



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release

Date: 05<sup>th</sup> April 2026

Time of Issue: 1315 hours IST

**Subject: (i) Two Western disturbance in quick succession likely to affect northwest India during the week with peak activity on 07<sup>th</sup> & 08<sup>th</sup> April. Isolated heavy rainfall likely over Kashmir valley on 07<sup>th</sup> April. (ii) Wet spell activity with thunderstorm & lightning very likely over central, east & peninsular India till 09<sup>th</sup> April with isolated hailstorm over Chhattisgarh on 05<sup>th</sup>; West Madhya Pradesh on 08<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 05<sup>th</sup>, 07<sup>th</sup> & 08<sup>th</sup>; Bihar on 06<sup>th</sup> & 08<sup>th</sup>; Jharkhand during 06<sup>th</sup>-08<sup>th</sup> April, 2026. Isolated heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim on 08<sup>th</sup> & 09<sup>th</sup> April. (iii) Day temperatures are likely to remain below normal to near normal over most part of the country during next 7 days.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 05<sup>th</sup> April, 2026:**

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

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

- ❖ **Maximum/day temperatures** were in the range (34°C- 40°C) over the most part of the country except Western Himalayan region, Northwest and Northeast India. **Yesterday, the highest maximum temperature of 40.3°C was reported at VELLORE (TAMIL NADU).**
- ❖ **Maximum Temperatures/day temperatures were appreciably above normal (3.1°C to 5.0°C)** over Bihar; **above normal (1.6°C to 3.0°C)** over Gangetic West Bengal, Odisha, Assam & Meghalaya, Mizoram, Tamil Nadu, Puducherry & Karaikal; **appreciably below normal (-5.0°C to -3.1°C)** over Jammu-Kashmir, Himachal Pradesh, north Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Madhya Pradesh, Gujarat State, Maharashtra, Telangana; **below normal (-3.0°C to -1.6°C)** over Uttar Pradesh, Interior Karnataka and **near normal** over rest parts of the country.
- ❖ **Minimum/night temperatures** were in the range of **12-18°C** over Himachal Pradesh, Punjab, Haryana, Rajasthan, Madhya Pradesh, Coastal Maharashtra, Sub-Himalayan West Bengal & 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 12.8 °C is observed at Amritsar (Punjab) over the plains of India.**
- ❖ **Minimum/night Temperature were appreciably above normal (3.1°C to 5.0°C)** over Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya and Tripura; **above normal (1.6°C to 3.0°C)** over Jammu-Kashmir, Haryana, Chandigarh, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka; **below normal (-3.0°C to -1.6°C)** over Himachal Pradesh, Delhi, Rajasthan, Madhya Pradesh, Saurashtra & Kutch, Telangana and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** as a cyclonic circulation lies over central Pakistan & adjoining Punjab in lower tropospheric levels with trough aloft in middle & upper tropospheric level roughly along Long. 71°E to the north of Lat. 28°N.
- ❖ An upper-air **cyclonic circulation** lies over West Uttar Pradesh in lower tropospheric levels.
- ❖ A **trough** runs from Gangetic West Bengal to Telangana in lower tropospheric levels.

- ❖ An upper-air **cyclonic circulation** lies over westcentral Bay of Bengal off south Coastal Andhra Pradesh in lower tropospheric levels.
- ❖ An upper-air **cyclonic circulation** lies over Rayalaseema and a **trough** runs from this upper-air cyclonic circulation to Gulf of Mannar in lower tropospheric levels.
- ❖ Subtropical westerly **Jet Stream** with core winds of the order of 110 knots at 12.6 km above mean sea level prevails over Central & East India.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 07<sup>th</sup> April, 2026.

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

##### **Northwest India:**

- ❖ **Isolated to scattered** light to moderate rainfall/snowfall with thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 Kmph) likely over Himachal Pradesh and Uttarakhand on 05<sup>th</sup> & 06<sup>th</sup>; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph gusting to 60 Kmph) likely over Uttar Pradesh on 05<sup>th</sup>; Punjab and Rajasthan on 06<sup>th</sup> April.
- ❖ Another fresh wet spell with **fairly widespread to widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph gusting to 60 Kmph) likely over Jammu-Kashmir & Uttarakhand on 07<sup>th</sup> & 08<sup>th</sup>; Himachal Pradesh during 07<sup>th</sup>-09<sup>th</sup> April; **Scattered to fairly widespread** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh & East Rajasthan on 07<sup>th</sup> & 08<sup>th</sup>; East Uttar Pradesh on 08<sup>th</sup> & 09<sup>th</sup> and West Rajasthan on 07<sup>th</sup> April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Rajasthan on 06<sup>th</sup> & 07<sup>th</sup> and East Rajasthan on 07<sup>th</sup> April.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir, West Uttar Pradesh and Rajasthan on 07<sup>th</sup>; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi on 07<sup>th</sup> & 08<sup>th</sup> April.
- ❖ **Isolated heavy rainfall** likely over Kashmir Valley on 07<sup>th</sup> April.

##### **Northeast India:**

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds** (speed reaching 30-40 kmph) likely over Northeast India during next 5 days.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 05<sup>th</sup>, 06<sup>th</sup>, 08<sup>th</sup> & 09<sup>th</sup>; Assam & Meghalaya on 07<sup>th</sup>, 09<sup>th</sup> & 11<sup>th</sup> April.

##### **East India:**

- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 40-50 kmph gusting to 60 kmph) likely over East India during next 5 days.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal, Jharkhand on 07<sup>th</sup> & 08<sup>th</sup>; Bihar on 05<sup>th</sup>, 06<sup>th</sup> & 08<sup>th</sup>; Odisha on 05<sup>th</sup>, 07<sup>th</sup> & 08<sup>th</sup> April.
- ❖ **Isolated Hailstorm activity** likely over Sub-Himalayan West Bengal & Sikkim on 05<sup>th</sup>, 07<sup>th</sup> & 08<sup>th</sup>; Bihar on 06<sup>th</sup> & 08<sup>th</sup>; Jharkhand during 06<sup>th</sup>-08<sup>th</sup> April.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 08<sup>th</sup> & 09<sup>th</sup> 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.
- ❖ **Isolated Hailstorm activity** likely over Chhattisgarh on 05<sup>th</sup> and West Madhya Pradesh on 08<sup>th</sup> April.

##### **West India:**

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-40 kmph) likely over Marathwada on 05<sup>th</sup> and Gujarat State on 07<sup>th</sup> April.

##### **South Peninsular India:**

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmph) likely over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana and Karnataka during next 5 days.
- ❖ **Isolated heavy rainfall** likely over ghat areas of Tamil Nadu, Coastal Andhra Pradesh & Yanam and Kerala & Mahe on 05<sup>th</sup> & 06<sup>th</sup> April.

### Forecast of maximum/day temperatures:

- ❖ Rise in maximum temperatures by 2-4 °C likely over Northwest India on 05<sup>th</sup> & 06<sup>th</sup> April; gradual fall by 2-4°C on 07<sup>th</sup> & 08<sup>th</sup> April and gradual rise by 2-4°C during 09<sup>th</sup> -11<sup>th</sup> April.
- ❖ Rise in maximum temperatures by 2-4 °C likely over Central India on 05<sup>th</sup> April and no significant change during 06<sup>th</sup>-11<sup>th</sup> April.
- ❖ Fall in maximum temperatures by 3-5 °C likely over East India till 08<sup>th</sup> April and gradual rise by 2-3°C during 09<sup>th</sup> - 11<sup>th</sup> April.
- ❖ No significant change in maximum temperatures likely over Northeast India till 06<sup>th</sup>; gradual fall by 3-5°C during 07<sup>th</sup>-09<sup>th</sup> April and no significant change on 10<sup>th</sup> & 11<sup>th</sup> April.
- ❖ No significant change in maximum temperatures likely over West India till 07<sup>th</sup> and gradual rise by 2-3°C during 08<sup>th</sup> -11<sup>th</sup> April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

### Fishermen Warning:

Fishermen are advised not to venture into the following areas:

**Bay of Bengal:** along and off Gangetic west Bengal adjoining north Odisha coasts during 07<sup>th</sup> to 9<sup>th</sup> April.

**Arabian Sea:** along and off north Gujarat, Pakistan coasts adjoining sea areas of north Arabian Sea, and over Gulf of Oman during 6<sup>th</sup> to 8<sup>th</sup> April.

### Weather conditions and forecast over Delhi/NCR during 05<sup>th</sup>-08<sup>th</sup> April, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermen-warning.php>

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

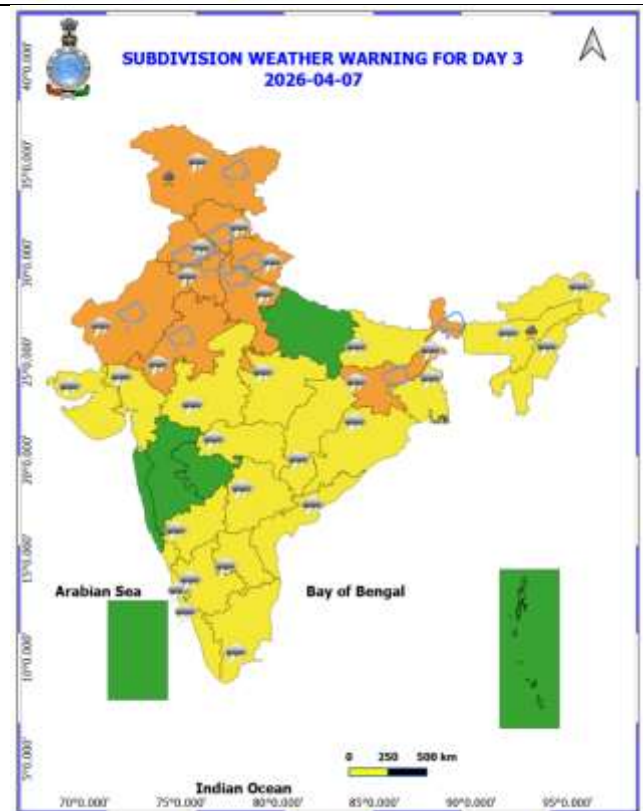
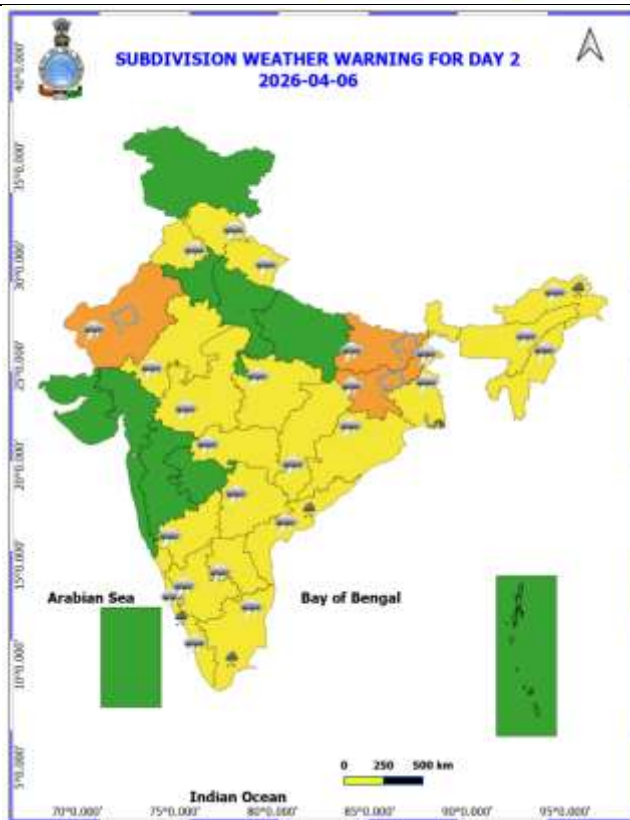
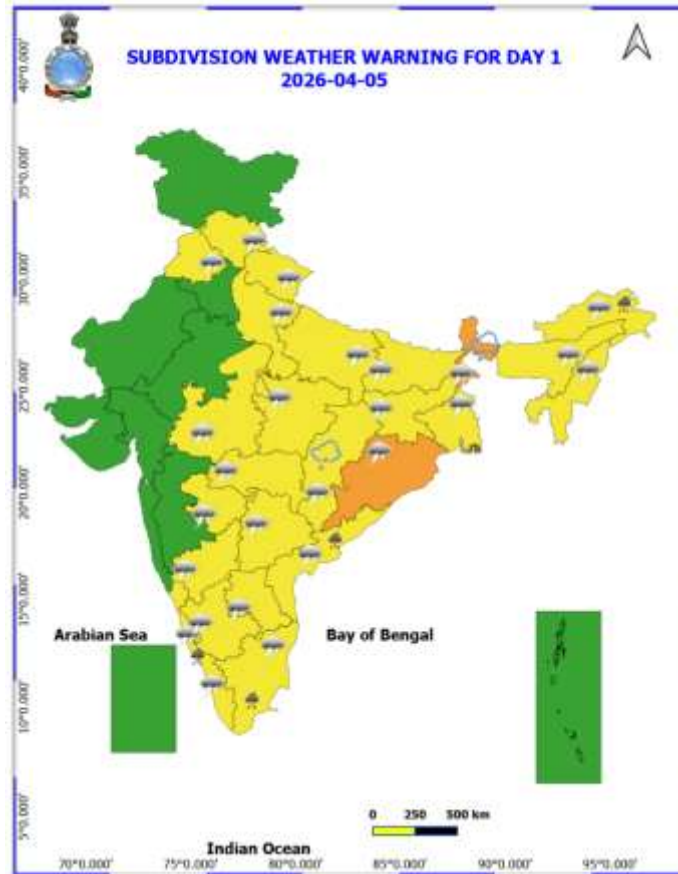
- ❖ **Arunachal Pradesh:** Miao 7;
- ❖ **Tamil Nadu:** Nalumukku (dist Tirunelveli), Oothu (dist Tirunelveli) 7 Each; Tozhudur (dist Cuddalore), Ponnai Dam (dist Vellore), Barwood (dist Nilgiris), Kakkachi (dist Tirunelveli) 5 Each

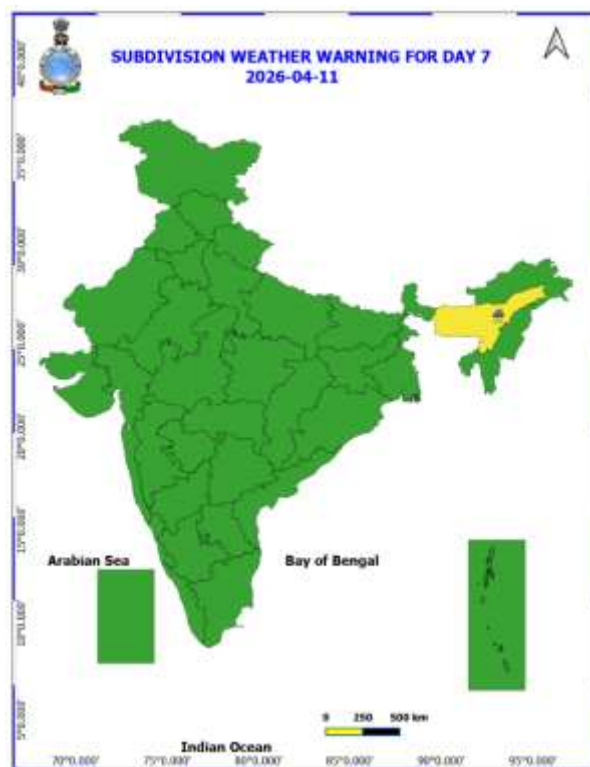
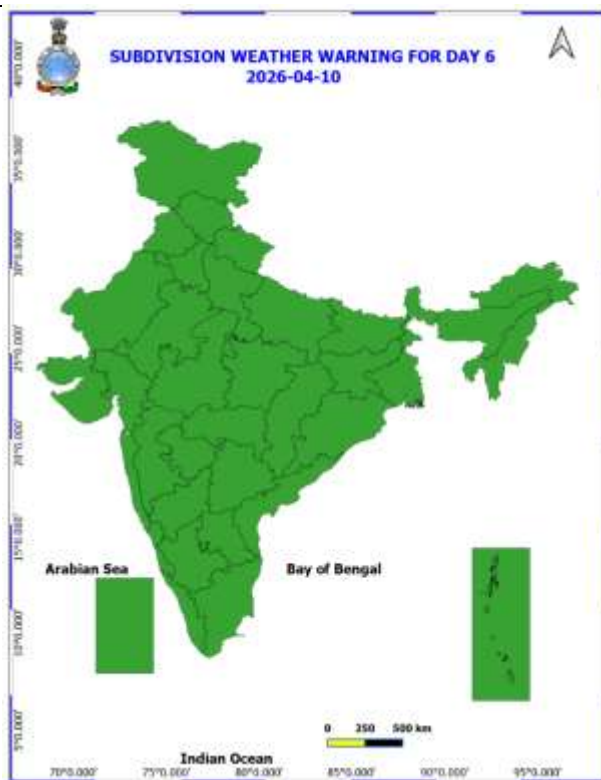
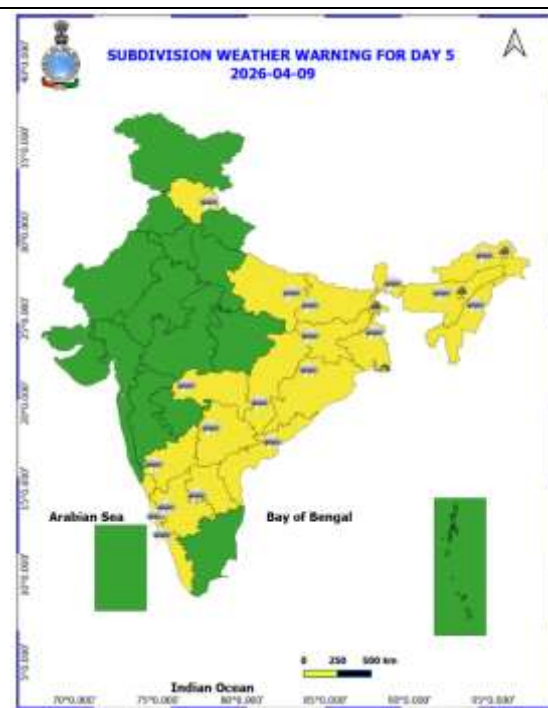
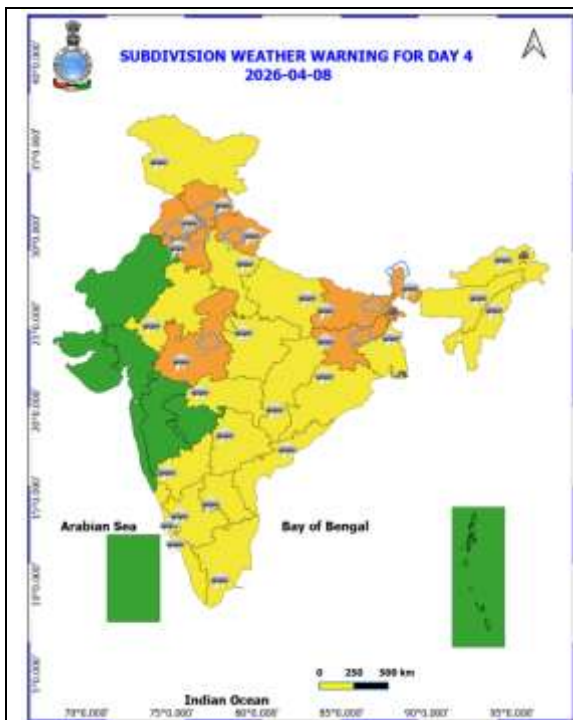
### Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Tamil Nadu:** Natham (Dindigul) 78, Virudhunagar 54, Vedasandur, Dindigul 46 each, Thuvakudi, Tiruchirappalli 44 each, Thiruchendur 41;
- ❖ **Marathawada:** Sagroli (Nanded) 67;
- ❖ **East Uttar Pradesh:** Kanpur & Gorakhpur 65 each, Balrampur 59, Kanpur (City) 57, Fursatganj 56, Hardoi 52, Prayagraj 50, Sultanpur, Azamgarh & Lucknow 46 each, Varanasi 41;
- ❖ **West Madhya Pradesh:** Sheopur 65, Barwani 50, Shivpuri 43, Agar 43, Morena 41, Ashoknagar 41, Guna 37, Indore 33;
- ❖ **Gangetic West Bengal:** Kzi\_Airport 61, Purulia 57, Assansol 56, Barrackpore 52, Dumdum 41, Burdwan\_Budbud 39, Uluberia 37, Kalyani 37, Ramsaday\_College\_Amta 37, Ramkrishna\_Mission\_College 37, Alipore 36, Kolkata Airport 35, Bipur 35;
- ❖ **Punjab:** Fazilka 59;
- ❖ **West Uttar Pradesh:** Mainpuri 59, Bareilly 50, Shahjahanpur 48;
- ❖ **East Madhya Pradesh:** Jabalpur 59, Sagar 54, Katni 41, Sidhi 37, Rewa 33, Satna 31;
- ❖ **Bihar:** IIT\_Patna 50, Ziradei 50, Manjhi 44, Pusa 44, Rajgir 43, Sipaya 39, Patna 39, Sukhet 39, Saraiya 39, Aurangabad 37, Bhojpur 35, Arwal 35, Madhepura 35, Supaul 33, Buxar 31, Bikramganj 31;
- ❖ **Chhattisgarh:** Koriya 50;
- ❖ **Odisha:** Mayurbhanj 48, Benakuda 43, Cuttack 39, Janhukuda (Near\_Satapada) 39;
- ❖ **Himachal Pradesh:** Seobagh 48, Neri 43, Tabo 35;
- ❖ **Uttarakhand:** Maldevta 48, Pantnagar 46, Kapkote 43, Chamoli 39, Ranichauri, Bharsar 35, Hathibarkala 31;
- ❖ **Jharkhand:** Simdega 44, Ranchi 43, Mc\_Ranchi 41, Giridih-Bengabad 39, Barhi 35, Godda 33, Pakur 31;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Imphal 41, Thonoknyu 39, Kohima 39, Kamjong 37, Geljang\_Resort 37, Wokha 35, Chakpikarong 33, Tujungvaichong 33;
- ❖ **Coastal Maharashtra:** Dapoli (Ratnagiri) 37;
- ❖ **Madhya Maharashtra:** Kalwan (Nashik) 37;
- ❖ **Assam & Meghalaya:** Barpeta 35, Haflong 33, Salakati 31, Shillong 46;
- ❖ **Jammu-Kashmir:** Ramban 35;
- ❖ **Gujarat Region:** Tharad (B.K.) 35;
- ❖ **Saurashtra & Kutch:** Junagadh 35;
- ❖ **Arunachal Pradesh:** Kalaktang 33.

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	5- Apr	6- Apr	7- Apr	8- Apr	9- Apr	10- Apr	11- Apr
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	FWS	FWS	FWS	WS	WS	FWS	FWS
3	ASSAM & MEHGHALAYA	SCT	SCT	FWS	FWS	WS	FWS	SCT
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	ISOL	ISOL	SCT	SCT	FWS	SCT	SCT
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	FWS	SCT	FWS	WS	FWS	ISOL	ISOL
6	GANGETIC WEST BENGAL	SCT	SCT	FWS	WS	SCT	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	SCT	SCT	SCT	SCT	ISOL	DRY	DRY
9	BIHAR	ISOL	SCT	ISOL	FWS	ISOL	DRY	DRY
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	SCT	ISOL	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	DRY	SCT	SCT	ISOL	DRY	DRY
12	UTTARAKHAND	SCT	SCT	FWS	FWS	SCT	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	ISOL	ISOL	SCT	SCT	DRY	DRY	DRY
14	PUNJAB	ISOL	ISOL	SCT	SCT	DRY	DRY	DRY
15	HIMACHAL PRADESH	SCT	SCT	WS	WS	SCT	ISOL	ISOL
16	JAMMU AND KASHMIR AND LADAKH	SCT	ISOL	WS	WS	FWS	ISOL	ISOL
17	WEST RAJASTHAN	DRY	ISOL	SCT	ISOL	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	SCT	ISOL	ISOL	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
21	GUJRAT REGION	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHWADA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
27	CHHATTISGARH	ISOL	SCT	SCT	ISOL	ISOL	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	DRY	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 05<sup>th</sup> April to 08<sup>th</sup> April 2026****Past Weather:**

There has been fall in maximum temperatures up to 1°C and no large change in minimum temperatures during past 24 hours over Delhi. The minimum temperatures are in the range of 18-20°C and maximum temperatures were in the range of 30-32°C during past 24 hours over Delhi. The minimum temperatures are below normal (-1.6°C to -3.0°C) at isolated places and normal (-1.5°C to 1.5°C) at remaining parts over Delhi. The maximum temperatures were appreciably below normal (-3.1°C to -5.0°C) at a few places and below normal (-1.6°C to -3.0°C) at remaining places over Delhi. Partly cloudy sky with surface wind speeds up to 15 kmph from southwest direction prevailed during the past 24 hours. During the past 24 hours, very light rain was observed at most places across Delhi. Partly cloudy sky with surface winds speed up to 12 kmph likely to be prevailed from southwest direction over the region in the forenoon today.

**Weather Forecast:**

**05.04.2026:** Partly cloudy sky. Possibility of thundery development towards evening. The maximum temperature over Delhi is likely to be in the range of 32°C to 34°C. The maximum temperature will be below normal (-1.6°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from northwest direction reaching up to 15 kmph during the afternoon. The wind speed will decrease up to 12 kmph from northwest direction during evening and night.

**06.04.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the ranges 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) and the maximum temperature will be below normal (-1.6°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase reaching up to 15 kmph from the west direction in the afternoon. The wind speed will decrease up to 10 kmph from northwest direction during evening and night.

**07.04.2026:** Generally cloudy sky. One or two spells of very light to light rain accompanied with thunderstorm/ lightning and gusty winds speed 30-40 kmph gusting to 50 kmph during forenoon to afternoon. Another spell of very light to light rain accompanied with thunderstorm/ lightning and gusty winds speed 30-40 kmph gusting to 50 kmph during evening to night. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 29°C to 31°C and 19°C to 21°C respectively. The minimum temperatures will be below normal (-1.5°C to 1.5°C) and the maximum temperatures will be below normal (-1.6°C to -3.0°C) over Delhi. The predominant surface wind is likely to be from the southeast direction associated with wind speed reaching up to 15 kmph during the morning hours. The wind speed will increase reaching up to 20 kmph from south direction during afternoon hours. The predominant surface wind will then increase becoming less than 22 kmph from northeast direction during evening and night.

**08.04.2026:** Generally cloudy sky. very light to light rain accompanied with thunderstorm/ lightning and gusty winds speed 30-40 kmph during afternoon to evening. The maximum and minimum temperatures in Delhi are likely to be in the ranges of 28°C to 30°C and 17°C to 19°C respectively. The minimum temperatures will be below normal (-1.5°C to 1.5°C) and the maximum temperatures will be appreciably below normal (-3.1°C to -5.0°C) over Delhi. The predominant surface wind is likely to be from the east direction with wind speed reaching up to 20 kmph during the morning hours. The predominant surface wind speed will decrease reaching up to 15 kmph from southeast direction during afternoon hours. The predominant surface wind will decrease becoming up to 12 kmph 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** likely over Chhattisgarh on 05<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 05<sup>th</sup>, 07<sup>th</sup> & 08<sup>th</sup>; Bihar on 06<sup>th</sup> & 08<sup>th</sup>; Jharkhand during 06<sup>th</sup>-08<sup>th</sup>; Jammu-Kashmir, West Uttar Pradesh and Rajasthan on 07<sup>th</sup>; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh on 07<sup>th</sup> & 08<sup>th</sup> and West Madhya Pradesh on 08<sup>th</sup> April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Bihar on 05<sup>th</sup>, 06<sup>th</sup> & 08<sup>th</sup>; Odisha on 05<sup>th</sup>, 07<sup>th</sup> & 08<sup>th</sup>; West Rajasthan on 06<sup>th</sup> & 07<sup>th</sup>; East Rajasthan on 07<sup>th</sup>; Gangetic West Bengal, Jharkhand on 07<sup>th</sup> & 08<sup>th</sup> April.

### **Impact expected:**

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

### **Action suggested:**

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

## **Impact Expected & Action Suggested due to heavy rainfall over**

- ❖ **Isolated heavy rainfall** likely over Kashmir Valley on 07<sup>th</sup>; Arunachal Pradesh on 05<sup>th</sup>, 06<sup>th</sup>, 08<sup>th</sup> & 09<sup>th</sup>; Assam & Meghalaya on 07<sup>th</sup>, 09<sup>th</sup> & 11<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 08<sup>th</sup> & 09<sup>th</sup>; ghat areas of Tamil Nadu, Coastal Andhra Pradesh & Yanam and Kerala & Mahe on 05<sup>th</sup> & 06<sup>th</sup> April.

### **Impact Expected**

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

### **Action Suggested**

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

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

- Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in **Sub Himalayan West Bengal, Jharkhand, Bihar, West Rajasthan and East Madhya Pradesh.**
- In **Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, East Rajasthan and West Madhya Pradesh,** 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,** keep the harvested mustard, lentil and gram in safe places. Drain out excess rainwater from the standing crops. Provide staking to the pea vines for better crop stand against strong winds.
- In **Arunachal Pradesh,** postpone fresh sowing of summer Jhum rice, maize and vegetables. Harvest cabbage, pea, mustard, late-maturing paddy varieties & potatoes carefully and 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,** make necessary arrangements to remove excess rainwater from the crop fields.
- In **Meghalaya,** ensure proper drainage in summer vegetable crops. Carry out staking and propping of plantation crops and cover the young vegetable seedlings.
- In **Sub Himalayan West Bengal & Sikkim,** 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.
- In **Tamil Nadu,** provide mechanical support for banana crops to prevent lodging. Undertake basin preparation for pepper, clove, nutmeg and cinnamon for better rain water harvest. Avoid pesticide and insecticide application during the period of moderate / heavy rainfall.
- In **Kerala,** provide mechanical support to banana plants and staking to vegetables. Drain out excess rainwater from the standing crops.
- In **Andhra Pradesh,** ensure proper drainage to drain out excess rain water from rice, maize, groundnut, other standing crops, vegetables and orchards. Shift the already harvested produce in safer places or cover the produce with tarpaulin sheets in the fields.

### **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**

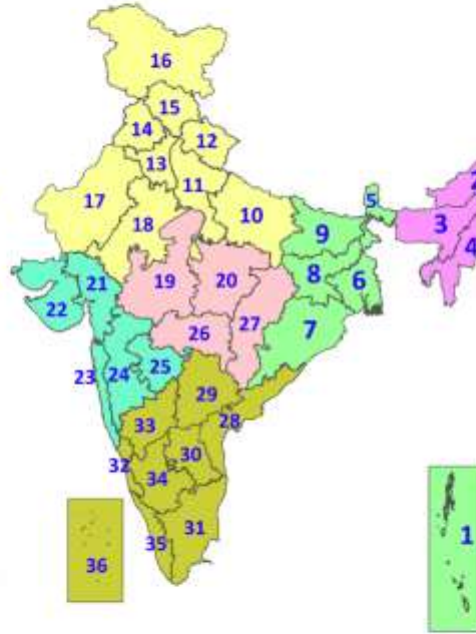
- Keep the animals inside the shed during heavy rainfall / hailstorm and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

### **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

<b>Rain/ Snow *</b>	<p><b>Heavy:</b> 64.5 to 115.5 mm/cm *</p> <p><b>Very Heavy:</b> 115.6 to 204.4 mm/cm*</p> <p><b>Extremely Heavy:</b> &gt; 204.4 mm/cm *</p>
<b>Heat Wave</b>	<p>When maximum temperature of a station reaches <math>\geq 40^{\circ}\text{C}</math> for plains and <math>\geq 30^{\circ}\text{C}</math> for hilly regions</p> <p><b>(a) Based on Departure from normal</b></p> <p><b>Heat Wave:</b> Maximum Temperature Departure from normal <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> Maximum Temperature Departure from normal <math>\geq 6.5^{\circ}\text{C}</math></p> <p><b>(b). Based on Actual maximum temperature</b></p> <p><b>Heat Wave:</b> When actual maximum temperature <math>\geq 45^{\circ}\text{C}</math>.</p> <p><b>Severe Heat Wave:</b> When actual maximum temperature <math>\geq 47^{\circ}\text{C}</math></p> <p><b>( c). Criteria for heat wave for coastal stations</b></p> <p>When maximum temperature departure is <math>&gt;4.5^{\circ}\text{C}</math> from normal. Heat Wave may be described provided maximum temperature <math>\geq 37^{\circ}\text{C}</math>.</p>
<b>Warm Night</b>	<p><b>When maximum temperature remains <math>40^{\circ}\text{C}</math></b></p> <p><b>Warm Night:</b> When minimum temperature departure <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Warm Night:</b> When minimum temperature departure <math>&gt;6.4^{\circ}\text{C}</math>.</p>
<b>Cold Wave</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions.</p> <p><b>(a). Based on departure</b></p> <p><b>Cold Wave:</b> Minimum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Cold Wave:</b> Minimum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p> <p><b>(b) Based on actual Minimum Temperature (for Plains only)</b></p> <p><b>Cold Wave :</b> When Minimum Temperature is <math>\leq 4.0^{\circ}\text{C}</math></p> <p><b>Severe Cold Wave:</b> When Minimum Temperature is <math>\leq 2.0^{\circ}\text{C}</math></p> <p><b>( c) For Coastal Stations</b></p> <p>When Minimum Temperature departure is <math>\leq -4.5^{\circ}\text{C}</math> &amp; actual Minimum Temperature is <math>\leq 15^{\circ}\text{C}</math></p>
<b>Cold Day</b>	<p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions</p> <p><b>Based on departure</b></p> <p><b>Cold Day:</b> Maximum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p><b>Severe Cold Day:</b> Maximum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p>
<b>Fog</b>	<p><b>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></b></p> <p><b>Moderate Fog:</b> When the visibility between 500-200 metres</p> <p><b>Dense Fog:</b> when the visibility between 50- 200 metres</p> <p><b>Very Dense Fog:</b> when the visibility <math>&lt; 50</math> metres</p>
<b>Thunderstorm</b>	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
<b>Dust/Sand Storm</b>	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
<b>Frost</b>	<p><b>Ice deposits on ground</b></p> <p>Air temperature <math>\leq 4^{\circ}\text{C}</math> ( over Plains)</p>
<b>Squall</b>	<p><b>A strong wind that rises suddenly, lasts for atleast 1 minute.</b></p> <p><b>Moderate:</b> Wind speed 52-61 kmph</p> <p><b>Severe:</b> Wind speed 62-87 kmph</p> <p><b>Very Severe:</b> Wind speed <math>&gt;87</math> kmph</p>
<b>Sea State</b>	<p><b>Effect of various waves in the sea over specific area</b></p> <p><b>Rough to very rough:</b> Wind speed 41-62 kmph (22-33 knots) &amp; Wave height 2.5-6 metre</p> <p><b>High to very high:</b> Wind speed 63-117 kmph ( 34-63 knots) &amp; Wave height 6-14 metre</p> <p><b>Phenomenal:</b> Wind speed <math>&gt;117</math> kmph (<math>&gt;63</math> knots) &amp; Wave height <math>&gt;14</math> metre</p>
<b>Cyclone</b>	<p><b>Cyclonic Storm:</b> Wind speed 62-87 kmph (34-47 knots)</p> <p><b>Severe Cyclonic Storm:</b> Wind speed 88-117 kmph (48-63 knots)</p> <p><b>Very Severe Cyclonic Storm:</b> Wind speed 118-165 kmph (64 - 89 knots)</p> <p><b>Extremely Severe Cyclonic Storm:</b> Wind speed 166-220 kmph (90 -119 knots)</p> <p><b>Super Cyclone Storm:</b> Wind speed <math>&gt;220</math> kmph (<math>&gt;119</math> knots)</p>

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