



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 09th April 2026
Time of Issue: 1345 hours IST

Subject: (i) Light to moderate rainfall with thunderstorm & lightning activity likely to continue over east India on 09th April and over Northeast India during next 5 days. Isolated heavy rainfall also likely over Sikkim, South Assam, Tripura on 09th April and over Arunachal Pradesh on 09th & 10th April.
(ii) Gradual rise in maximum temperatures likely over Western Himalayan Region by 6-8°C; 8-10°C over plains Northwest India; 4-6°C over Central India during 09th -15th April. As a result, day temperatures are likely to remain below normal to near normal over most part of northwest, central & east India during next 2-3 days and gradually becoming above normal thereafter.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 09th April, 2026:

- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Odisha, Uttarakhand, West Uttar Pradesh, Assam.
- ❖ **Hailstorm activity** reported at isolated places over Jharkhand, Himachal Pradesh, Haryana, West Uttar Pradesh, East Uttar Pradesh, West Madhya Pradesh.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed **30-70 kmph** prevailed at isolated places over Jammu-Kashmir, Coastal Maharashtra, Vidarbha, Uttarakhand, Punjab, Haryana-Chandigarh, Chhattisgarh, Tamil Nadu, Marathwada, East Madhya Pradesh, Bihar, Uttar Pradesh, Madhya Maharashtra, Jharkhand, Gangetic West Bengal and Odisha, Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.

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 & adjoining plains of Northwest India and Northeast India. **The highest maximum temperature of 41.0°C was reported at KARUR PARAMATHI (TAMIL NADU).**
- ❖ **Maximum Temperatures/day temperatures** were markedly below normal (<- 5.1°C) at most places over northwest India & adjoining central and East India; appreciably below normal (-3.1°C to -5.0°C) over remaining parts of East, Central, West and Northeast India and near Normal over rest parts of the Country except extreme south Kerala and South Tamil Nadu where temperatures and above normal by 2-3°C.
- ❖ **Minimum/night temperatures were in the range of 12-18°C** over Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, north Rajasthan, Madhya Pradesh, 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 **12.0 °C** is observed at **Banda (East Uttar Pradesh)** over the plains of India.
- ❖ **Minimum/night Temperature were above normal (1.6°C to 3.0°C)** over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Telangana, South Interior Karnataka; **appreciably below normal (-5.0°C to -3.1°C)** over Jammu-Kashmir, Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Madhya Pradesh Gangetic West Bengal; **below normal (-3.0°C to -1.6°C)** over Himachal Pradesh, Rajasthan, Vidarbha, Odisha, Assam & Meghalaya and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance (WD)** as a cyclonic circulation lies over Jammu & Neighbourhood in lower tropospheric levels with a trough aloft in middle level tropical westerlies runs roughly along Long. 76°E to the north of Lat. 31°N. Another WD roughly along Long. 60°E to the north of Lat. 34°N.
- ❖ An **upper air cyclonic circulation** lies over northwest Uttar Pradesh & adjoining Uttarakhand and another circulation over East Uttar Pradesh in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Bangladesh & neighbourhood in lower tropospheric levels
- ❖ An **east-west trough** runs from the cyclonic circulation over northwest Uttar Pradesh to Manipur in lower tropospheric levels.

- ❖ An **upper air cyclonic circulation** over central Assam & neighbourhood in lower tropospheric levels
- ❖ An **upper air cyclonic circulation** over Odisha in lower tropospheric levels.
- ❖ A **north-south trough/wind discontinuity** from the above cyclonic circulation over Odisha & neighbourhood to Gulf of Mannar in lower tropospheric levels.
- ❖ A fresh **Western Disturbance** is likely to affect Western Himalayan Region from 15th April, 2026.

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

Northwest India:

- ❖ **Isolated to Scattered** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 Kmph) likely over Jammu-Kashmir during 11th April with lightning over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh & Uttarakhand on 09th April

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds** (speed reaching 30-40 kmph) likely over Assam & Meghalaya during 9th-13th April; Nagaland, Manipur, Mizoram & Tripura on 9th April with lightning over Arunachal Pradesh during 9th-13th April Nagaland, Manipur, Mizoram & Tripura on 10th-11th April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 09th, 10th & 12th; South Assam and Tripura 9th April.
- ❖ **Isolated hailstorm activity** also likely over Assam & Meghalaya on 9th April.

East India:

- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmph gusting to 60 kmph) likely over Sub-Himalayan West Bengal & Sikkim during 9th -12th; Gangetic West Bengal, Bihar on 9th, Odisha on 9th & 10th April.
- ❖ **Isolated heavy rainfall** likely over Sikkim on 9th April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning** likely over Tamil Nadu, Puducherry & Karaikal and Rayalaseema on 09th & 10th; Kerala & Mahe during 09th -11th and South Interior Karnataka during 09th -13th April.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures likely over Western Himalayan Region by 6-8 °C during 09th -15th April.
- ❖ Gradual rise in maximum temperatures likely over plains Northwest India by 8-10 °C during 09th -15th April.
- ❖ Gradual rise in maximum temperatures likely over Central India by 4-6°C likely during 09th -15th April.
- ❖ No significant change in maximum temperatures likely over East India till 09th; thereafter gradual rise by 5-7°C likely during 10th -13th April and no significant change on 14th & 15th April.
- ❖ Gradual rise in maximum temperatures likely over Gujarat State by 2-4 °C till 12th April and no significant 13th -15th April.
- ❖ No significant change in maximum temperatures likely over Maharashtra till 09th and gradual rise by 2-3 °C during 10th -13th April and no significant change on 14th & 15th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.
- ❖ **Overall, Day temperatures are likely to remain below normal to near normal over most part of northwest, central & east India during next 2-3 days and gradually become above normal thereafter.**

Heat wave and Hot & Humid weather warning:

- ❖ **Heat wave conditions very likely** in isolated pockets of Chhattisgarh on 14th & 15th April.
- ❖ **Hot & humid conditions** very likely to prevail in isolated pockets over Odisha during 11th -15th; Gangetic West Bengal during 13th -15th; coastal Maharashtra on 10th & 11th; coastal areas of Gujarat State 11th -15th; Tamil Nadu, Puducherry & Karaikal on 09th & 10th; Kerala & Mahe on 09th; Coastal Andhra Pradesh & Yanam and Coastal Karnataka during 10th -12th April.

Fishermen Warning:

Fishermen are advised not to venture into the following areas during 09 th April to 14 th April, 2026:

Bay of Bengal: Over South Andaman Sea on 09 th April 2026.

Arabian Sea: No warning.

Weather conditions and forecast over Delhi/NCR during 09th-12th 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):

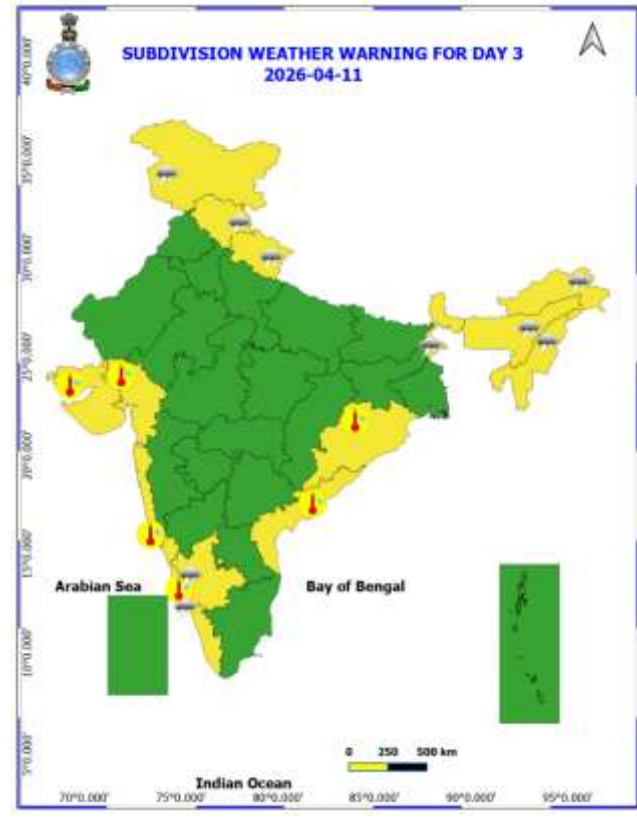
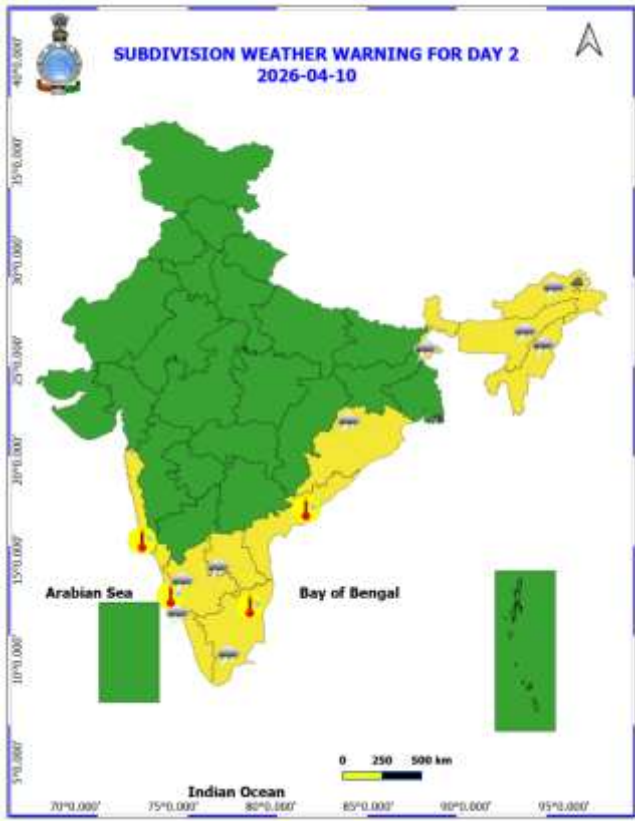
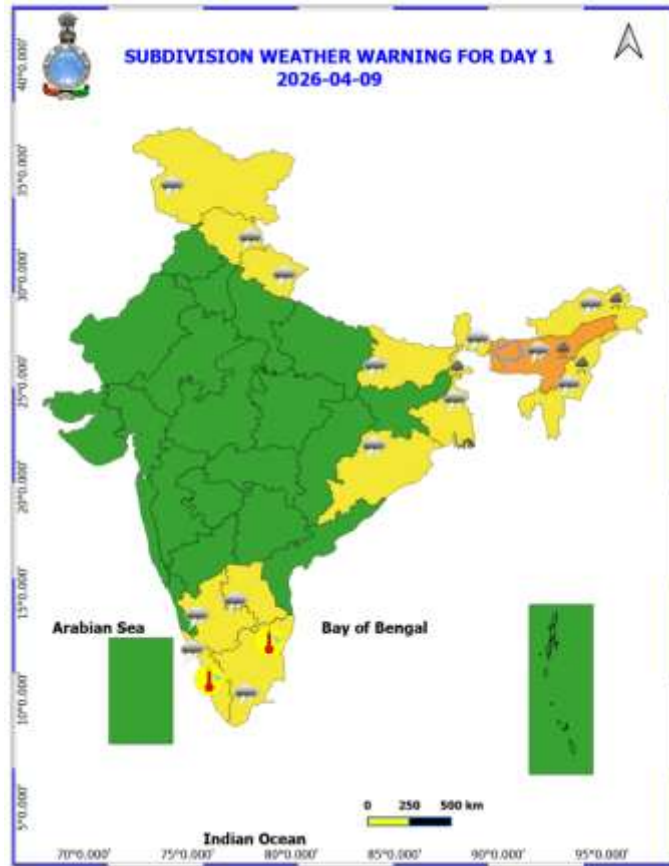
- ❖ **Odisha:** Khaira (dist Balasore) 9; Banki (dist Cuttack), Garadapur (dist Kendrapara) 6 Each; Ranpur (dist Nayagarh), Ghasipura (dist Keonjhar) 5 Each; Soro (dist Balasore), Krishnaprasad (dist Puri), Anandpur (dist Keonjhar), Tangi (dist Khurda), Nimpara (dist Puri) 4 Each;
- ❖ **West Uttar Pradesh:** Baheri (dist Bareilly) 9;
- ❖ **Uttarakhand:** Champawat (dist Champawat) 9; Lohaghat (dist Champawat) 7; Banbasa (dist Champawat), Nainital (dist Nainital) 6 Each; Mukteshwar (dist Nainital), Khatima (dist Udham Singh Nagar), Pithoragarh (dist Pithoragarh) 5 Each; Haldwani (dist Nainital), Ranikhet (g) (dist Almora), Someshwar (dist Almora), Sama (dist Bageshwar), Loharkhet (dist Bageshwar), Dwarhat (dist Almora) 4 Each;
- ❖ **Himachal Pradesh:** R L Bmb (dist Bilaspur) 5;
- ❖ **Punjab:** Sri Anandpur Sahib AWS (dist Rupnagar) 5;
- ❖ **Gangetic West Bengal:** Kalyani Smo (dist Nadia), Kharidwar (dist Purulia) 5 Each; Bagati (dist Hooghly), Burdwan PTO (dist Purba Bardhaman), Mo Saltlake (dist North 24 Parganas) 4 Each;
- ❖ **Sub Himalayan West Bengal & Sikkim:** Diana Tea Estate (dist Jalpaiguri), Palashbari Tea Estate (dist Jalpaiguri) 5 Each; Champasari (dist Darjeeling), Gandrapara Tea Garden (dist Jalpaiguri), Karballa Tea Estate (dist Jalpaiguri) 4 Each;
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Periyakulam (dist Theni) 4;
- ❖ **Haryana-Chandigarh-Delhi:** Indri (dist Karnal) 4;
- ❖ **Bihar:** Jamui (dist Jamui), Ghurriya (dist Banka), Laxmipur (dist Jamui) 4 Each.

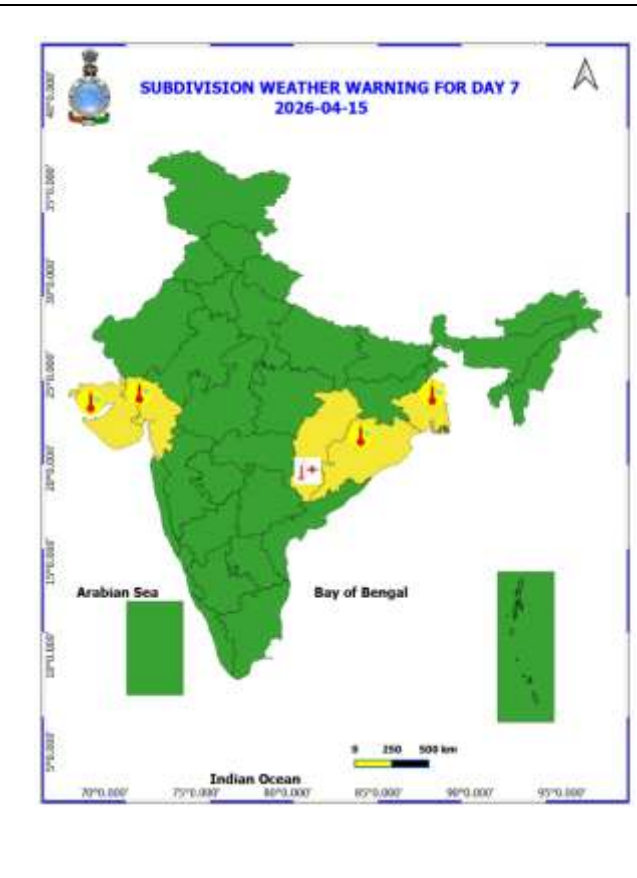
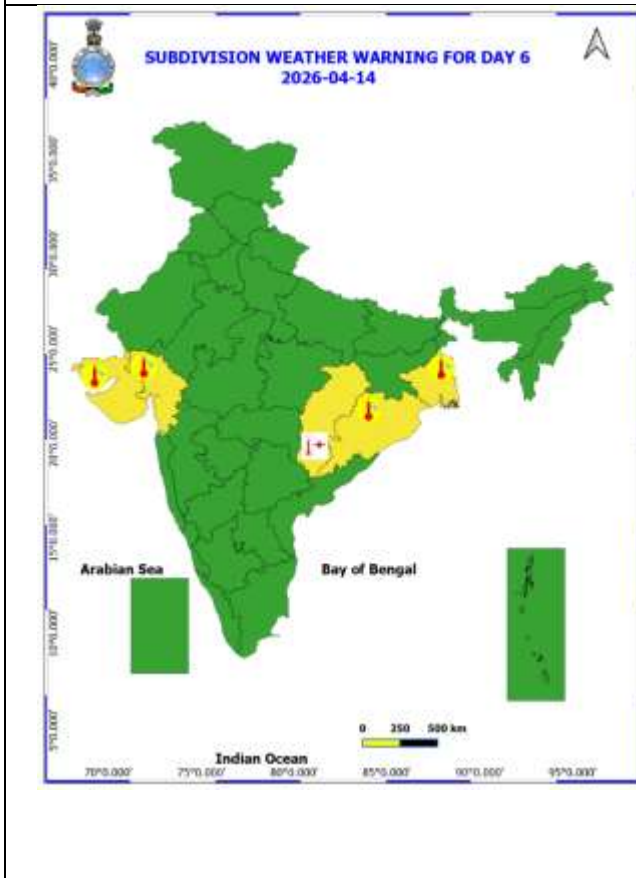
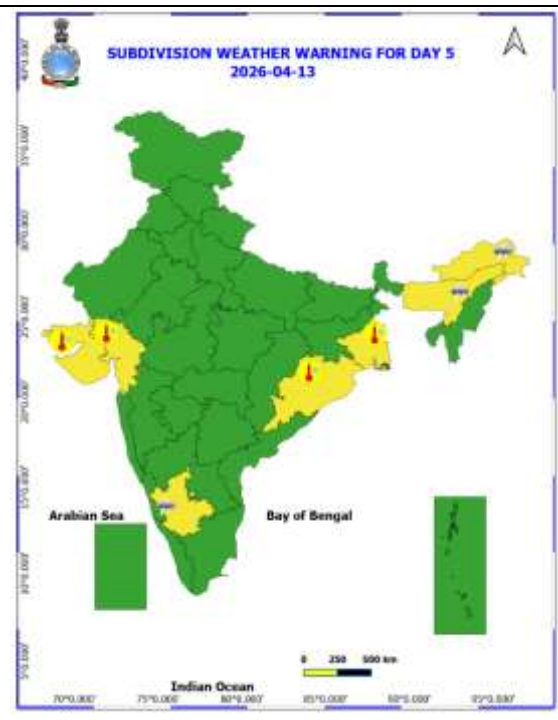
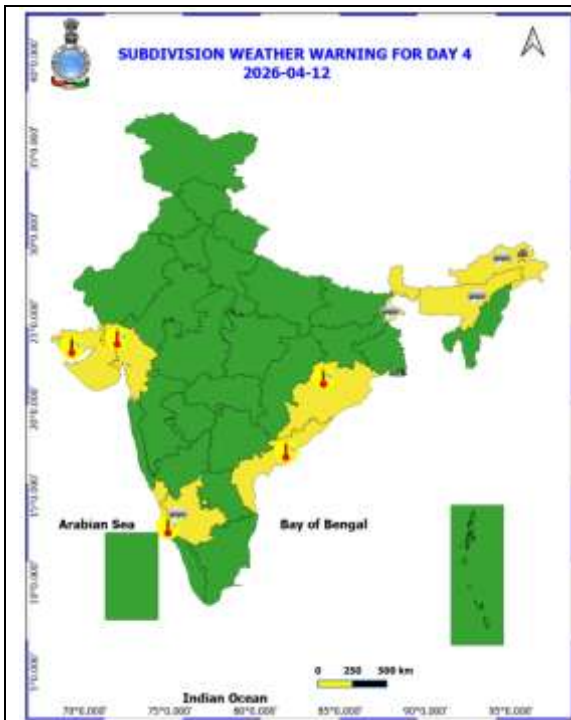
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Odisha:** Cuttack 70.
- ❖ **Gangetic West Bengal:** Durgapur 68; Asansol 59; Barrackpore, Dum Dum 57; Kalyani, Purulia 52; Alipore 48; Amta 46; Sonarpur 44; Bijpur 41.
- ❖ **West Uttar Pradesh:** Bulandshahar 61, Mathura 54, Jalaun 52, Agra 50, G B Nagar 48, Agra 46, Jhansi 44, Kasganj 39, Hindon 31.
- ❖ **Jharkhand:** Dumka 59;
- ❖ **West Madhya Pradesh:** Sehore 57, Bhopal 46, Narmadapuram, Agar, Indore 44, Guna 39, Dhar, Vidisha, Gwalior 37, Betul 35, Ujjain, Ashoknagar, Badwani 33.
- ❖ **Madhya Maharashtra:** Kalwan (Nashik) 54, Vilholi (Nashik) 54.
- ❖ **East Uttar Pradesh:** Fursatganj 52, Bahrharich 44, Balrampur 41, Gorakhpur 41, Kushinagar 37.
- ❖ **Bihar:** Arrabari 46.
- ❖ **East Madhya Pradesh:** Sagar 44, Katni 33, Satna 30.
- ❖ **Marathwada:** Ambejogai (Beed) 44, Parbhani (Parbhani) 44.
- ❖ **Tamil Nadu:** Natham (Dindigul) 44.
- ❖ **Chhattisgarh:** Koriya 43.
- ❖ **Haryana:** Panipat 43; Karnal 39; Chandigarh & Panchkula 35.
- ❖ **Punjab:** Mohali 41; Hoshiarpur 37; Patiala 33.
- ❖ **Uttarakhand:** Champawat, Ranichauri 39, Maldevta 33, Chaubatia 30.
- ❖ **Vidarbha:** Yavatmal 37, Wardha 34, Nagpur 34.
- ❖ **Coastal Maharashtra:** Karjat (Raigad) 37.
- ❖ **Jammu-Kashmir:** Gulmarg & Jammu 31 each.
- ❖ **Assam & Meghalaya:** Diphu 52
- ❖ **Arunachal Pradesh:** Kalaktang 41, Bomdila 41, Lowertato 39, Dirang 37, Seppa_Pampoli 35
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Moreh 35, Kamapalur 43, Teliamura_Barrage 35

Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	9- Apr	10- Apr	11- Apr	12- Apr	13- Apr	14- Apr	15- Apr
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
2	ARUNACHAL PRADESH	WS	WS	FWS	FWS	WS	WS	WS
3	ASSAM & MEHGHALAYA	WS	SCT	SCT	SCT	WS	WS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	WS	SCT	ISOL	ISOL	SCT	SCT	SCT
6	GANGETIC WEST BENGAL	FWS	ISOL	DRY	DRY	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	SCT	ISOL	ISOL	ISOL	ISOL	DRY	DRY
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	SCT	ISOL	ISOL	ISOL	DRY	DRY	DRY
16	JAMMU AND KASHMIR AND LADAKH	SCT	ISOL	SCT	ISOL	ISOL	DRY	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJRAT REGION	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA & KUTCH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	DRY	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 09th April to 12th April 2026**Past Weather:**

There has been a fall in minimum temperatures by 1-2°C and no large change in maximum temperatures during the past 24 hours over Delhi. The maximum temperatures were in the range of 27-29°C, and the minimum temperatures were in the range 15-17°C, respectively, during the past 24 hours over Delhi. The minimum temperatures are markedly below normal (-5.1°C or less) to appreciably below normal (-3.1°C to -5.0°C) at many places and below normal (-1.6°C to -3.0°C) at the remaining parts of Delhi. The maximum temperatures are markedly below normal (-5.1°C or less) at most places over Delhi. Generally cloudy sky with surface wind speed up to 20 kmph, and very light Rain/Thunderstorm/Lightening accompanied by gusty winds occurred at a few places over Delhi. The highest wind speed of 37 Kmph (19:00 IST) was recorded over Palam, prevailing over Delhi during the past 24 hours. Mainly clear sky with surface wind speed up to 12 kmph likely to prevail from the southeast direction over the region in the forenoon today.

Weather Forecast:

09.04.2026: Mainly clear sky. The maximum temperatures over Delhi are likely to be in the range of 30°C to 32°C. The maximum temperatures will be markedly below normal (-5.1°C and below) at isolated places and appreciably below normal (-3.1°C to -5.0°C) at many places over Delhi. The predominant surface wind is likely to be from the northwest direction with surface wind speed reaching up to 16 kmph during the afternoon hours. The wind speed will gradually decrease becoming less than 14 kmph from the northwest direction during evening and night.

10.04.2026 Mainly clear sky. clear sky. Strong surface wind speed 20-30 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 32°C to 34°C and 16°C to 18°C, respectively. The minimum temperature will be below normal (-1.5°C to -3.0°C) at many places and appreciably below normal (-3.1°C to -5.0°C) at isolated places, and the maximum temperature will be below normal (-1.5°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from a northwest direction with surface wind speed reaching up to 22 kmph during the morning hours. The wind speed will increase up to 26 kmph from the northwest direction during the afternoon. The wind speed gradually decreases, becoming less than 14 kmph from the northwest direction during the evening and night.

11.04.2026: Mainly clear sky. Strong surface wind speed 20-30 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 34°C to 36°C and 18°C to 20°C, respectively. The minimum temperature will be below normal (-1.5°C to -3.0°C) at most places, and the maximum temperature will be near normal (-1.5°C to 1.5°C) over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will increase up to 22 kmph from the northwest direction during the afternoon. The surface wind speed will gradually decrease becoming less than 14 kmph from the north direction during evening and night.

12.04.2026: Mainly clear sky. Strong surface wind speed 20-30 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°C and 19°C to 21°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C), and the maximum temperature will be above normal (1.5 to 3.0°C) over Delhi. The predominant surface wind is likely to be from a northwest direction with surface wind speed reaching up to 16 kmph during the morning hours. The wind speed will increase, becoming more than 18 kmph from the northwest direction in the afternoon. The surface wind speed will gradually decrease becoming less than 14 kmph from the north direction during evening and night.

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

❖ **Isolated hailstorm activity** also likely over Assam & Meghalaya on 9th 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 Arunachal Pradesh on 09th, 10th & 12th; South Assam and Tripura, Sikkim on 9th 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 **Assam & Meghalaya**.
- Undertake harvesting of matured crops, fruits and vegetables immediately and shift them to safer places.

Agromet advisories for likely impact of Heavy Rainfall

- In **Arunachal Pradesh**, ensure proper drainage channels in the fields of rice, maize, other standing crops, vegetables and orchards. Harvest cabbage, pea, mustard, late-maturing paddy varieties & potatoes carefully and shift the harvested produce to safe places.
- 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 **West Bengal & Sikkim**, harvest matured crops and vegetables immediately and store them in a dry, safe place to prevent damage. Drain out excess rainwater from the standing crop and vegetable 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

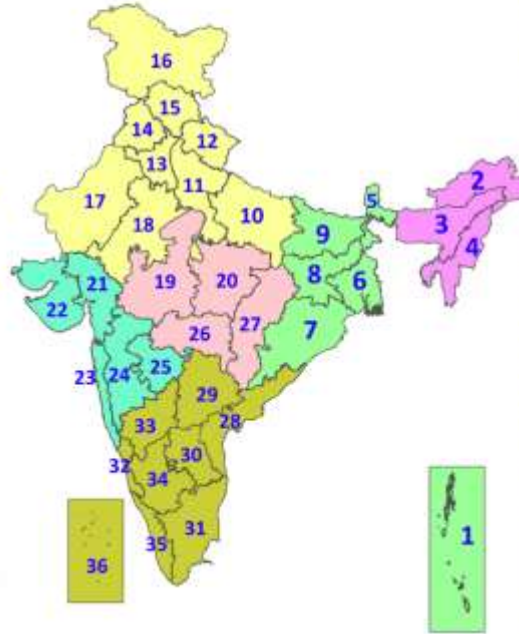
- Keep the animals inside the shed during heavy rainfall / hailstorm and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

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

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

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