



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 30th March 2026

Time of Issue: 1330 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 30th March & 04th April, 2026. Isolated heavy rainfall/snowfall is also likely over Kashmir valley today.

(ii) Isolated Hailstorms likely over Northwest India on 30 March, and over Central & East India on 31st March and over north Peninsular India on 30th & 31st March 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) Isolated rainfall along with thunderstorm, lightning & gusty winds likely to continue over South Peninsular India during the week with possibility of isolated heavy falls over Kerala during 31 March-01 April, 2026.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 30th March, 2026:

- ❖ **Heavy rainfall (7-11cm)** has been recorded at isolated places over Tripura and Kerala.
- ❖ **Hailstorm activity** reported at isolated places over Haryana, West Madhya Pradesh, Madhya Maharashtra.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 30-50 kmph at isolated places over Arunachal Pradesh, Meghalaya, Tripura, Odisha, Uttarakhand, Punjab, West Rajasthan, Madhya Pradesh, East Madhya Pradesh, Vidarbha, Konkan, Madhya Maharashtra, Marathawada, Tamil Nadu, Puducherry & Karaikal, Gujarat Region.

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 parts of Telangana, Chhattisgarh, Rayalaseema, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam; At many places over Maharashtra, interior Odisha, North Interior Karnataka; at a few places over West Madhya Pradesh, southeast Uttar Pradesh, Konkan & Goa and in the range of (32°C- 36°C) at most places over Rajasthan, Gujarat Region, Gangetic West Bengal; at many places over Jharkhand, remaining parts of East Uttar Pradesh, southwest Uttar Pradesh, Bihar, Saurashtra & Kutch, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Andaman & Nicobar Islands; at a few places over Haryana-Delhi and below 32°C over Western Himalayan Region, Punjab, Northeast India, Sub-Himalayan West Bengal & Sikkim. **The highest maximum temperature of 41.4°C was reported at AKOLA (VIDARBHA).**
- ❖ **Maximum Temperatures/day temperatures** were appreciably above normal (3.1°C to 5.0°C) at isolated places over Chhattisgarh. above normal (1.6°C to 3.0°C) at few places over Haryana-Chandigarh-Delhi, East Madhya Pradesh. The appreciably below normal (-3.1°C to -5.0°C) at isolated places over Arunachal Pradesh; below normal (-1.5°C to -3.0°C) at many places over Gujarat State; at few places over Punjab, Gangetic West Bengal, Madhya Maharashtra, South Interior Karnataka.
- ❖ **Minimum/night temperatures** were in the range of 12-18°C over Jammu-Kashmir, Himachal Pradesh, Punjab, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, 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 Gurdaspur (Punjab) 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, Haryana Chandigarh & Delhi, Punjab, Uttar Pradesh, East Madhya Pradesh, Madhya Maharashtra, Vidarbha, Rajasthan and Gujarat State **above normal (1.6°C to 3.0°C)** over Odisha, Uttarakhand, Himachal Pradesh, West Madhya Pradesh, Marathawada, Konkan, Telangana, North Interior Karnataka, Chhattisgarh, Jharkhand, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal

and Gangetic West Bengal **below normal (-3.0°C to -1.6°C)** over Nagaland and Mizoram 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 a trough in lower to upper tropospheric levels roughly along Long. 65°E to the north of Lat. 20°N in lower tropospheric level.
- ❖ The **induced upper air cyclonic circulation** now lies over Punjab & adjoining Haryana in lower tropospheric level.
- ❖ A **trough** runs from an upper air cyclonic circulation lies over Punjab & adjoining Haryana to northeast Arabian Sea across West Rajasthan in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over northwest Uttar Pradesh in lower tropospheric level.
- ❖ A **trough** runs from an upper air cyclonic circulation lies over northwest Uttar Pradesh to interior Odisha across Madhya Pradesh, Chhattisgarh in lower tropospheric level.
- ❖ An **East-West trough** runs from northeast Bihar to Manipur across North Bangladesh, Meghalaya and southeast Assam in lower tropospheric level.
- ❖ A **trough/Wind** discontinuity now runs from west Vidarbha to south Tamil Nadu across Marathwada and Interior Karnataka in lower tropospheric level.
- ❖ A **trough** from Bihar to Gangetic West Bengal across Jharkhand in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over northeast Assam & neighbourhood in lower tropospheric level.
- ❖ A **trough** in easterlies runs from Comorin area to North Interior Karnataka across Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka in lower tropospheric level.
- ❖ A fresh Western Disturbance is likely to affect Northwest India from 02nd April, 2026.

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

Northwest India:

- ❖ **Scattered to fairly widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds speed reaching (40-50 kmph) likely over western Himalayan region on 30th -31st March.
- ❖ **Isolated to Scattered** light to moderate rainfall with thunderstorm, lightning & gusty winds speed reaching (30-50 kmph) likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and East Rajasthan on 30th & 31st March and West Rajasthan on 30th March.
- ❖ 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) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 03rd & 04th April; Uttarakhand during 03rd -05th April with **isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds speed reaching (30-50 kmph reaching 60 kmph) likely over Punjab and Haryana Chandigarh & Delhi during 03rd -05th and West Rajasthan during 02nd – 04th; East Rajasthan on 03rd & 04th; West Uttar Pradesh on 04th & 05th April.
- ❖ **Isolated heavy rainfall/snowfall** likely over Kashmir valley on 30th March.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh and East Rajasthan on 30th March.

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds speed reaching (30-50 kmph)** likely over northeast India during 30th March- 03rd April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh 31st March & 01st April; Assam & Meghalaya during 30th March -01st April and Tripura on 30th & 31st March.

East India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 30th March- 02nd April.
- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching (40-50 gusting to 60 kmph)** likely over Gangetic West Bengal on 30th March; Jharkhand on 30th, 31st March and 02nd & 03rd April; Odisha during 30th March -03rd April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) likely** over Odisha on 30th, Bihar and Gangetic West Bengal on 31st March.
- ❖ **Isolated Hailstorm activity** likely over Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand and Odisha on 31st March.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 31st March.

Central India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds speed reaching (30-50 kmph)** likely over Central India during next 5 days.
- ❖ **Isolated hailstorm activity** likely over West Madhya Pradesh on 30th March and Vidarbha on 31st March & 01st April & Chhattisgarh during 30th March - 01st April.

West India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds speed reaching (30-50 gusting to 60 kmph)** likely over Madhya Maharashtra and Marathawada during 30th March – 03rd April; Gujarat State on 30th March and on 02nd & 03rd April with lightning over Konkan & Goa during 31st March – 02nd April.
- ❖ **Isolated hailstorm activity** likely over Madhya Maharashtra and Marathawada on 30th & 31st March.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds speed reaching (30-50 gusting to 60 kmph)** likely over Kerala & Mahe on 30th & 31st March; Coastal Andhra Pradesh & Yanam, Telangana and Interior Karnataka during 30th March – 03rd April; Rayalaseema during 30th March – 01st April with **lightning** over Tamil Nadu on 30th & 31st March; Kerala & Mahe during 01st-03rd April and Coastal Karnataka 30th March -03rd April.
- ❖ **Isolated heavy rainfall** likely over Kerala & Mahe on 30th & 31st March; Coastal Karnataka on 30th March.
- ❖ **Isolated hailstorm activity** likely over Telangana and North Interior Karnataka on 30th March.

Forecast of maximum/day temperatures:

- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Northwest India except Uttar Pradesh till 30th March; gradual rise by 3-5°C during 31st March-03rd April; gradual fall by 3-5°C on 04th & 05th April.
- ❖ No significant change in maximum temperatures likely over Central India till 01st April and gradual fall by 2-3°C during 02nd -05th April.
- ❖ No significant change in maximum temperatures likely over East India till 01st April and gradual rise by 2-4°C during 02nd -05th April.
- ❖ Gradual fall in maximum temperatures by 2-3°C likely over Gujarat State till 01st April and no significant change during 02nd -05th April.
- ❖ No significant change in maximum temperatures likely over Maharashtra till 30th March and gradual fall by 2-3°C during 31st March -05th 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 during 30th March to 04th April, 2026:

Bay of Bengal: Over Gangetic West Bengal during 30th March to 01st April.

Arabian Sea: along and off the Oman, Iran coasts, Gulf of Oman adjoining northwest Arabian Sea for 30th March.

Weather conditions and forecast over Delhi/NCR during 30th March-01st 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/fishermen-warning.php>

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

Kerala: Kozikode 8

Tripura: Kadamtala 8

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

Arunachal Pradesh: Kalaktang 44

Meghalaya: Jowai 33

Tripura: Sabroom (South) 50, Ashapara (North) 33

Odisha: Janhukuda 48

Uttarakhand: Rani_Chawri 37, Mukteshwar 33, Champawat 33, Koshyakutoli 30, Kapkote 30

Punjab: Muktsar Sahib 55, Bathinda 44

West Rajasthan: Jodhpur 41

West Madhya Pradesh: Hosangabad, Sehore 39

East Madhya Pradesh: Jabalpur 44

Vidarbha: Akola 31

Konkan: Karjat Raigad 35, Santacruz (Mumbai) 33

Madhya Maharashtra: Baramati (Pune) 37, Ragurunagar (Pune) 35,, Shahada (Nandurbar) 33

Marathawada: Ambejogai (Beed) 41, Hingoli 26

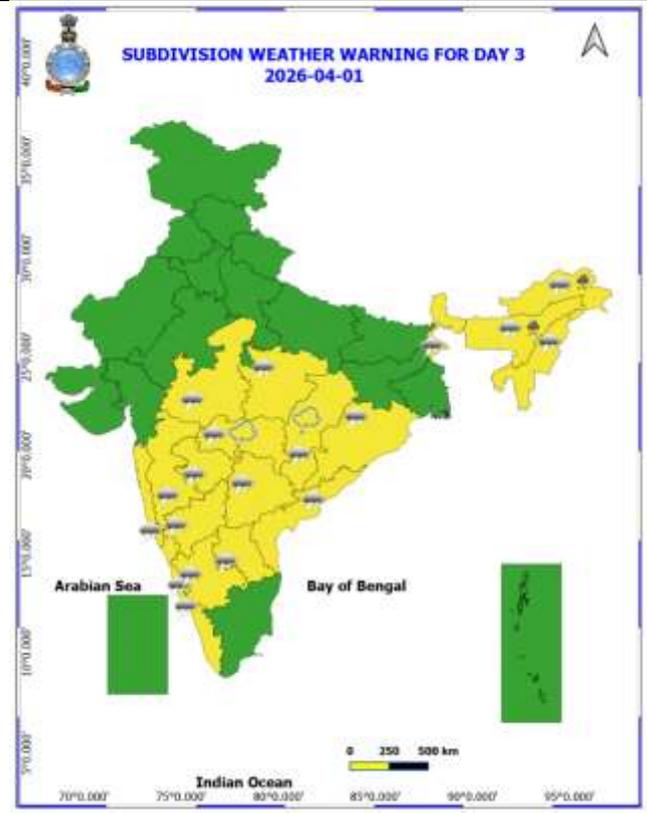
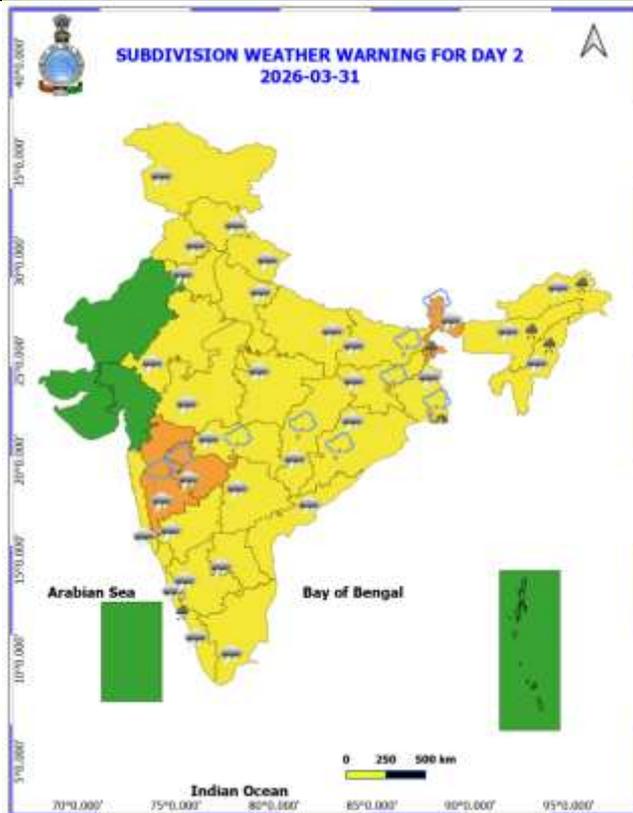
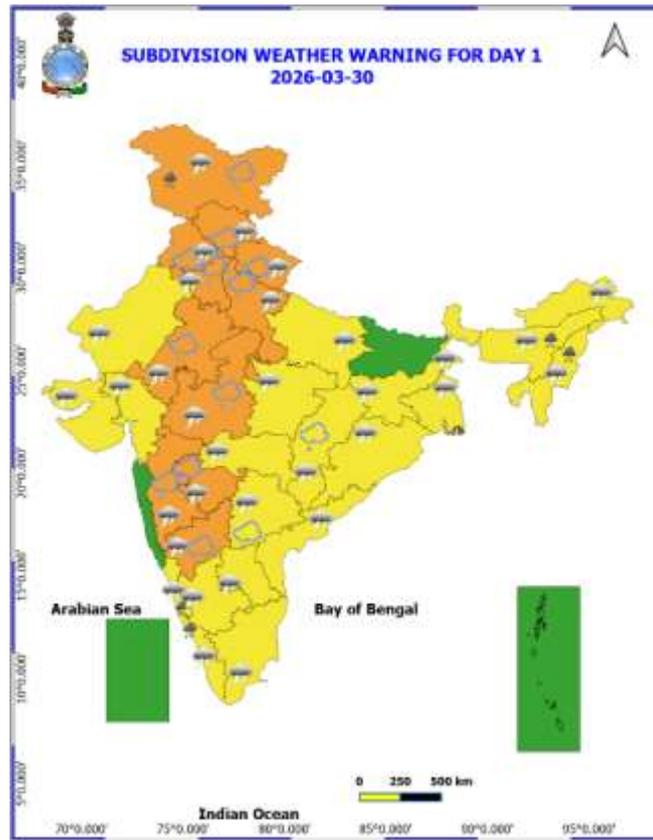
Tamil Nadu, Puducherry & Karaikal: Virudhunagar 41 Periakulam (Theni) 61 Natham_Isro (Dindigul) 54

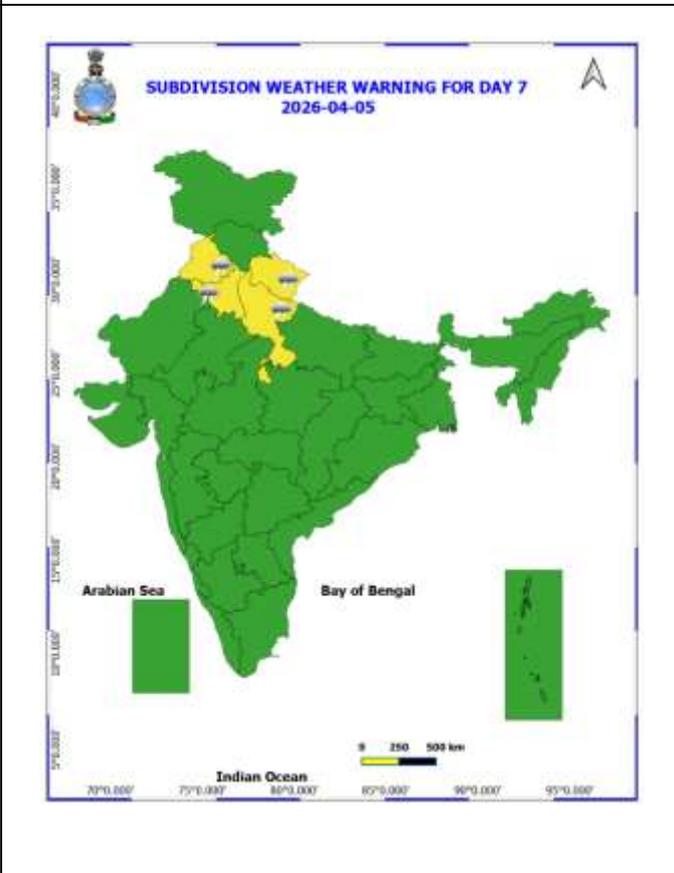
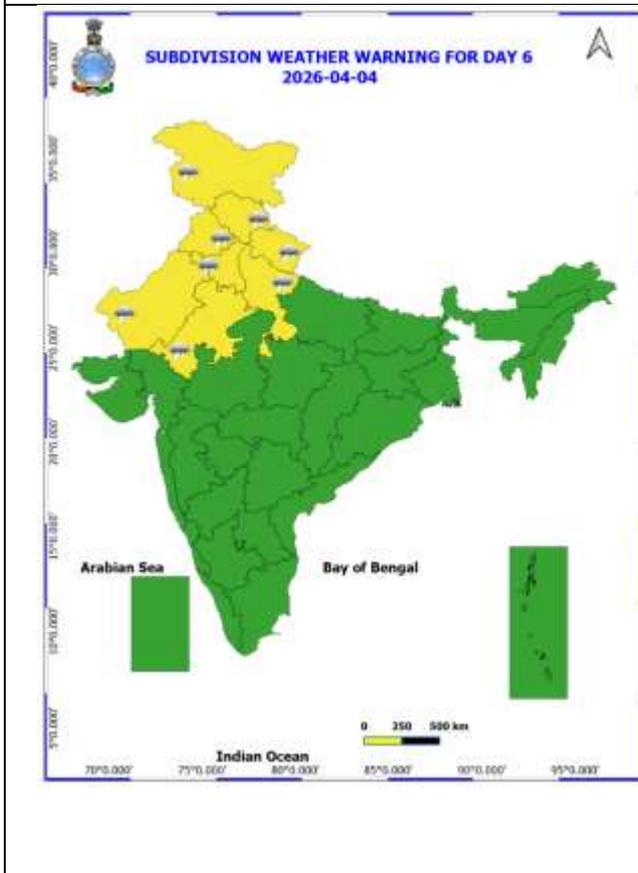
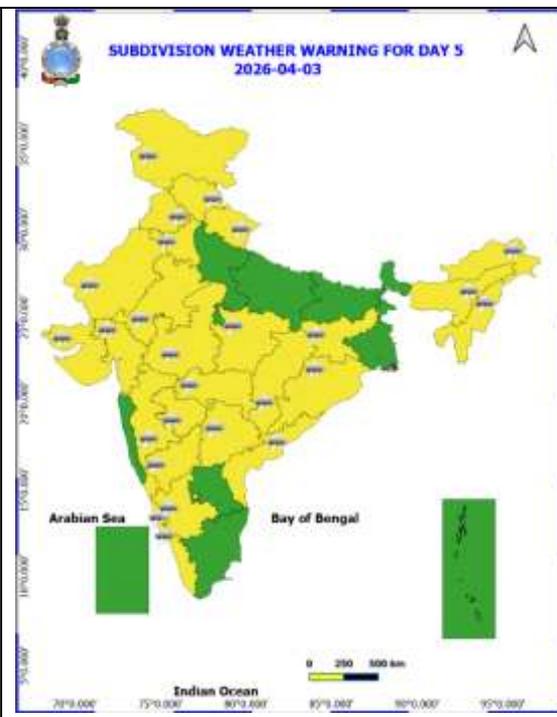
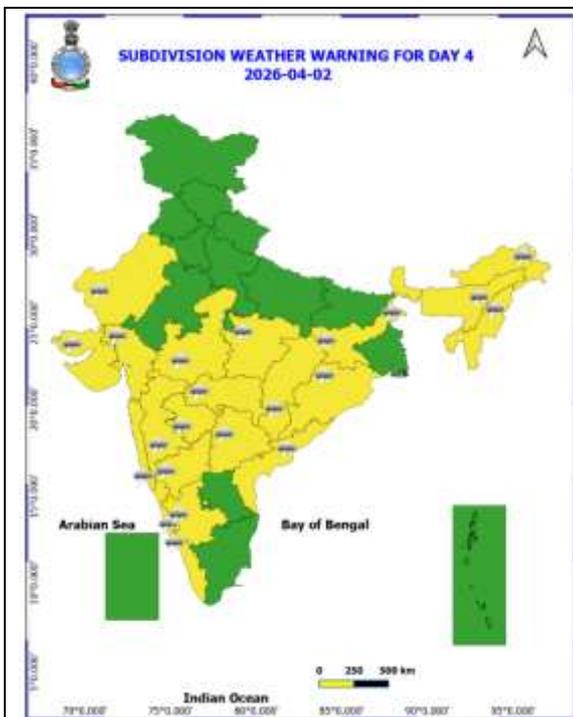
Gujarat Region: Tharad (Banaskantha) 37

Saurashtra & Kutch: Khavda (Kutch) 52

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

Weather forecast over Delhi/NCR during 30th March-02nd April 2026**Past Weather:**

There has been no large change in minimum temperatures and rise in maximum temperatures by 1- 3°C during past 24 hours over Delhi. The maximum temperatures were in the range of 35-36°C and the minimum temperatures are in the range 19-21°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at few places and above normal (1.6°C to 3.0°C) at remaining places over Delhi. The maximum temperatures are appreciably above normal (3.1°C to 5.0°C) at few places and above normal (1.6°C to 3.0°C) at remaining places over Delhi. Partly cloudy sky with wind speed up to 20 kmph gusting up to 32 kmph from the southeast direction prevailed during past 24 hours. Partly cloudy sky with surface winds of 20 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

30.03.2026: Partly cloudy sky becoming generally cloudy sky towards afternoon. A spell of very light to light rain accompanied with thunderstorm/lightning and strong surface winds speed 30-40 kmph gusting to 50 kmph in the afternoon. Another spell of very light rain /drizzle accompanied with thunderstorm/lightning and strong surface winds speed 20-30 kmph gusting to 40 kmph during evening to night. The maximum temperatures over Delhi are likely to be in the range of 33°C to 35°C. The maximum temperatures will be above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the north direction with wind speed reaching up to 25 kmph during the afternoon hours. The wind speed will gradually decrease becoming less than 15 kmph from the north direction during evening and night.

31.03.2026: Generally cloudy sky. A spell of very light rain/drizzle during afternoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 18°C to 20°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places and the maximum temperature will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from southeast direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase up to 12 kmph from north direction during the afternoon. The wind speed will gradually increase becoming less than 15 kmph from the northeast direction during 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 18°C to 20°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places and the maximum temperature will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the southeast direction with wind reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 15 kmph from northwest direction during the afternoon. The wind speed will gradually decrease becoming less than 12kmph from the northeast direction during evening and night.

02.04.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the ranges of 35°C to 37°C and 19°C to 21°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 above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from northeast direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 15 kmph from the northwest direction in the afternoon. The wind speed will gradually decrease becoming up to 10 kmph from the northwest direction during evening and night.

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

- Be cautious and take precautionary measures, though there is the likelihood of thunderstorms/lightning and gusty winds (speed 30 – 40 kmph) temporarily reaching 50 kmph during thunderstorms with dust rising surface winds.
- Breaking of tree branches, uprooting of large avenue trees, Large dead limbs blown from trees, Damage to standing crops, Minor to major damage to power and communication lines due to breaking of branches, Partial damage to vulnerable structures due to strong winds, Loose objects may fly.

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

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

- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana Chandigarh & Delhi, West Uttar Pradesh and East Rajasthan on 30th March; Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand and Odisha on 31st March; West Madhya Pradesh on 30th March and Vidarbha on 31st March & 01st April and Chhattisgarh during 30th March - 01st April Madhya Maharashtra and Marathwada on 30th & 31st March; Telangana and North Interior Karnataka on 30th March.

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/snowfall over

- ❖ **Isolated heavy rainfall/snowfall** likely over Kashmir valley on 30th March.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh 31st March & 01st April; Assam & Meghalaya during 30th March -01st April and Nagaland, Manipur, Mizoram & Tripura on 30th & 31st March; Sub-Himalayan West Bengal & Sikkim on 31st March; Kerala & Mahe on 30th & 31st March; Coastal Karnataka on 30th March.

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 **Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, East Rajasthan, West Uttar Pradesh, West Bengal, Odisha, Jharkhand, Bihar, West Madhya Pradesh, Chhattisgarh Madhya Maharashtra, Marathwada Vidarbha, North Interior Karnataka and Telangana.**
- Undertake harvesting of matured crops and fruits immediately and shift them to safer places.

Agromet advisories for likely impact of Heavy Rainfall

- In **Jammu & Kashmir**, make necessary arrangements to drain out excess rain water from wheat, gram, mustard and vegetable fields.
- 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

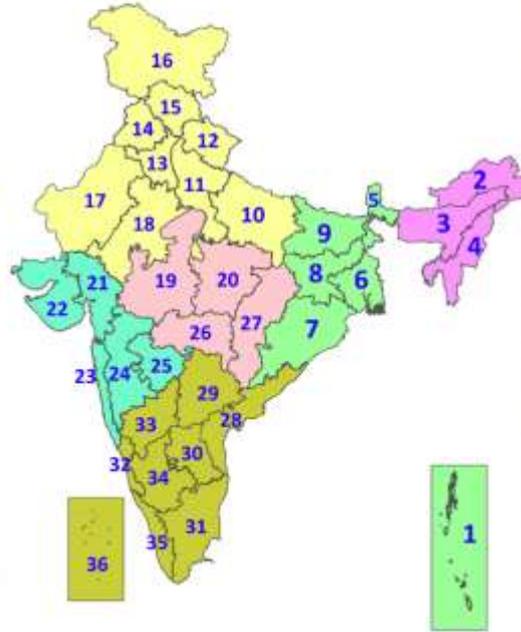
- Keep the animals inside the shed during Heavy Rainfall/Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.

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

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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