



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 12th April 2026
Time of Issue: 1400 hours IST

**Subject:(i) Isolated Heavy rainfall with lightning and thunderstorm very likely over Sikkim today; over Arunachal Pradesh on 14th, 15th & 18th and over Assam & Meghalaya on 17th & 18th April.
(ii) Gradual rise in maximum temperatures likely over Northwest, Central & East India by 3-6°C during next 4-5 days. As a result, maximum temperatures are likely to be above normal over these region after 2 days.**

Realised weather during past 24 hours ending at 0830 hours IST of today, the 12th April, 2026:

- ❖ **Very Heavy Rainfall** reported at isolated places over Sikkim.
- ❖ **Hailstorm** activity reported at isolated places over Haryana.
- ❖ **Temporary thunderstorm accompanied with Squally/Gusty winds** with speed **30-50 kmph** prevailed at isolated places over Jammu & Kashmir, Himachal Pradesh, Punjab, Uttar Pradesh, Bihar, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Arunachal Pradesh, Assam & Meghalaya.
- ❖ **Strong Surface winds reaching 30-40 kmph** prevailed at some places over Punjab, Haryana & Uttar Pradesh.

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

- ❖ **Maximum/day temperatures** were in the range (34°C- 42°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 42.0°C was reported at Akola (Maharashtra).**
- ❖ **Maximum Temperatures/day temperatures** were markedly above normal (> 5.1°C) at isolated places over Coastal Andhra Pradesh & Yanam. appreciably above normal (3.1°C to 5.0°C) at isolated places over Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal. above normal (1.6°C to 3.0°C) at few places over Madhya Maharashtra, Rayalaseema and Lakshadweep; at isolated places over Gangetic West Bengal, Odisha, West Madhya Pradesh, East Madhya Pradesh, Gujarat Region, Konkan & Goa, Vidarbha, Telangana, North Interior Karnataka and Kerala & Mahe and near normal (-1.5°C to 1.5°C) over remaining parts of country.
- ❖ **Minimum/night temperatures were in the range of 13-19°C** over Punjab, Haryana Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, Jharkhand. They were in the range of **20-26°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 13.0 °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) at isolated places over Andaman & Nicobar Islands, West Uttar Pradesh, East Rajasthan, Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka. above normal (1.6°C to 3.0°C) at many places over South Interior Karnataka; at few places Madhya Maharashtra and Kerala & Mahe; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, East Uttar Pradesh, Haryana-Chandigarh-Delhi, Jammu & Kashmir, West Rajasthan, Konkan & Goa & near normal (-1.5°C to 1.5°C) over rest parts of the country.

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

- ❖ The **Western Disturbance** as a **cyclonic circulation** over Jammu & Kashmir and adjoining Ladakh has become less marked. However, the trough aloft in middle level subtropical westerlies now runs roughly along Long. 76°E to the north of Lat. 32°N.
- ❖ A **trough** runs from northwest Bihar to Manipur at lower tropospheric level.
- ❖ A north-south **trough/wind discontinuity** runs from north Madhya Pradesh to south Tamil Nadu across Vidarbha, Madhya Maharashtra, Marathwada, Interior Karnataka at lower tropospheric level.
- ❖ A **trough** runs from northeast Bihar to Coastal Gangetic West Bengal at lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over north Odisha & neighbourhood at lower tropospheric level.
- ❖ A **trough** in easterlies runs roughly along Kerala & Karnataka Coasts at lower tropospheric level.
- ❖ A fresh feeble **Western Disturbance** is likely to affect Western Himalayan Region from 15th April, 2026.

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

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds** (speed reaching 30-50) likely over Assam & Meghalaya during 12th-15th; Nagaland, Manipur, Mizoram & Tripura during 12th-14th April; with **lightning** over Arunachal Pradesh during 13th -16th; Assam & Meghalaya on 16th & Nagaland, Manipur, Mizoram & Tripura on 15th & 16th April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 14th, 15th & 18th; Assam & Meghalaya on 17th & 18th April.

Northwest India:

- ❖ **Isolated** light rainfall with **thunderstorm, lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 12th & during 14th -18th; Himachal Pradesh on 17th & 18th.
- ❖ **Strong surface winds** (speed reaching 20-30 gusting to 40kmph) likely over Punjab, Haryana Chandigarh, West Uttar Pradesh during 12th 14th April.

East India:

- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 30-40 kmph) likely over Sub-Himalayan West Bengal & Sikkim on 12th April.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 12th April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 30-kmph) likely over Interior Karnataka on 15th & 16th; with **lightning** over Kerala & Mahe on 12th & 13th; Coastal & South Interior Karnataka during 12th -16th April.

No significant weather over remaining parts of the country

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures likely over Northwest India by 4-6 °C during 12th -18th April.
- ❖ Gradual rise in maximum temperatures likely over Madhya Pradesh by 3-5°C, over Vidarbha, Chhattisgarh by 2-3°C till 15th April and no significant change during 16th -18th April.
- ❖ Gradual rise in maximum temperatures likely over East India by 3-5°C likely till 16th April and no significant change on 17th & 18th April
- ❖ Gradual rise in maximum temperatures likely over Gujarat State by 2-3 °C till 13th April and no significant change during 14th -18th April.
- ❖ Gradual rise in maximum temperatures likely over Maharashtra by 2-3 °C till 15th April and no significant change during 16th -18th April.
- ❖ No significant change in maximum temperatures likely over northeast India till 13th & gradual rise by 2-3°C during 14th -18th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat wave and Hot & Humid weather warning:

- ❖ **Heat wave conditions very likely** in isolated pockets of Saurashtra & Kutch on 12th & 13th; Odisha during 14th -16th; Madhya Pradesh, Vidarbha, Chhattisgarh during 16th -18th; Marathwada on 16th April.
- ❖ **Hot & humid conditions** very likely to prevail in isolated pockets over Odisha, Gujarat State, Coastal Andhra Pradesh & Yanam, Rayalaseema during next 7 days; Gangetic West Bengal during 14th-18th; Madhya Maharashtra during 13th -15th; Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Coastal Karnataka during 12th -14th April.

Weather conditions and forecast over Delhi/NCR during 12th-15th April, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

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

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

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

- ❖ **Sikkim:** Mangan PTO 12,
- ❖ **Jammu & Kashmir:** Udampur(iaf) (dist Udampur) 3, Jammu Aero (dist Jammu) 2,
- ❖ **Kerala:** Thenmala (dist Kollam) 3, Aryankavu (dist Kollam) 3, Palode (dist Thiruvananthapuram) 3, Thiruvananthapuram (dist Thiruvananthapuram) 3,
- ❖ **Tamil Nadu:** Adayamadai (dist Kanyakumari) 2,

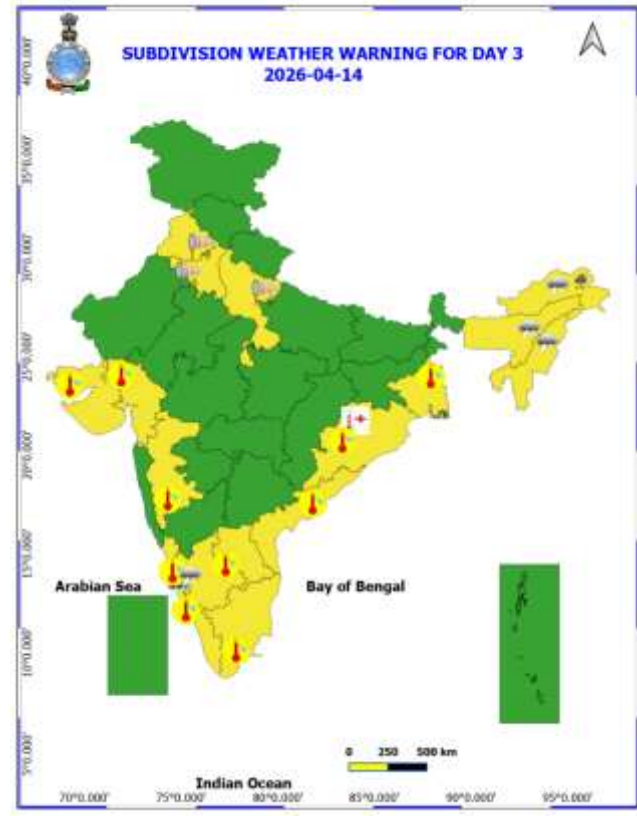
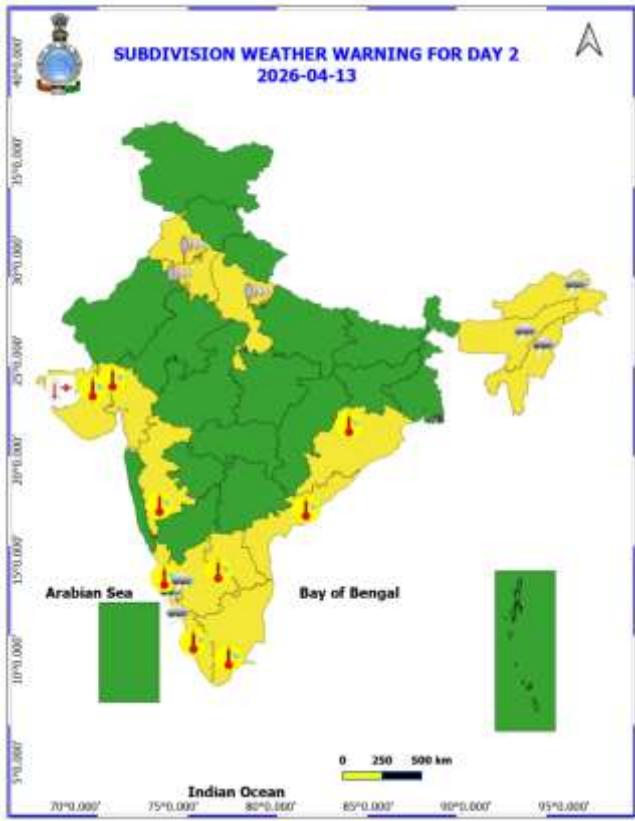
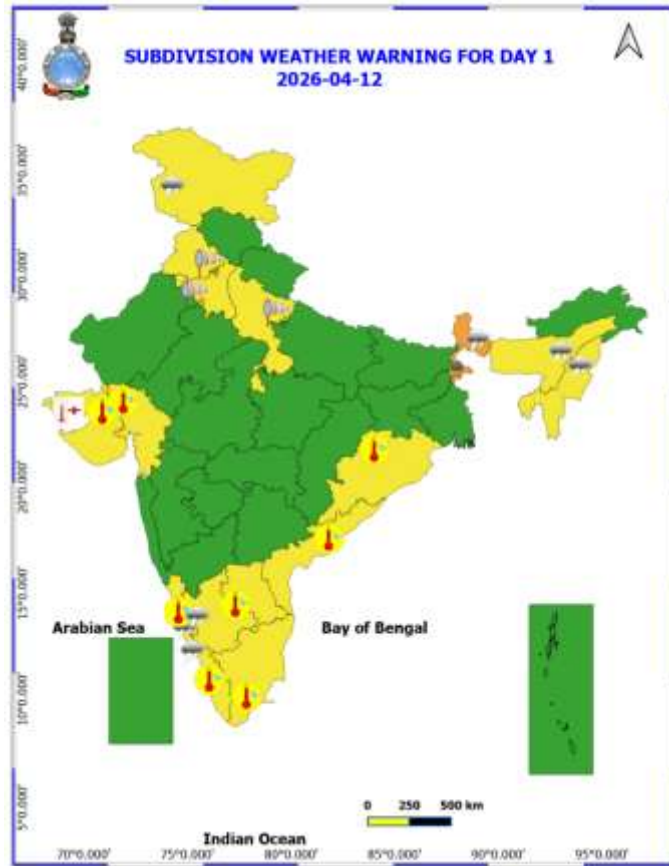
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

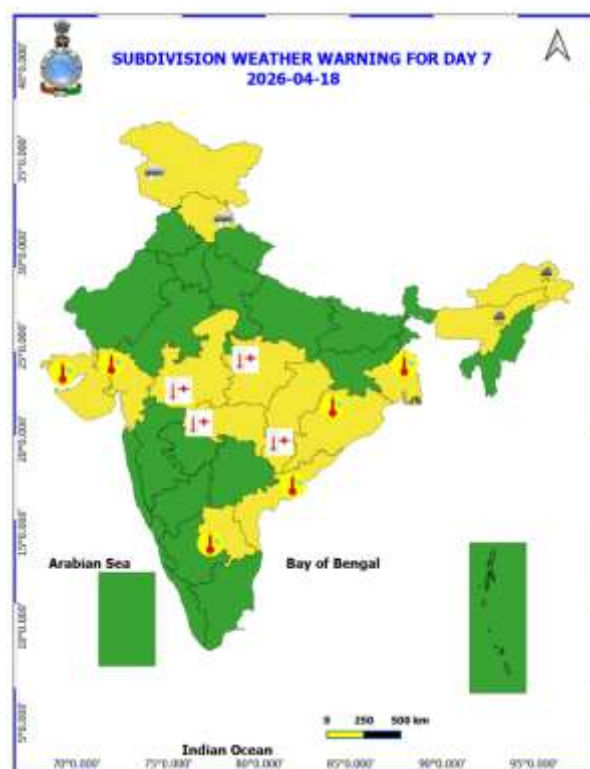
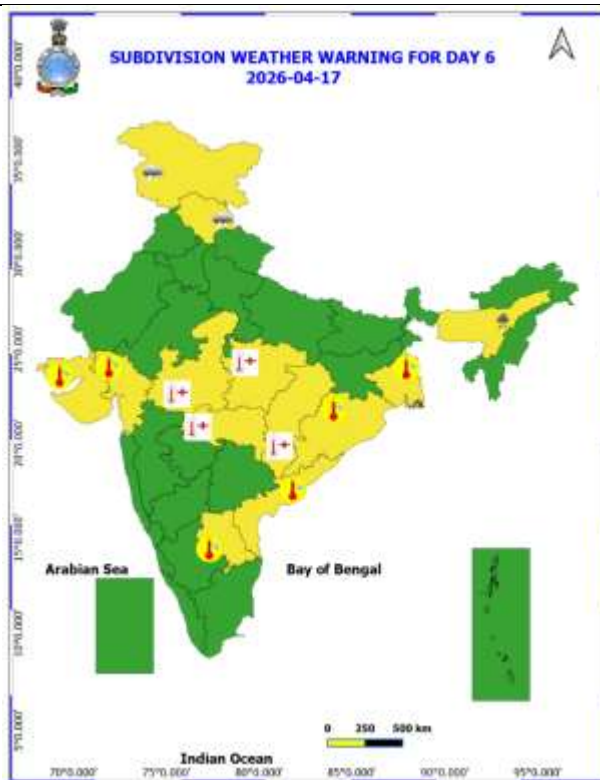
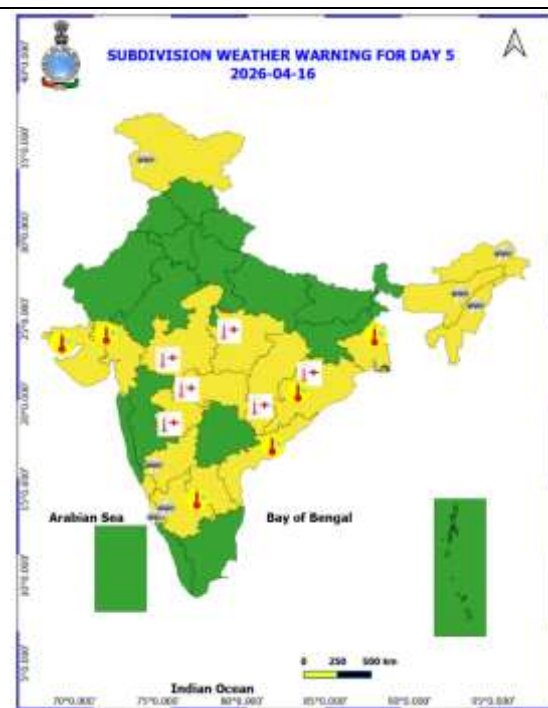
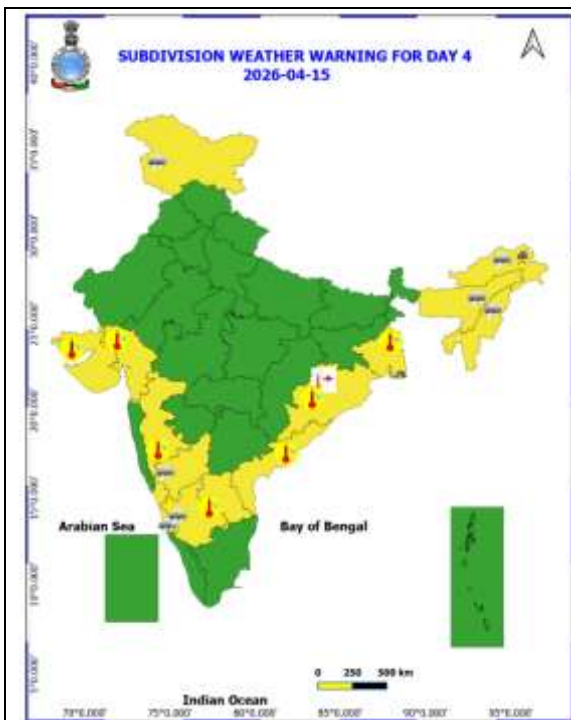
- ❖ **Arunachal Pradesh:** Longding 48, Lowertato 43, Anini 35
- ❖ **Assam & Meghalaya:** Manas 46, Mawkyrwat 39, Mawsynram 39, Nongstoin KVK 35, Jowai 33
- ❖ **Bihar:** IIT Patna, Arwal 43
- ❖ **Jammu & Kashmir:** Chatha AMFU 50, Kathua KVK 37, AWS Jammu 37, AWS Samba 33, AWS Poonch 31
- ❖ **Himachal Pradesh:** Seobagh 37
- ❖ **Punjab:** Pathankot 46
- ❖ **West Uttar Pradesh:** Bareilly IAF 52, Sambhal AWS 50, Saharanpur IAF 46, Bareilly AWS 46, GB Nagar AWS 43, Shahjahanpur AWS 41, Saharanpur AWS 39, Hindon IAF 33
- ❖ **East Uttar Pradesh:** Agra IAF 46, Integral University Lucknow AWS 43, Ayodhya AWS 41, Lucknow AP 41, Varanasi AP 41, Amethi AWS 39, Gorakhpur IAF 39
- ❖ **West Madhya Pradesh:** Narmadapuram 31, Sehore 31, Betul 30, Guna Ashoknagar 30
- ❖ **East Madhya Pradesh:** Katni 39, Satna 31, Sagar 31, Sidhi 31
- ❖ **Konkan & Goa:** Konkan Alibag 31
- ❖ **Madhya Maharashtra:** Kurvande Pune 31
- ❖ **Marathwada:** Hingoli 30
- ❖ **Gujarat Region:** Dholera Ahm 30
- ❖ **Saurashtra & Kutch:** Kandla Kutch 31
- ❖ **Tamil Nadu:** Nathom ISRO (Dindigul) 50.

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S.No.	Subdivision	12- Apr	13- Apr	14- Apr	15- Apr	16- Apr	17- Apr	18- Apr
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
2	ARUNACHAL PRADESH	SCT	SCT	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	SCT	FWS	FWS	FWS	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	SCT	ISOL	ISOL	SCT	SCT	SCT	SCT
6	GANGETIC WEST BENGAL	DRY	DRY	ISOL	ISOL	ISOL	ISOL	DRY
7	ODISHA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
13	HARYANA, CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY
15	HIMACHAL PRADESH	ISOL	DRY	DRY	DRY	ISOL	ISOL	SCT
16	JAMMU AND KASHMIR AND LADAKH	SCT	DRY	DRY	ISOL	SCT	FWS	FWS
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	DRY	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	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	SCT	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 district-wise Multi-Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

Weather forecast over Delhi/NCR during 12th April to 15th April 2026**Past Weather:**

There has been rise in maximum temperatures up to 2-3°C and rise in minimum temperatures by 1-2 °C during past 24 hours over Delhi. The maximum temperatures were in the range of 34-35°C and the minimum temperatures are in the range 18-20°C respectively during past 24 hours over Delhi. The minimum temperatures are below normal (-1.6°C to -3.0°C) at most places and normal (-1.5°C to 1.5°C) at remaining places over Delhi. The maximum temperatures were below normal (-1.6°C to -3.0°C) at a few places and normal (-1.5°C to 1.5°C) at remaining places over Delhi. Mainly clear sky with surface wind speeds up to 20 kmph gusting to 36 kmph prevailed from northwest direction over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 16 kmph likely to prevailed from west direction over the region in the forenoon today.

Weather Forecast:

12.04.2026: Mainly clear sky. Sustained surface wind speed reaching 15-25 occasionally gusting to 35 kmph during the daytime. The maximum temperatures over Delhi are likely to be in the range of 35°C to 37°C. The maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with surface wind speed reaching up to 20 kmph during the afternoon hours. The wind speed will gradually decrease becoming less than 15 kmph from the northwest direction during evening and night.

13.04.2026 Mainly clear sky. Sustained surface wind speed reaching 15-25 occasionally gusting to 35 kmph during the daytime. The maximum and minimum temperatures over Delhi are likely to be in the range of 36°C to 38°C and 18°C to 20°C respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from northwest direction with surface wind speed reaching up to 15 kmph during the morning hours. The wind speed will increase becoming less than 20 kmph from northwest direction during the afternoon. The wind speed gradually decreases becoming less than 15 kmph from the north direction during evening and night.

14.04.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 37°C to 39°C and 20°C to 22°C respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperature will be above normal (1.6 to 3.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 20 kmph from northwest direction during the afternoon. The surface wind speed will gradually decrease becoming less than 15 kmph from the north direction during evening and night.

15.04.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 38°C to 40°C and 22°C to 24°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and the maximum temperature will be above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the west direction with wind reaching up to 12 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from northwest direction during the afternoon. The surface wind speed will gradually decrease becoming less than 12 kmph from the north direction during evening and night.

Impact Expected & Action Suggested due to heavy rainfall over

- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 12th; Arunachal Pradesh on 14th, 15th & 18th; Assam & Meghalaya on 17th & 18th 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 **Sikkim**.
- Undertake harvesting of matured crops, fruits and vegetables immediately and shift them to safer places.

Agromet advisories for likely impact of Heavy Rainfall

- In **Sikkim**, ensure effective field drainage to prevent waterlogging.
- In **Arunachal Pradesh**, harvest cabbage, pea, mustard, late-maturing paddy varieties & potatoes carefully and shift the harvested produce to safe places. Ensure proper drainage channels in the fields of rice, maize, other standing crops, vegetables and orchards.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Odisha**, provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Maintain appropriate soil moisture in mango and cashew.
- In **Chhattisgarh**, complete harvesting of wheat and chickpea, and ensure safe storage. Irrigate summer maize, green gram and vegetables. Maintain soil moisture in mango and litchi.
- In view of hot and humid weather in, **Tamil Nadu, Kerala, Andhra Pradesh, Coastal Karnataka, Madhya Maharashtra** and **Gujarat** State, apply light irrigation to summer crops and vegetables.

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 minimize 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

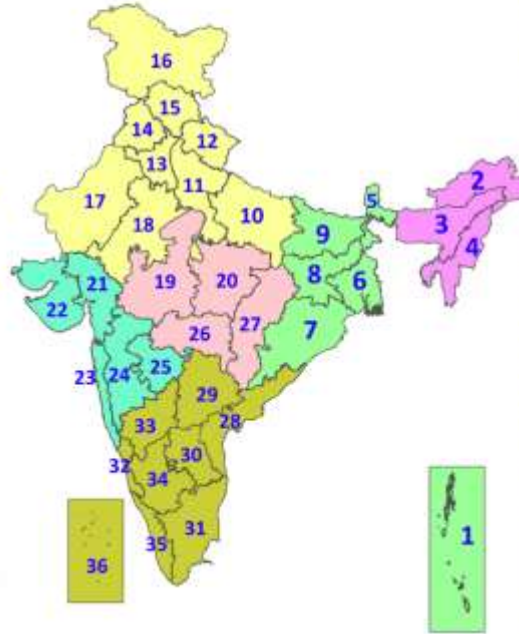
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

Legends & abbreviations:

- ❖ **Heavy Rain:**64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- ❖ **Region wise classification of meteorological Sub-Divisions:**
 - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 - **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
 - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और माहे
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/A Few Places)
51-75	Fairly Widespread (FWS/Many Places)	1-25	Isolated (ISOL)

- | | | |
|----------------------|----------------------|--------------|
| Fog | Heavy Snow | Cold Wave |
| Heavy Rain | Dust Storm | Cold Day |
| Very Heavy Rain | Heat Wave | Ground Frost |
| Extremely Heavy Rain | Warm Night | |
| Thunder & Lightning | Hot Day | |
| Hailstorm | Hot & Humid | |
| Dust Raising Winds | Strong Surface Winds | |

COLOUR CODED WARNING

- No Warning (No Action)
- Watch (Be Aware)
- Alert (Be Prepared To Take Action)
- Warning (Take Action)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

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(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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