



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 17th April 2026
Time of Issue: 1400 hours IST

Subject:(i) Hot & humid weather likely to prevail along west & east coasts of India during the week. Heat wave conditions very likely in isolated pockets of Madhya Pradesh, Vidarbha and Chhattisgarh during 17th-19th; Odisha during 17th-20th; Jharkhand during 19th-21st; Marathwada, Madhya Maharashtra, Rayalaseema and Telangana on 17th & 18th April.

(ii) Isolated Heavy rainfall with lightning and thunderstorm very likely over Arunachal Pradesh during 18th - 21th; over Assam & Meghalaya on 19th & 20th, Sub-Himalayan West Bengal & Sikkim on 18th & 19th April.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 17th April, 2026:

- ❖ Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-70 kmph prevailed at isolated places over Assam & Meghalaya, Jammu-Kashmir, Arunachal Pradesh, Odisha, Manipur & Tripura, Tamil Nadu; with speed 30-50 kmph prevailed at isolated places over Gangetic West Bengal, Sub-Himalayan West Bengal, Jharkhand, Bihar, Himachal Pradesh, Uttarakhand, West Madhya Pradesh, East Madhya Pradesh, Vidarbha, Konkan & Goa, Madhya Maharashtra, Marathwada, Gujarat Region, Saurashtra Kutch

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

- ❖ **Maximum/day temperatures** were in the range of 40°C-44°C over most parts of Vidarbha, Marathwada, Delhi; many parts of Telangana, a few parts of Chhattisgarh, Madhya Pradesh, Rajasthan; at isolated places over south Haryana, southern parts of Uttar Pradesh and in the range of 36°C-40°C over rest parts of the country except western Himalayan region and northeast India. **The highest maximum temperature of 44.4°C was reported at Banda (Uttar Pradesh).**
- ❖ **Maximum/day temperatures** were markedly above normal (5.1°C or more) at a few places over Jammu & Kashmir; at isolated places over East Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at a few places over Haryana-Chandigarh-Delhi, Punjab, Vidarbha, West Rajasthan; at isolated places over Assam & Meghalaya, Chhattisgarh, East Rajasthan, East Uttar Pradesh, Himachal Pradesh, Kerala & Mahe, Madhya Maharashtra, Odisha, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Uttarakhand, West Madhya Pradesh, West Uttar Pradesh; above normal (1.6°C to 3.0°C) at most places over Marathwada; at many places over South Interior Karnataka, Telangana; at a few places over Arunachal Pradesh, Jharkhand, North Interior Karnataka; at isolated places over Bihar, Gangetic West Bengal, Saurashtra & Kutch. These were markedly below normal (-5.1°C or less) at isolated places over Bihar; appreciably below normal (-3.1°C to -5.0°C) at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, Sub-Himalayan West Bengal & Sikkim; below normal (-3.0 °C to -1.6°C) at isolated places over Jharkhand and near normal over rest parts of the country.
- ❖ **Minimum/night temperatures were in the range of 13-19°C** over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Konkan & Goa and Assam & Meghalaya. They were in the range of **20-26°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 16.5 °C was observed at Najibabad (West Uttar Pradesh) over the plains of India.**
- ❖ **Minimum/night Temperature** were appreciably above normal (3.1°C to 5.0°C) over West Rajasthan, Chhattisgarh and Odisha; below normal (-3.0°C to -1.6°C) over Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Marathwada and near normal over rest parts of the country.

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

- ❖ The **Western Disturbance** as a trough in middle & upper-level subtropical westerlies middle tropospheric levels run roughly along Long. 63°E to the north of Lat. 30°N.
- ❖ A **trough** runs from northwest Rajasthan to southwest Madhya Pradesh in lower tropospheric levels.
- ❖ A **trough** runs from north Bihar to South Chhattisgarh in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over North Coastal Odisha & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** over southeast Pakistan & adjoining Rajasthan in lower tropospheric levels.
- ❖ A **north-south trough** from Marathwada to Gulf of Mannar in lower tropospheric levels.

- ❖ **An Anti-cyclonic circulation** over interior Maharashtra & adjoining Telangana and North Interior Karnataka between lower and middle tropospheric levels.

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

Northeast India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Northeast India during next 5 days
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 18th -21st; Assam & Meghalaya on 19th & 20th April.

Northwest India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 17th-19th and **Isolated to Scattered** over Himachal Pradesh, Uttarakhand during 17th-19th:
- ❖ **Isolated** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Punjab, Haryana Chandigarh & Delhi, Rajasthan on 17th April.
- ❖ **Isolated Hailstorm activity** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 17th April.

East India:

- ❖ **Isolated to Scattered** light rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Odisha during 17th-21st; Sub-Himalayan West Bengal & Sikkim during 17th- 20th April; Jharkhand on 17th; Gangetic West Bengal on 17th & 18th; Bihar on 18th April.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 18th & 19th April.

Central India:

- ❖ **Isolated** light rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Vidarbha & Chhattisgarh on 20th & 21st April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Interior Karnataka during 17th- 21st; Telangana during 18th -21st April; **with lightning** over Coastal Andhra Pradesh & Yanam during 17th- 21st, Coastal Karnataka during 18th -21st, Rayalaseema, Kerala & Mahe on 20th & 21st April.
- ❖ **Isolated Hailstorm activity** likely over North Interior Karnataka on 18th & 19th April.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Madhya Maharashtra, Marathawada during 18th - 21st April.

Forecast of maximum/day temperatures:

- ❖ Gradual fall in maximum temperatures by 2°C likely over Northwest India on 17th-18th and Gradual rise by 2-3°C during 19th-21st April and no significant change thereafter.
- ❖ No significant change in maximum temperatures likely over Central India during 17th-19th April and gradual fall by 2-3°C thereafter.
- ❖ Gradual rise in maximum temperatures by 3-4°C likely over East India during 17th-21st April and no significant change thereafter.
- ❖ No significant change in maximum temperatures likely over Maharashtra on 17th& 18th April and gradual fall by 2-3°C during 19th -21st April and no significant change thereafter.
- ❖ 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 Madhya Pradesh, Vidarbha and Chhattisgarh during 17th -19th; Odisha during 17th -20th; Jharkhand during 19th- 21st; Marathawada, Madhya Maharashtra, Rayalaseema, Telangana on 17th & 18th April.

- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Odisha during 17th-23rd; Gangetic West Bengal during 19th-23rd; Coastal Karnataka, Tamil Nadu during 17th-21st, Kerala & Mahe, Coastal Andhra Pradesh & Yanam during 17th -19th April.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Odisha during 17th-20th April.

Weather conditions and forecast over Delhi/NCR during 17th-20th April, 2026 (ANNEXURE III)

For more details, kindly refer National Weather Bulletin:

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

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

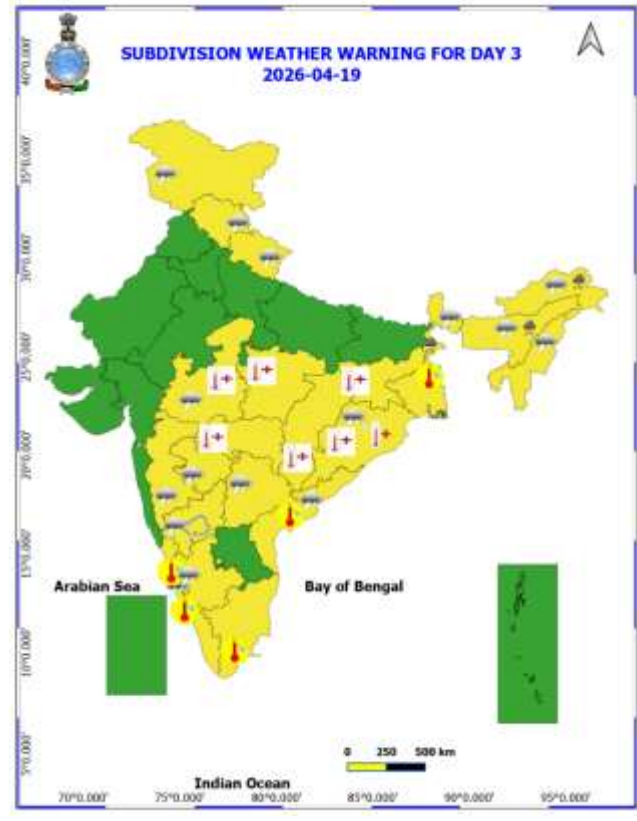
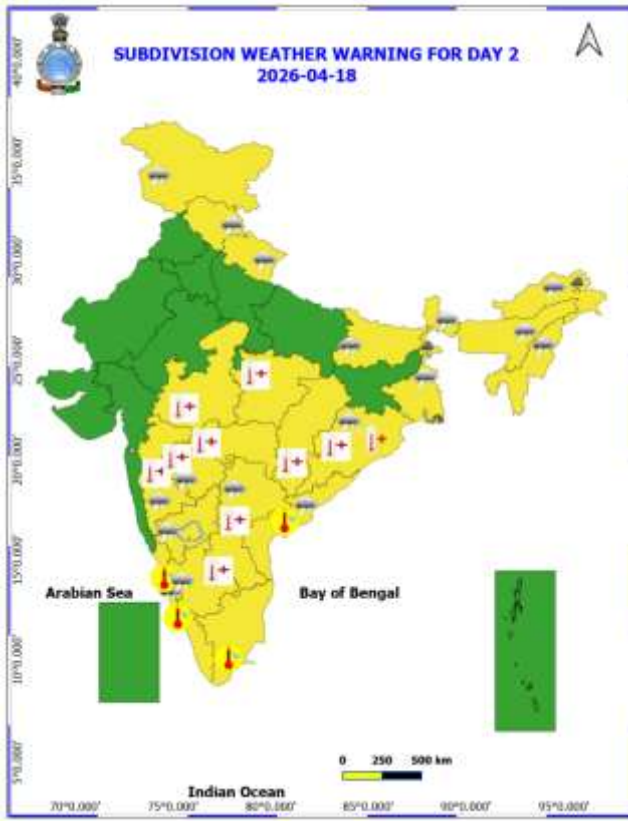
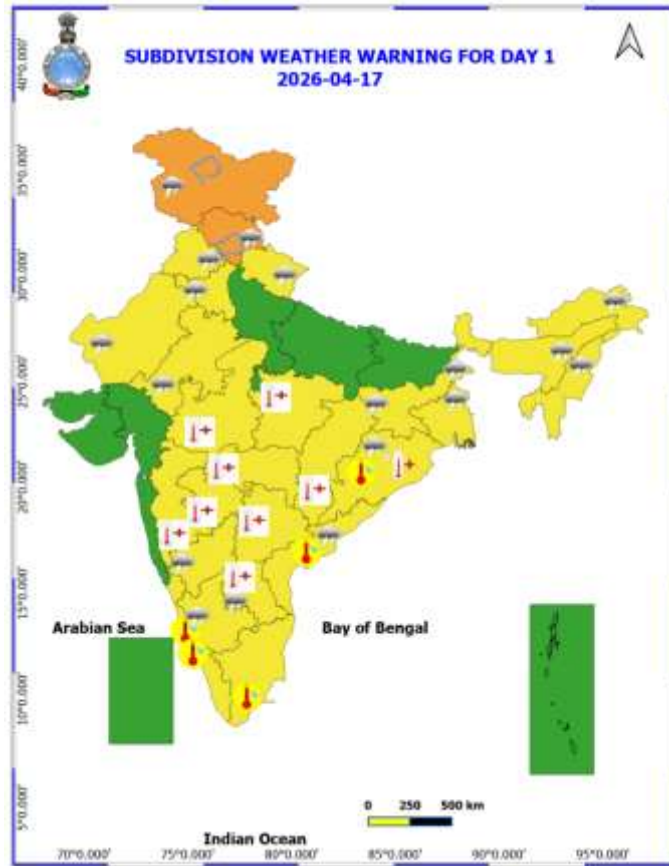
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

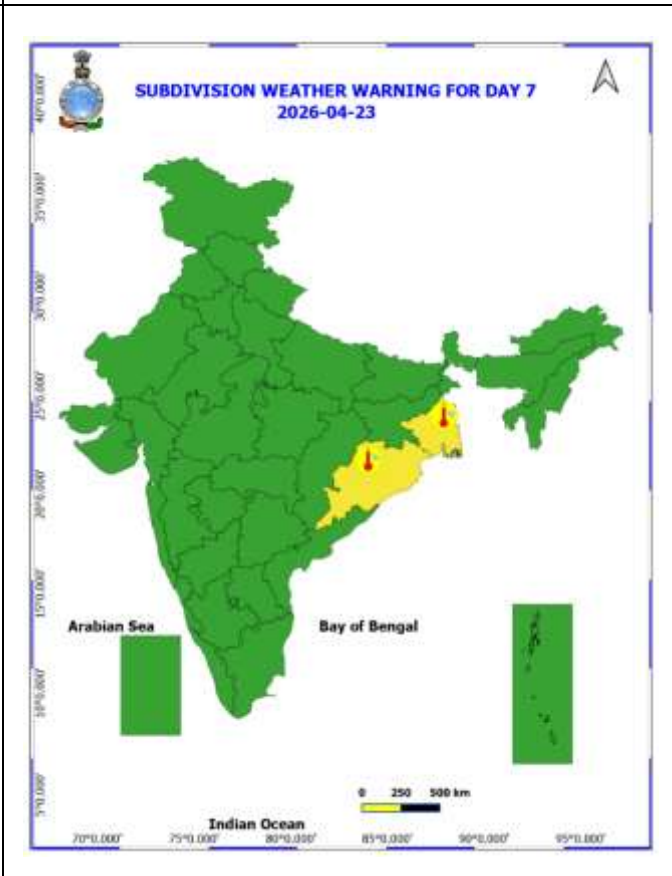
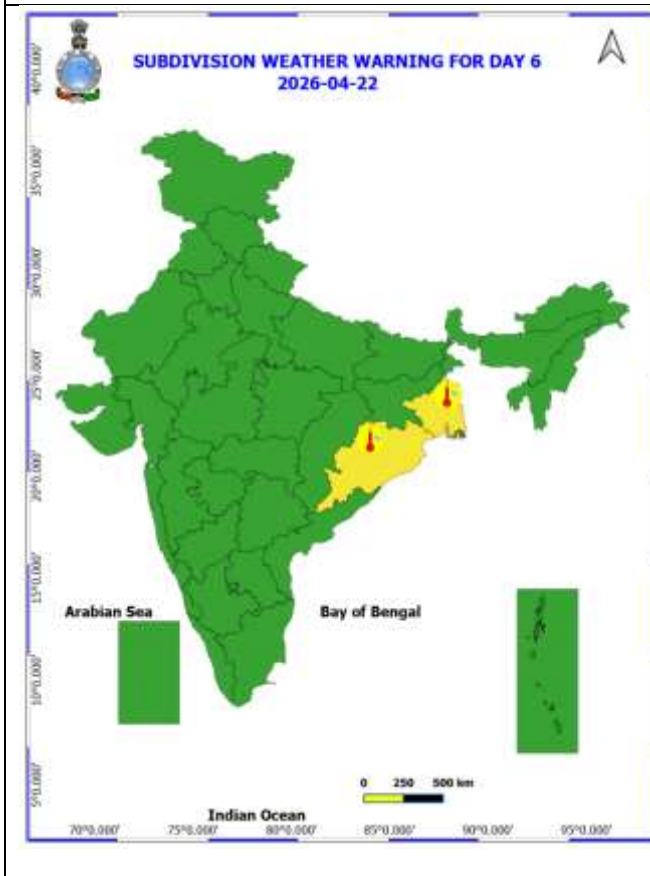
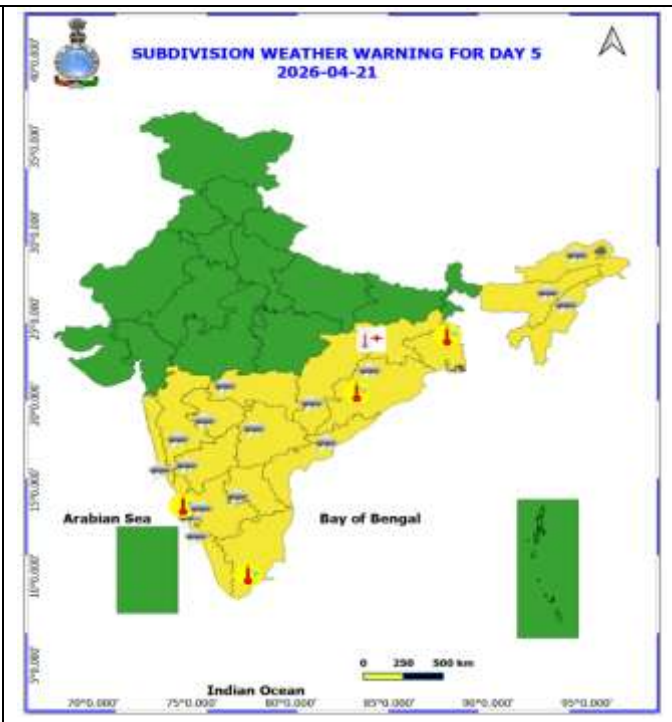
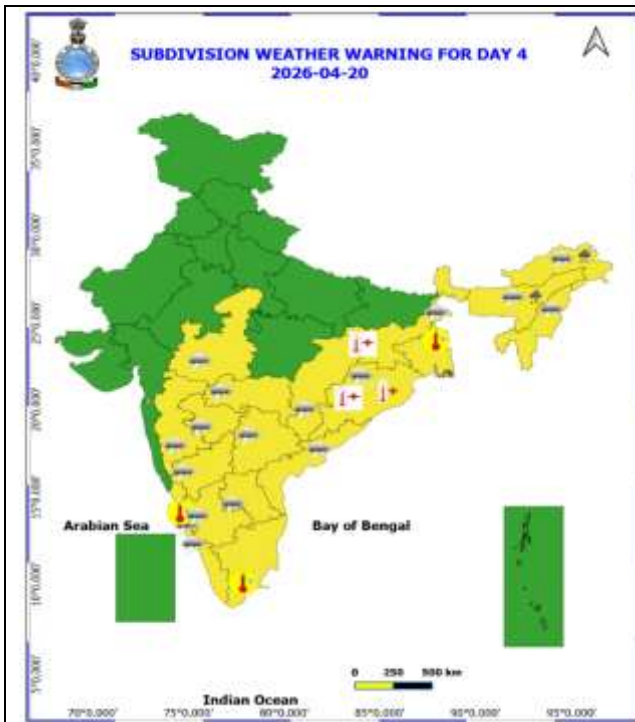
Gusty winds (in kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Assam & Meghalaya:** Manas 67, Nalbari 46, Jowai 31
- ❖ **Jammu-Kashmir:** Ramban & Jammu 65.
- ❖ **Arunachal Pradesh:** Lowertato 56, Dirang 44
- ❖ **Odisha:** Mayurbhanj 56, Janhukuda 44, Bhubaneshwar 39, Gunupur 33, Cuttack, Balasore 31
- ❖ **Manipur & Tripura:** Kanchanpur(North) 52, Kamjong 35
- ❖ **Tamil Nadu:** Natham_Isro (Dindigul) 52
- ❖ **Saurashtra Kutch:** Bhachau(Kutch) 46.
- ❖ **Madhya Maharashtra:** Vilholi (Nashik) 41, Jalgaon 50
- ❖ **Gangetic West Bengal:** Alipore 45, Kolkata Airport (39), Durgapur Airport 31, Gangasagar 31, Amta 31
- ❖ **Sub-Himalayan West Bengal:** Pundibari 37
- ❖ **Jharkhand:** Ranchi 43, Kanke 41, Simdega 35, Saraikela 33, Jaganathpur 31, Ramgarh 30
- ❖ **Himachal Pradesh:** Seobagh 43
- ❖ **Bihar:** Sukhet 41, Madhepura 31, Rajgir, Pusa, Araria 30
- ❖ **West Madhya Pradesh:** Morena 33
- ❖ **East Madhya Pradesh:** Jabalpur 33, Sagar 33
- ❖ **Konkan & Goa:** Karjat (Raigad) 33, Alibag (Raigad) 33
- ❖ **Uttarakhand:** Pantnagar 30
- ❖ **Vidarbha:** Buldhana 30
- ❖ **Marathwada:** Dharashiv 26, Hingoli 26
- ❖ **Gujarat Region :** Arnej 30

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

Past Weather:

There has been rise in maximum temperatures up to 1°C and appreciable rise in minimum temperature up to 2-4°C during past 24 hours over Delhi. The maximum temperatures were in the range of 39-41°C and the minimum temperatures are in the range 22-25°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places, above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) remaining places over Delhi. The maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places and above normal (1.6°C to 3.0°C) over remaining parts of Delhi. Mainly clear sky with surface wind speeds up to 18 kmph prevailed gusting to 34 kmph from west direction over Delhi during past 24 hours. Partly cloudy sky with surface wind speeds up to 15 kmph likely to prevailed from southeast direction over the region in the forenoon today.

Weather Forecast:

17.04.2026: Partly cloudy sky. Possibility of very light rain/drizzle with thundery development towards afternoon to evening. The maximum temperatures over Delhi are likely to be in the range of 38°C to 40°C. The maximum temperatures will be above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the Southeast direction with surface wind speed reaching up to 15 kmph during the afternoon hours. The wind speed will gradually decrease becoming less than 10 kmph from the northeast direction during evening and night.

18.04.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 40°C to 42°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 maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from northwest direction with surface wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming less than 15 kmph from northwest direction during the afternoon. The wind speed will decrease becoming up to 10 kmph from the northwest direction during evening and night.

19.04.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 40°C to 42°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 appreciably above normal (3.0°C to 5.1°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 10 kmph during the morning hours. The surface wind speed will be increase becoming up to 15 kmph from northwest direction during the afternoon. The wind speed will decrease becoming up to 10 kmph from the northwest direction during evening and night.

20.04.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 39°C to 41°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 appreciably above normal (3.0°C to 5.1°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind reaching up to 10 kmph during the morning hours. The surface wind speed will be increase becoming up to 15 kmph from northwest direction during the afternoon. The surface wind speed will decrease becoming less than 10 kmph from the northwest direction during evening and night.

Impact expected and action suggested due to appreciably above normal temperature:

- **Warning:** No heat wave conditions are expected; however, temperatures are likely to remain above normal. There may be moderate health risks, particularly for vulnerable groups such as infants, the elderly, and individuals with chronic illnesses.
- **Advisory:** Avoid prolonged exposure to heat. Wear lightweight, light-colored, and loose cotton clothing. Cover your head using a cloth, hat, or umbrella when outdoors.

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

- ❖ Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 17th, North Interior Karnataka on 18th & 19th 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 during 18th -21st: Assam & Meghalaya on 19th & 20th April, Sub-Himalayan West Bengal on 18th & Sikkim on 19th 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

- In **Jammu & Kashmir** and **Himachal Pradesh**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.
- Undertake harvesting of matured crops, fruits and vegetables immediately and shift them to safer places.

Agromet advisories for likely impact of Heavy Rainfall

- In **Sub-Himalayan West Bengal**, complete harvesting of rice, maize, mustard and potato. Maintain proper drainage in standing crops.
- 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.
- In **Assam and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- **Maharashtra** - In **Konkan**, irrigate green gram, vegetables, and newly planted arecanut and coconut. In **Madhya Maharashtra**, apply light and frequent irrigation to sugarcane, summer groundnut, vegetables, banana, and orchards. Cover banana bunches with leaves. In **Marathwada**, provide light, frequent irrigation to crops such as maize, summer groundnut, sesame, orchards, and vegetables during the morning and evening hours. In **Vidarbha**, apply need-based light and frequent irrigation to summer green gram, groundnut, onion, sunflower, sesame, fodder crops, orchards, and vegetables during cooler hours. Use straw mulch in vegetable and orchard crops to reduce evaporation, and install shade nets for newly planted crops.
- **Gujarat** - Apply light and frequent irrigation to standing crops like cluster bean, cucumber, ridge gourd, bottle gourd, sponge gourd, and bitter gourd during morning or evening hours. Irrigate groundnut at the flowering and pegging stages.
- **Odisha**- Provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- **Madhya Pradesh** - Apply light irrigation to maize, *moong*, *urd*, groundnut and vegetable crops as per requirement.
- **Chhattisgarh** - Apply light irrigation after weeding and hoeing in *rabi* maize, banana, and papaya plantations. Complete harvesting of wheat and chickpea, and ensure safe storage.
- **Andhra Pradesh**- Provide light irrigation to maintain adequate moisture in standing crops such as paddy, *rabi* maize, sorghum, chickpea, groundnut, sesame, sugarcane, vegetables, and fruit orchards.
- **Telangana** - Provide irrigation to mango orchards and vegetable crops, as required.
- **Karnataka** - Provide protective irrigation to standing crops such as sugarcane, sesame, green gram, black gram, arecanut, vegetables, and nurseries.
- In regions experiencing hot and humid conditions, including **Tamil Nadu, Kerala, and Gangetic West Bengal**, apply light irrigation to summer crops and vegetables to maintain soil moisture
- Apply mulching to conserve soil moisture in the standing crops.

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 securely and cover them to minimize the risk of displacement from 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

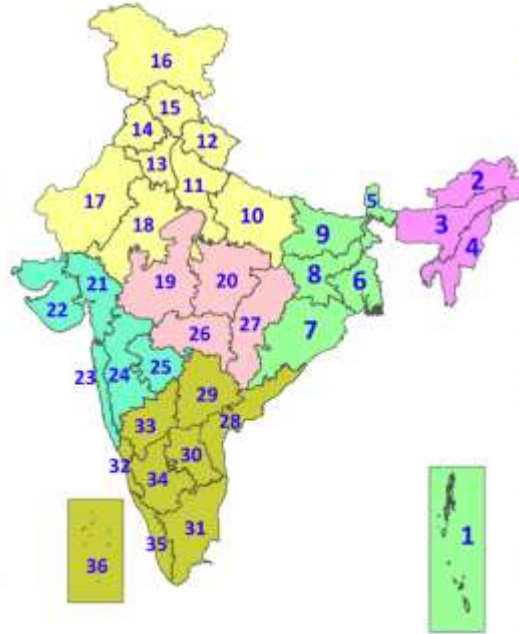
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.

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

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.
For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599
(Service to the Nation since 1875)

DEFINITION/CRITERIA

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

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