



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 02nd April 2026

Time of Issue: 1330 hours IST

Subject: (i) Two active Western disturbances likely to affect northwest India during the week with peak intensity on 3rd & 4th and on 7th April. Hailstorm activity is likely over the region on 03rd & 04th. Isolated heavy rainfall also likely over Kashmir valley on 03rd & 04th April.

(ii) Wet spell with thunderstorm & lightning likely over central parts of the country till 06th April with isolated hailstorm activity likely till 04th April, 2026.

(iii) Day temperatures are likely to remain near normal to below normal over Northwest India during the week.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 02nd April, 2026:

- ❖ **Heavy rainfall (7-11cm)** has been recorded at isolated places over Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and East Madhya Pradesh.
- ❖ **Hailstorm activity** reported at isolated places over Madhya Maharashtra and south Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 50-80 kmph prevailed at isolated places over Madhya Pradesh.

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

- ❖ **Maximum/day temperatures were in the range (36°C- 41°C):** at most places over Madhya Pradesh, Chhattisgarh, Marathwada, Vidarbha, Telangana, Rayalaseema ; at many places over Odisha , Madhya Maharashtra, coastal Andhra Pradesh, north interior Karnataka , Kerala, southeast Uttar Pradesh ; at isolated places over Gangetic West Bengal, Jharkhand, east Rajasthan and **in the range of (32°C- 36°C)** at many places over Rajasthan, , Gujrat state, west Uttar Pradesh, south interior Karnataka, Bihar, Delhi, Andaman & Nicobar Islands and below 32°C over remaining Parts of India. **The highest maximum temperature of 40.6°C is reported at Amravati (Maharashtra).**
- ❖ **Maximum Temperatures/day temperatures were appreciably above normal (3.1°C to 5.0°C)** at isolated places over Assam & Meghalaya; **above normal (1.6°C to 3.0°C)** at a few places over Coastal Karnataka, Lakshadweep; at isolated places over East Madhya Pradesh, East Rajasthan, Gangetic West Bengal, Jammu & Kashmir, Kerala & Mahe, Konkan & Goa, Odisha, Tamil Nadu, Puducherry & Karaikal, Vidarbha, West Madhya Pradesh, West Uttar Pradesh; **markedly below normal (- 5.1°C or less)** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Haryana-Chandigarh-Delhi, Madhya Maharashtra, Sub Himalayan West Bengal & Sikkim, West Rajasthan; **below normal (-3.0°C to -1.6°C)** at a few places over Gujarat Region, Telangana; at isolated places over Andaman & Nicobar Islands, Bihar, Coastal Andhra Pradesh & Yanam, East Madhya Pradesh, East Rajasthan, East Uttar Pradesh, Himachal Pradesh, Odisha, Tamil Nadu, Puducherry & Karaikal, Uttarakhand, West Madhya Pradesh, West Uttar Pradesh.
- ❖ **Minimum/night temperatures** were in the range of **12-18°C** over Himachal Pradesh, Punjab, Haryana, Sikkim, Assam & Meghalaya. They were in the range of **18-25°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 16.0 °C was observed at Bareilly (West Uttar Pradesh) over the plains of India.**
- ❖ **Minimum/night Temperature** were **appreciably above normal (3.1°C to 5.0°C)** over Himachal Pradesh, Madhya Pradesh **above normal (1.6°C to 3.0°C)** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad , Punjab, Haryana, Chandigarh, Uttar Pradesh, West Rajasthan, Gujarat Region, Madhya Maharashtra, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya , Chhattisgarh; **below normal (-3.0°C to -1.6°C)** over Marathawada, Vidarbha, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** lies over east Iran and adjoining Afghanistan between lower and upper tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over East Rajasthan in lower tropospheric level.
- ❖ A **trough** runs from East Rajasthan to east central Arabian sea across Gujarat state in lower tropospheric level.
- ❖ A **trough** runs from east Jharkhand to south Chhattisgarh in lower tropospheric level.
- ❖ A **trough** runs from interior Tamil Nadu to central Konkan across Interior Karnataka in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over central Assam in lower tropospheric level.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 07th April, 2026.

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

Northwest India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Uttarakhand and Himachal Pradesh during 03rd -06th April; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over East Rajasthan during 02nd; West Rajasthan during 02nd -04th and 06th; West Uttar Pradesh on 03rd April.
- ❖ Another fresh wet spell with **Scattered to fairly widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh and Uttarakhand on 07th & 08th April; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Punjab, Haryana Chandigarh & Delhi and Rajasthan on 07th & 08th April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi and East Rajasthan on 03rd & 04th; West Rajasthan on 03rd; Uttarakhand on 04th; Uttar Pradesh on 04th & 05th April.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir on 03rd, 04th & 07th and Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi on 03rd & 04th, Uttarakhand on 04th, West Uttar Pradesh on 04th & 05th, Rajasthan on 03rd on 04th April and East Uttar Pradesh on 5th April.
- ❖ **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 03rd & 04th April.

Northeast India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds** (speed reaching 30-50 kmph) likely over Arunachal Pradesh on 02nd, Assam & Meghalaya during 02nd -06th and Nagaland, Manipur, Mizoram & Tripura during 02nd -04th April with lightning over Arunachal Pradesh on 04th & 05th April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 02nd and during 06th - 08th April; Assam & Meghalaya on 02nd, 05th & 06th April.

East India:

- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 40-50 kmph gusting to 60 kmph) likely over Andaman & Nicobar Islands on 02nd, West Bengal & Sikkim during 05th-07th, Jharkhand on 04th; Odisha during next 5 days.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Bihar during 05th -08th; Jharkhand on 05th & 06th April.

Central India:

- ❖ **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmph) likely over Central India during next 5 days.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Madhya Pradesh on 03rd & 04th April.
- ❖ **Isolated Hailstorm activity** likely over Madhya Pradesh during 02nd -04th, Chhattisgarh on 04th April.

West India:

- ❖ **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 40-50 gusting to 60 kmph) likely over Madhya Maharashtra on 04th, Marathawada on 04th & 05th and Gujarat State during 02nd & 03rd April with lightning over coastal Maharashtra on 02nd April.

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) with isolated hailstorm activity** likely over Madhya Maharashtra and Marathawada on 02nd & 03rd April.

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 during 02nd -05th; Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka during 02nd – 06th; Rayalaseema on 05th & 06th April; with **lightning** over Coastal Karnataka during 02nd -04th and Tamil Nadu, Puducherry & Karaikal during 03rd -06th April.

Hot & Humid weather Warnings:

- ❖ **Hot & humid conditions** very likely to prevail in isolated pockets over Kerala on 02nd; Gangetic West Bengal & Odisha during 02nd -04th April.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 2-3°C likely over Northwest India till 02nd April; gradual fall by 3-5°C on 03rd & 04th April and no significant change thereafter during 05th – 08th. However, it will remain normal to below normal till 06th April, 2026.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Central India till 04th April and no significant change during 05th -08th April.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over East India till 05th April and no significant change during 06th -08th April.
- ❖ Gradual rise in maximum temperatures by 2-4°C likely over Northeast India till 02nd April and no significant change in maximum temperatures during 03rd - 08th April.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Maharashtra till 05th April; gradual rise by 2-4°C during 06th -08th April.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Gujarat State till 02nd April and no significant change during 03rd-08th 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 02nd April to 07th April, 2026:

Bay of Bengal: No warning.

Arabian Sea: Over central parts of north Arabian Sea on 02nd April; over some parts of northeast Arabian Sea, along and off northern parts of north Gujarat coast on 03rd April.

Weather conditions and forecast over Delhi/NCR during 02nd-05th 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):

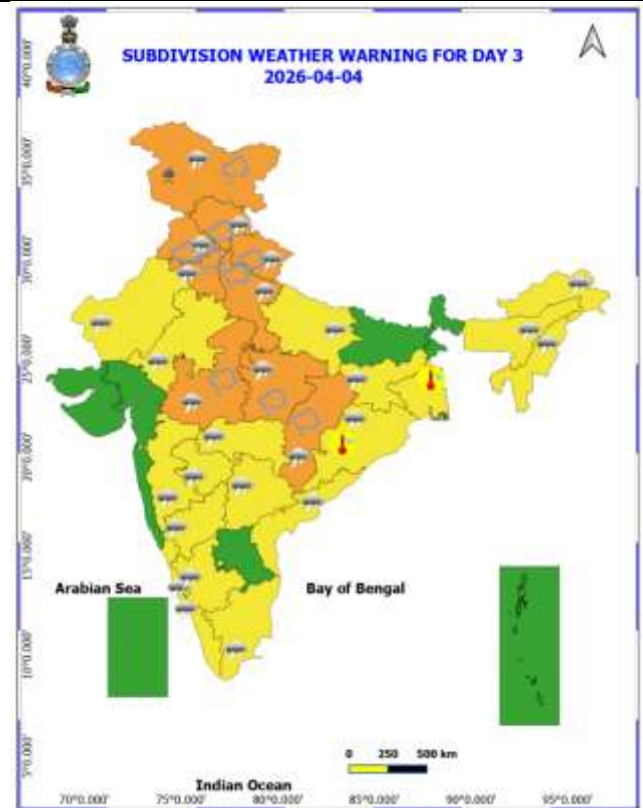
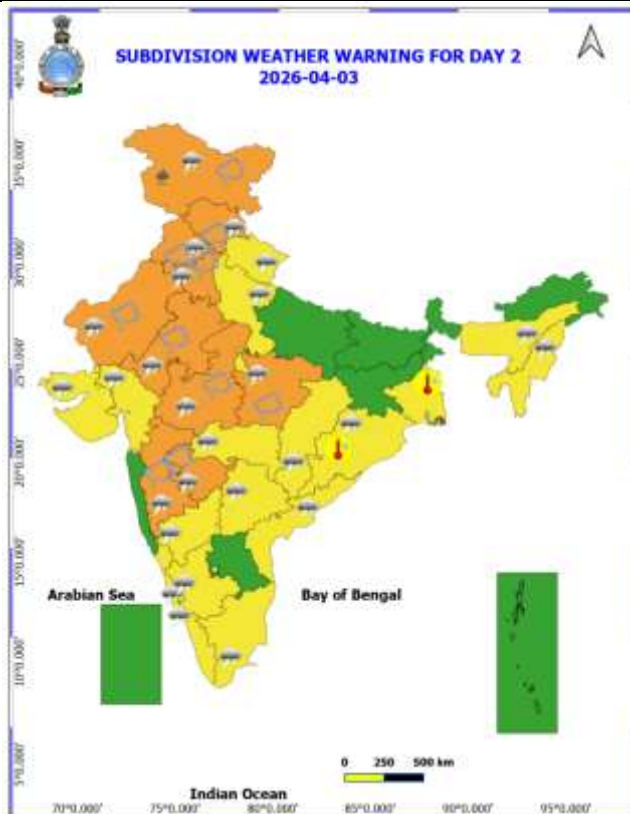
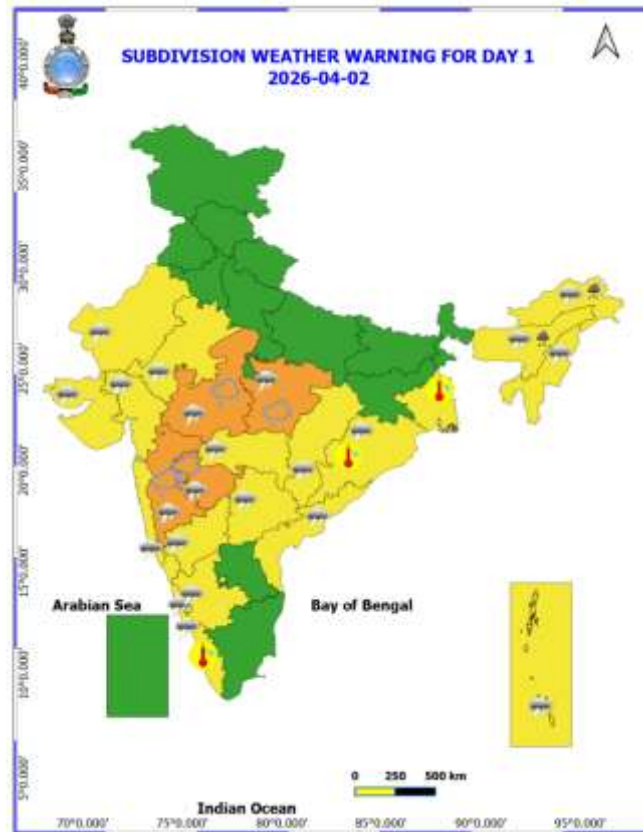
- ❖ **Arunachal Pradesh:** Itanagar WC 10
- ❖ **Assam:** Dhubri 9
- ❖ **Sub-Himalayan West Bengal:** JITI T.E. 7
- ❖ **East Madhya Pradesh:** Pandhurna (dist Chindwara) 8

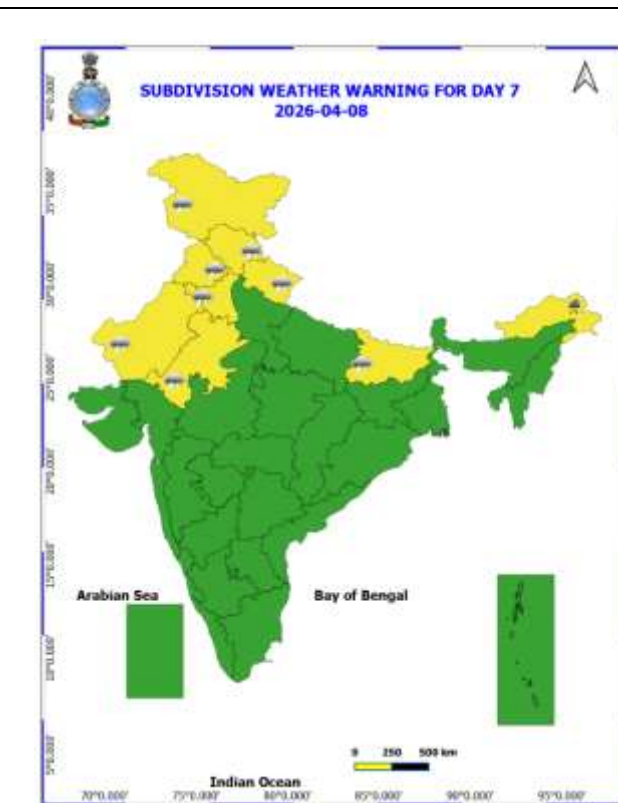
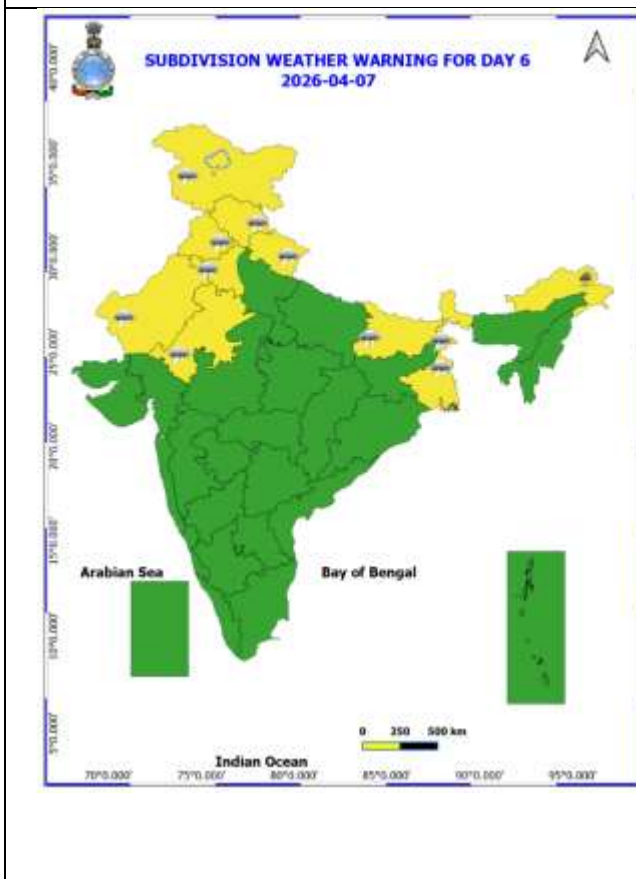
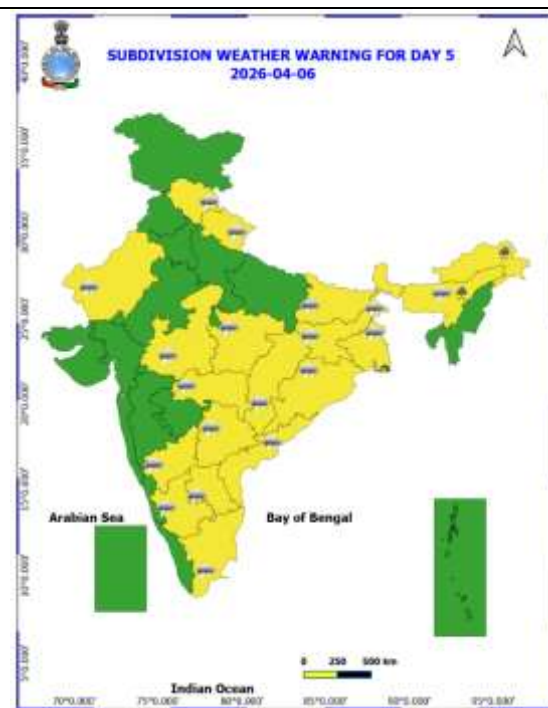
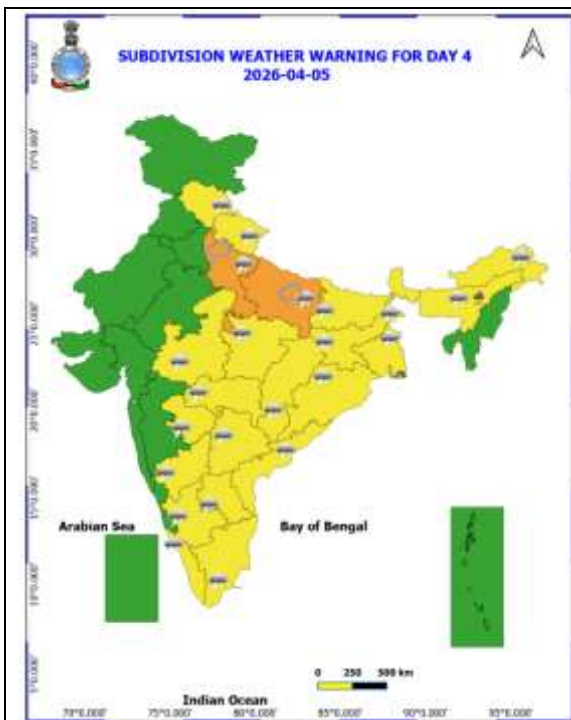
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **West Madhya Pradesh:** Indore 37
- ❖ **East Madhya Pradesh:** Jabalpur 44

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

- As the lead period increases forecast accuracy decrease.





- Action may be taken based on ORANGE AND REDCOLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

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

Weather forecast over Delhi/NCR during 02nd to 05th April 2026

Past Weather:

There has been rise in minimum temperatures up to 2-3°C and no large change in maximum temperatures during past 24 hours over Delhi. The maximum temperatures were in the range of 32-33°C and the minimum temperatures are in the range 18-20°C respectively during past 24 hours over Delhi. The minimum temperatures are normal (-1.5°C to 1.5°C) at most places over Delhi. The maximum temperatures were below normal (-1.6°C to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) at remaining part of Delhi. Partly cloudy sky with surface wind speeds up to 12 kmph from northeast direction prevailed during the past 24 hours. Partly cloudy sky with surface winds speed up to 10 kmph likely to be prevailed from northeast direction over the region in the forenoon today.

Weather Forecast:

02.04.2026: Partly cloudy sky. The maximum temperatures over Delhi are likely to be in the range of 35°C to 37°C. The maximum temperatures will be above normal (1.6 to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northeast direction with surface wind speed reaching up to 12 kmph during the afternoon hours. The wind speed will gradually decrease becoming less than 08 kmph from the northeast direction during evening and night.

03.04.2026: Partly cloudy sky becoming Generally cloudy sky towards afternoon. A spell of very light rain/drizzle accompanied with thunderstorm/lightning and strong surface winds speed 20-30 kmph gusting to 40 kmph 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 20°C to 22°C respectively. The minimum temperature will be above normal (1.6 to 3.0°C) at most places, and the maximum temperature will be near normal (-1.5 to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from west direction with wind speed reaching up to 15 kmph during the morning hours. The wind speed will increase becoming up to 20 kmph from southwest direction during the afternoon. The wind speed will gradually decrease becoming less than 15 kmph from the west direction during evening and night.

04.04.2026: Partly cloudy sky becoming Generally cloudy sky towards afternoon. One or two spells of very light/drizzle accompanied with thunderstorm/lightning and strong surface winds speed 30-40 kmph gusting to 50 kmph during afternoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 30°C to 32°C and 19°C to 21°C respectively. The minimum temperature will be above normal (1.6 to 3.0°C) at most places and the maximum temperature will be appreciably below normal (-3.1°C to -5.0°C) at isolated places with below normal (-1.6 to -3.0°C) at remaining part of Delhi. The predominant surface wind is likely to be from the northeast direction with wind reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 20 kmph from southwest direction during the afternoon. The wind speed will gradually decrease becoming less than 10 kmph from the northeast direction during evening and night.

05.04.2026: Partly cloudy sky becoming Generally cloudy sky towards afternoon. Possibility of very light to light rain accompanied with thunderstorm/lightning and strong surface winds speed 20-30 kmph gusting to 40 kmph during afternoon to evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 30°C to 32°C and 17°C to 19°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C), and the maximum temperature will be appreciably below normal (-3.1°C to -5.0°C) at isolated places with below normal (-1.6 to -3.0°C) at remaining part of Delhi. The predominant surface wind is likely to be from southeast direction with surface wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming more than 15 kmph from the northwest direction in the afternoon. The wind speed will gradually decrease becoming less than 12 kmph from the north 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

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi and East Rajasthan on 03rd & 04th; West Rajasthan on 03rd; Uttarakhand on 04th; Uttar Pradesh on 04th & 05th April; Bihar during 05th -08th; Jharkhand on 05th & 06th; over West Madhya Pradesh on 03rd & 04th; over Madhya Maharashtra and Marathawada on 02nd & 03rd April.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir on 03rd, 04th & 07th and Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi on 03rd & 04th, Uttarakhand on 04th, West Uttar Pradesh on 04th & 05th, Rajasthan on 03rd on 04th April and East Uttar Pradesh on 5th; over Madhya Pradesh during 02nd -04th, Chhattisgarh on 04th April.

Impact expected:

- Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- Minor to Major damage to banana and papaya trees.
- Minor to major damage to power and communication lines due to breaking of branches.
- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

Action suggested:

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

Impact Expected & Action Suggested due to heavy rainfall over

- ❖ **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 03rd & 04th; over Arunachal Pradesh on 02nd and during 06th - 08th April; Assam & Meghalaya on 02nd, 05th & 06th April.

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.

- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

Agromet advisories for likely impact of Hailstorms

- Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in **Madhya Pradesh, Madhya Maharashtra, Marathwada, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Rajasthan, Uttar Pradesh and Chhattisgarh.**
- Undertake harvesting of matured crops and fruits immediately and shift them to safer places.

Agromet advisories for likely impact of Heavy Rainfall

- 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.

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

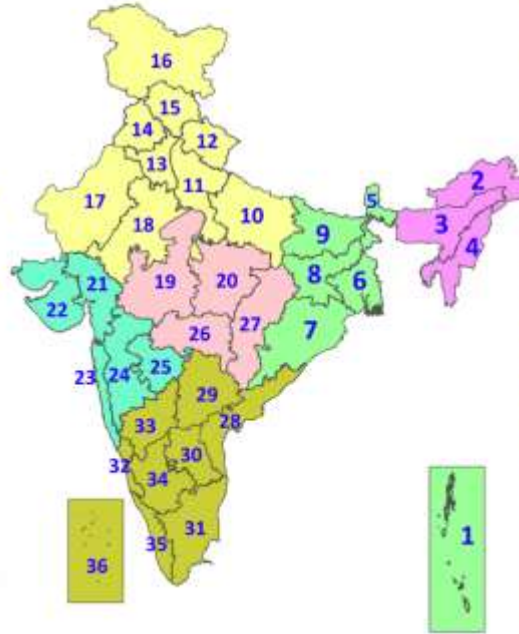
- Keep the animals inside the shed during heavy rainfall / hailstorm and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

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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