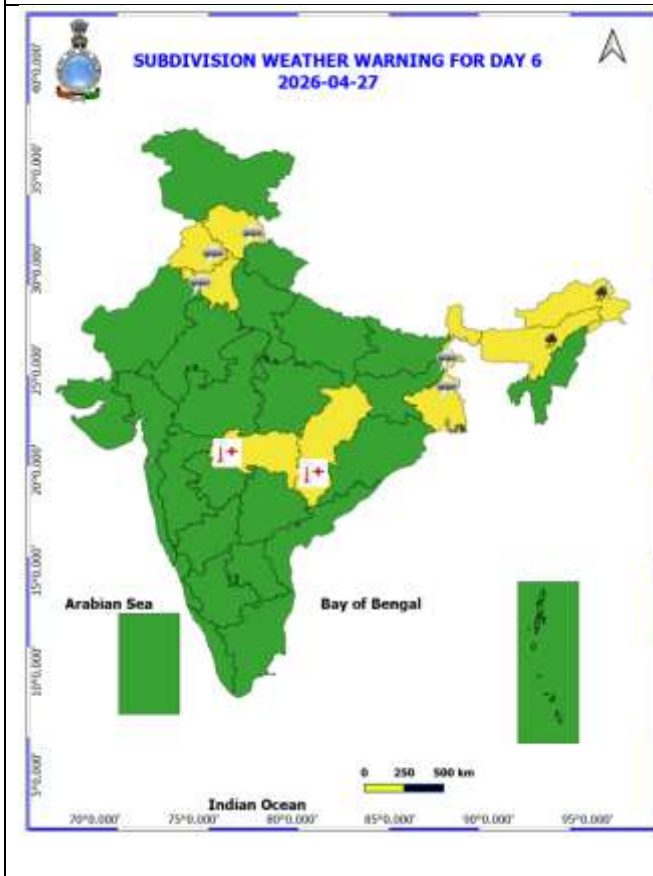
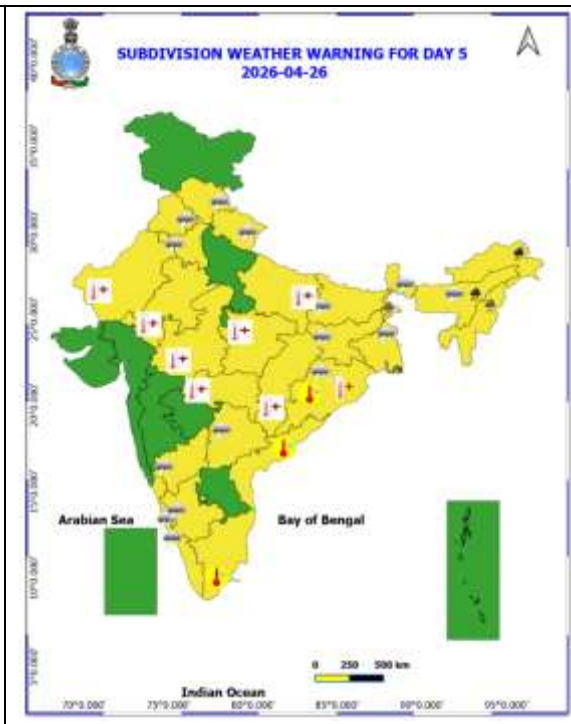
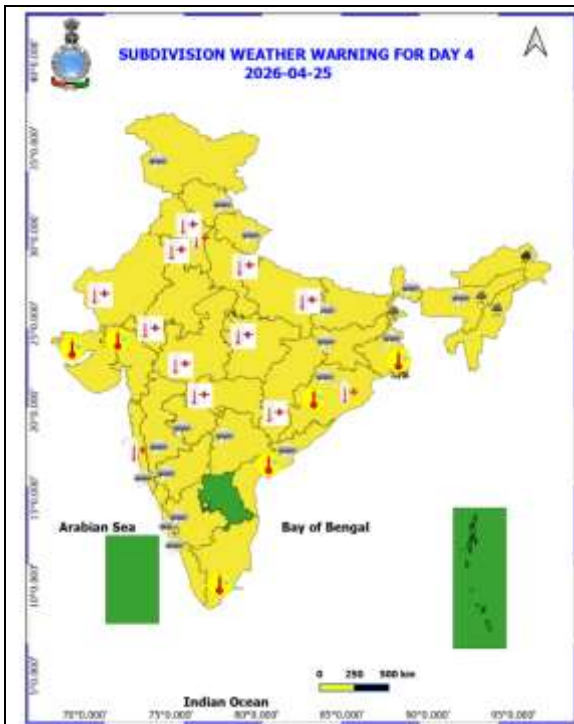
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Sub-Himalayan West Bengal & Sikkim:** Pundibari 52
- ❖ **Assam & Meghalaya:** Shillong 85, Dhubri 76
- ❖ **Arunachal Pradesh:** Bomdila 54, Dirang 43, Longding_New 41
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Porompat 57, Khoupum 50, Kamjong 46, Jiribam 44, Moreh 41, Tujangvaichong 41, Mao 39, Molnom 33, Saikul 33
- ❖ **Odisha:** Koraput 48
- ❖ **Bihar:** Patna 46
- ❖ **Punjab:** Sangrur 39
- ❖ **Haryana:** Hisar 39, Jind 39
- ❖ **West Uttar Pradesh:** Gb Nagar & Bareilly (IAF) 50 Each, Bareilly, Shahjahanpur & Hindon (IAF) 44 Each, Sambahal, Bulandshahar 43 Each, Amroha 41
- ❖ **East Uttar Pradesh:** Bahraich 50, Sitapur, Gorakhpur, Lucknow Integral University & Lucknow 46 Each, Ayodhya 41, Kushinagar, Raebareilly, Mirzapur 39 Each, Varanasi (AP) 37
- ❖ **West Madhya Pradesh:** Seopurkalan 44
- ❖ **East Madhya Pradesh:** Sagar 43
- ❖ **Chhattisgarh:** Koriya 41, Surajpur 37, Raipur 37, Dhamtari 33
- ❖ **Konkan & Goa:** Karjat (Raigad) 33, Alibag 30
- ❖ **Madhya Maharashtra:** Sangli 57, Solapur 44, Kolhapur 39
- ❖ **Marathawada:** Tulga (Dharashiv) 61, Ambejogai (Beed) 44
- ❖ **Gujarat Region:** Arnej 31
- ❖ **Saurashtra & Kutch:** Khavda (Kutch) 43
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Natham_Isro (Dindigul) 56, Vasu_Namakkal (Namakkal) 29, Virudhanagar 29

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	22- Apr	23- Apr	24- Apr	25- Apr	26- Apr	27- Apr	28- Apr
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
2	ARUNACHAL PRADESH	WS	FWS	SCT	FWS	WS	WS	FWS
3	ASSAM & MEHGHALAYA	SCT	SCT	SCT	FWS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	ISOL	ISOL	SCT	SCT	SCT	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	SCT	SCT	SCT	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	ISOL	ISOL	ISOL	ISOL	SCT	FWS	SCT
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	DRY	DRY	ISOL	ISOL	SCT	SCT	SCT
9	BIHAR	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
12	UTTARAKHAND	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
15	HIMACHAL PRADESH	DRY	DRY	DRY	ISOL	SCT	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	DRY	DRY	ISOL	SCT	FWS	ISOL	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	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	ISOL	ISOL	ISOL	ISOL	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	DRY	DRY	DRY	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	ISOL	SCT	ISOL	ISOL	ISOL	SCT	SCT
36	LAKSHADWEEP	DRY	DRY	SCT	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 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 22nd April to 25th April 2026**Past Weather:**

There has been fall in maximum temperatures up to 1°C and rise in the minimum temperatures up to 1-2°C during past 24 hours over Delhi. The maximum temperatures were in the range of 39-40°C and the minimum temperatures are in the range 21-24°C respectively during past 24 hours over Delhi. The minimum temperatures are normal (-1.5°C to 1.5°C) over Delhi. The maximum temperatures are above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Mainly clear sky with surface wind speeds up to 20 kmph gusting to 37 Kmph from northwest direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 20 kmph likely to prevailed from west direction over the region in the forenoon today.

Weather Forecast:

22.04.2026: Mainly clear sky. Strong surface wind speed 15-25 kmph during the day. The maximum temperatures over Delhi are likely to be in the range of 39°C to 41°C. The maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at isolated places with above normal (1.6°C to 3.0°C) at many places over Delhi. The predominant surface wind is likely to be from the west direction with surface wind speed reaching up to 20 kmph during the afternoon hours. The surface wind speed will gradually decrease becoming less than 15 kmph from the west direction during evening and night.

23.04.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 40°C to 42°C and 23°C to 25°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and maximum temperatures will be appreciably above normal (3.0°C to 5.1°C) at many places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 16 kmph during the morning hours. The surface wind speed will decrease becoming less than 12 kmph from west direction during the afternoon. The surface wind speed will decrease becoming less than 10 kmph from the west direction during evening and night.

24.04.2026: Mainly clear sky. Heat wave conditions at isolated places. The maximum and minimum temperatures over Delhi are likely to be in the range of 42°C to 44°C and 22°C to 24°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 above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching upto 10 kmph during the morning hours. The surface wind speed will decrease becoming less than 15 kmph from west direction during the afternoon. The surface wind speed will decrease becoming less than 10 kmph from the west direction during evening and night.

25.04.2026: Partly cloudy sky. Heat wave conditions at isolated places. The maximum and minimum temperatures over Delhi are likely to be in the range of 42°C to 44°C and 24°C to 26°C, respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and the maximum temperature will be appreciably above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 10 kmph during the morning hours. The surface wind speed will be up to 15 kmph from northwest direction during the afternoon. The surface wind speed will decrease becoming less than 12 kmph from the northwest direction during evening and night.

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; Sub-Himalayan West Bengal & Sikkim on 25th; Bihar during 24th-26th; Gangetic West Bengal on 26th & 27th April.
- ❖ **Isolated Hailstorm activity** likely over Assam & Meghalaya on 22nd; North Interior Karnataka on 22nd & 23rd; Madhya Maharashtra during 22nd - 24th and Marathawada on 22nd 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 Arunachal Pradesh during 22nd & 24th; Assam & Meghalaya during 22nd & 25th; Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim on 25th & 26th with isolated **very heavy rainfall** likely over Arunachal Pradesh during 25th -28th; Assam & Meghalaya during 26th -28th 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** very likely in isolated pockets of Punjab, Haryana Chandigarh & Delhi, on 24th & 25th; West Uttar Pradesh during 23rd & 25th; East Uttar Pradesh during 22nd -26th; Rajasthan during 24th -26th; Madhya Pradesh during 23rd -26th, Vidarbha & Chhattisgarh during 24th -27th; Gangetic West Bengal, Bihar & Jharkhand on 22nd & 23rd 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, Madhya Maharashtra, Marathwada 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**, harvest cabbage, pea, mustard, late-maturing paddy varieties & potatoes carefully and shift the harvested produce to safe places. Ensure proper drainage channels 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.
-

Agromet advisories for likely impact of High temperatures/ Heat Waves

- **Maharashtra** - In **Konkan**, irrigate green gram, vegetables, and newly planted arecanut 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 *Boro* 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 per requirement.
- **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.
- **Tamilnadu** - 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

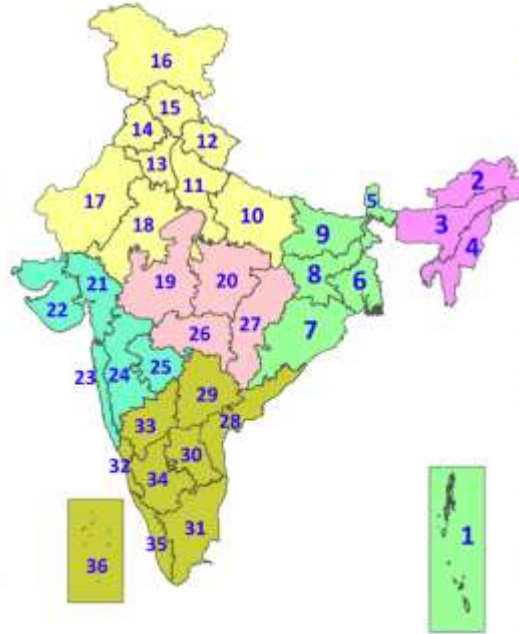
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In 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	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
Dust/Sand Storm	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
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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