



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 21st April 2026
Time of Issue: 1445 hours IST

Subject:(i) Prevailing heat wave conditions over Punjab, Haryana, Uttar Pradesh continue to prevail for the next 3 days with gradual spread towards East India and adjoining Central India for the next 3 days. (ii) Scattered to fairly widespread rainfall along with thunderstorm & lightening likely over northeast & parts of east India during the week. Isolated heavy to very heavy rainfall is also likely over northeast India during many days of the week.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 21st April, 2026:

- ❖ **Extremely heavy rainfall (> 21 cm)** has been recorded at isolated places over Meghalaya.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Arunachal Pradesh.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-80 kmph** prevailed at isolated places over **Jharkhand, Odisha, Chhattisgarh, Tamil Nadu, Assam & Meghalaya & Marathwada with speed 30-50 kmph** prevailed at isolated places **East Uttar Pradesh, Uttarakhand, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Bihar, West Madhya Pradesh, East Madhya Pradesh, Telangana, Konkan & Goa, Saurashtra Kutch, Punjab, Haryana, West Uttar Pradesh, Madhya Maharashtra, Gujarat Region.**
- ❖ **Heat wave conditions realised at isolated pockets of Haryana, East Uttar Pradesh**
- ❖ A fresh spell of **heat wave conditions** commenced over the country from Haryana on 18th April, then it gradually extended to Delhi, Uttar Pradesh, Uttarakhand and East Madhya Pradesh as of today.

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

- ❖ **Maximum/day temperatures** were in the range of 40°C-45°C over most parts of Vidarbha; many parts of Marathwada, Madhya Pradesh; some places of Chhattisgarh, Telangana, Uttar Pradesh; at isolated places over interior Odisha, Rayalaseema, Jharkhand, Rajasthan, Gujarat, and in the range of 36°C-40°C over rest parts of the country except parts of western Himalayan region and northeast India, where they are below 36°C. **The highest maximum temperature of 44.4°C was reported at Allahabad (Uttar Pradesh).**
- ❖ **Maximum/day temperatures** were markedly above normal (> 5.1°C) at few places over Himachal Pradesh; at isolated places over Bihar, Uttarakhand and Chhattisgarh. appreciably above normal (3.1°C to 5.0°C) at many places over Jharkhand and East Uttar Pradesh; at few places over West Uttar Pradesh, Haryana-Chandigarh-Delhi, Punjab, Jammu-Kashmir Ladakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, East Madhya Pradesh and Kerala & Mahe; at isolated places over Gangetic West Bengal, East Rajasthan, Telangana and Tamil Nadu, Puducherry & Karaikal. above normal (1.6°C to 3.0°C) at many places over West Rajasthan; at most places over South Interior Karnataka; at few places over Sub Himalayan West Bengal & Sikkim, Madhya Maharashtra, Marathwada, Vidarbha and Rayalaseema; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Saurashtra & Kutch, Konkan & Goa, Coastal Andhra Pradesh & Yanam and North Interior Karnataka. near normal (-1.5°C to 1.5°C) at most places over Andaman & Nicobar Islands, Gujarat Region, Coastal Karnataka and Lakshadweep; at few places over Arunachal Pradesh.
- ❖ **Minimum/night temperatures were in the range of 13-19°C** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Uttarakhand, Assam & Meghalaya and Nagaland, Sub-Himalayan West Bengal & Sikkim. They were in the range of **20-26°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 17.5 °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 East Uttar Pradesh, Southeast Rajasthan, Bihar, Gangetic West Bengal, Manipur, Nagaland, Chhattisgarh, Odisha, above normal(1.6 to 3.0°C) Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Haryana, Chandigarh, Himachal Pradesh, Uttarakhand, West Rajasthan, Assam & Meghalaya, Madhya Pradesh, Jharkhand, Maharashtra, Kerala & Mahe, Tamil Nadu,

Puducherry & Karaikal, Gujarat Region, South Interior Karnataka, below normal(-3.0°C to -1.6°C) on Saurashtra & Kutch and near normal over rest parts of the country.

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

- ❖ An **upper air cyclonic circulation** lies over Sub-Himalayan West Bengal & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over North Chhattisgarh & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Telangana & neighbourhood in lower tropospheric levels.
- ❖ A **trough/ wind discontinuity** runs from the **upper air cyclonic circulation** over North Chhattisgarh to Comorin area in lower tropospheric levels.
- ❖ A **trough** runs from northwest Bihar to Manipur in lower tropospheric levels.
- ❖ An **Anti-cyclonic circulation** over interior Maharashtra & adjoining Telangana and North Interior Karnataka between lower tropospheric levels.
- ❖ A **fresh Western Disturbance** is likely to affect Western Himalayan region from 23rd April.

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)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 24th & 25th; Himachal Pradesh on 25th & 26th April.

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-40 kmph)** likely over Arunachal Pradesh on 21st & 22nd; Assam & Meghalaya during 21st -27th; Nagaland, Manipur, Mizoram & Tripura on 21st April; **with lightning** over Arunachal Pradesh on 25th, **Nagaland, Manipur, Mizoram & Tripura on 22nd & 23rd April.**
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya on 21st, 22nd & 25th April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 22nd & 25th; Assam & Meghalaya during 21st, 22nd & 24th with isolated **very heavy rainfall** likely over Arunachal Pradesh on 21st, 26th & 27th; Assam & Meghalaya during 25th -27th April.

East India:

- ❖ **Isolated to scattered light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim during 21st -27th; Gangetic West Bengal on 21st & during 24th -26th; Jharkhand on 21st, 24th & 25th; Odisha during 21st-25th April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Bihar on 24th & 25th; Gangetic West Bengal on 26th April.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 26th April.

Central India:

- ❖ **Isolated** light rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over East Madhya Pradesh, Chhattisgarh on 21st and Vidarbha on 21st & 22nd April.
- ❖ Isolated **Hailstorm activity** likely over Vidarbha on 21st April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Kerala & Mahe during 21st -23rd; Interior Karnataka, Telangana, Coastal Andhra Pradesh & Yanam, during 21st -25th; Coastal Karnataka on 21st & 22nd **with lightning** over Tamil Nadu during 21st; Rayalaseema during 21st -23rd; Coastal Karnataka during 23rd -25th April.
- ❖ Isolated **Hailstorm activity** likely over Telangana on 21st April.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Konkan & Goa, Madhya Maharashtra, Marathawada during 21st -25th April.
- ❖ Isolated **Hailstorm activity** likely over Madhya Maharashtra on 23rd & 24th April.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 3-4°C likely over Northwest India till 25th April and no significant change on 26th & 27th April.
- ❖ No significant change in maximum temperatures likely over central India till 22nd and Gradual rise in maximum temperatures by 3-4°C thereafter during 23th – 27th April.
- ❖ No significant change in maximum temperatures likely over Maharashtra on 21st & 22nd April and Gradual rise in maximum temperatures by 2-3°C during 23rd -25th April and no significant change on 26th & 27th April
- ❖ No significant change in maximum temperatures likely over Gujrat State during 21st -23rd and Gradual rise in maximum temperatures by 2-3°C thereafter during 24th – 27th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country during 21st to 27th April.

Heat wave, Hot & Humid weather and Warm night warning:

- ❖ **Heat wave conditions** very likely in isolated pockets of Haryana Chandigarh & Delhi, Punjab during 21st -24th, East Uttar Pradesh during 21st -25th, Madhya Pradesh, Chhattisgarh, West Uttar Pradesh during 22nd -25th, Odisha, Rajasthan during 23rd -25th, Gangetic West Bengal, Bihar on 21st & 22nd, Vidarbha during 24th – 26th April.
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Gangetic West Bengal during 21st -26th; Odisha, Tamil Nadu, Coastal Andhra Pradesh & Yanam during 21st -25th, Konkan & Goa on 23rd & 24th, Coastal areas of Gujarat state on 24th & 25th Kerala & Mahe during 21st -24th, April.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Haryana, Chandigarh, Delhi during 21st -24th, Chhattisgarh on 21st & 22nd, Odisha during 23rd – 25th, Chhattisgarh on 20th & 21th; and Odisha during 23th-25th April.

Weather conditions and forecast over Delhi/NCR during 21th-24th 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):

- ❖ Arunachal Pradesh Tezu 7
- ❖ Assam & Meghalaya :Sohra arg (dist East Khasi Hills) 31, Cherrapunji (dist East Khasi Hills) 28, Mawsynram (dist East Khasi Hills) 26, Cherrapunji(rkm) (dist East Khasi Hills) 21, Bahalpur (dist Dhubri) 9, Kokrajhar (dist Kokrajhar) 8, Goalpara_pto (dist Goalpara) 8, Golaghat_ Cwc (dist Golaghat) 8, Dhemaji (dist Dhemaji) 7

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

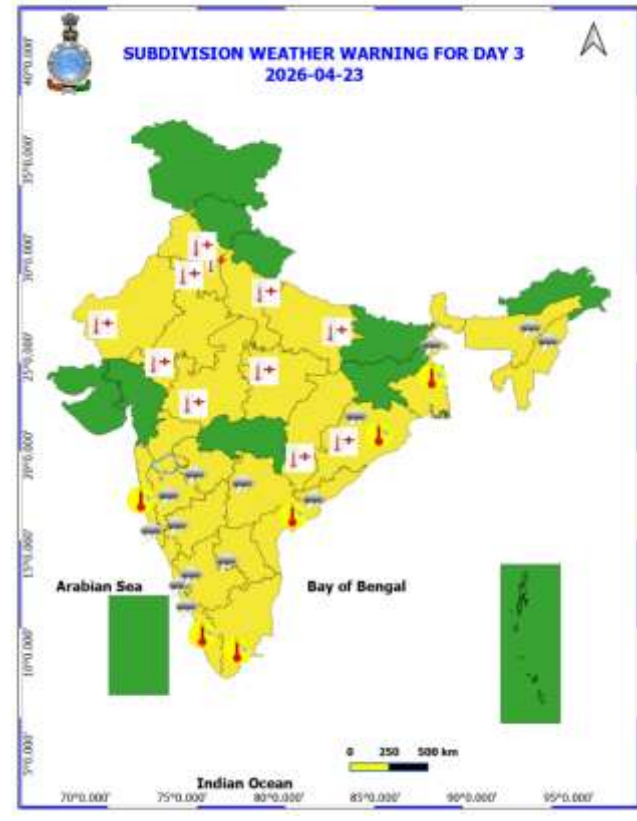
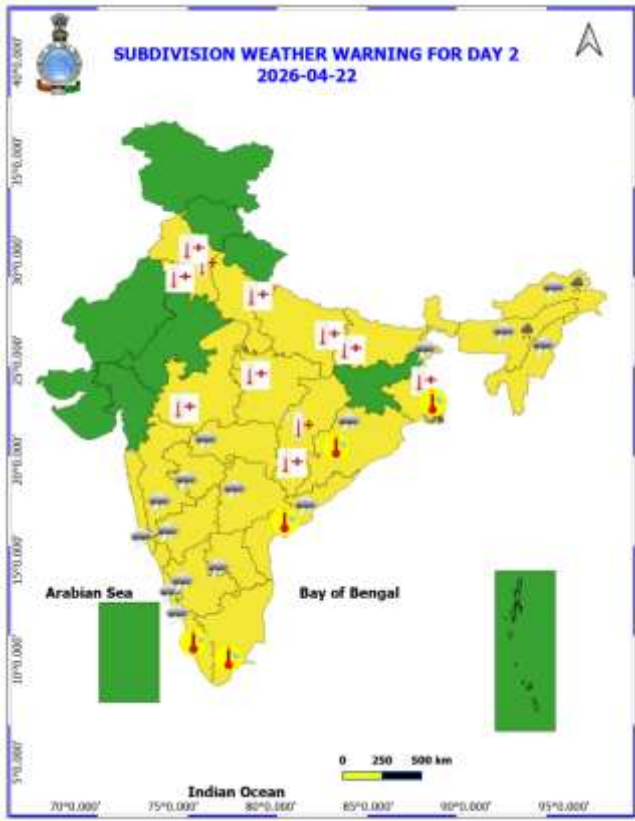
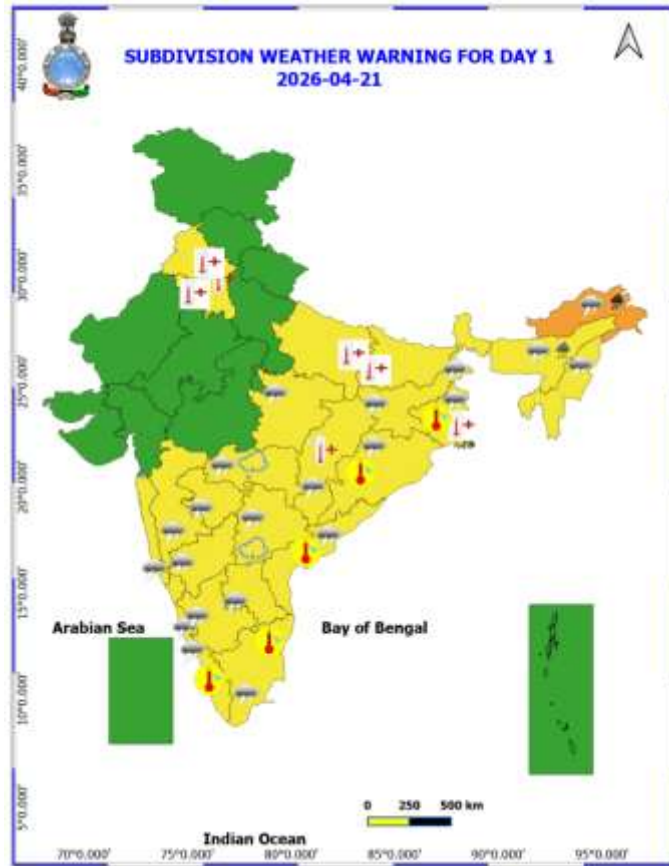
- ❖ **Jharkhand:** Simdega (78)
- ❖ **Odisha:** Mayurbhanj (65)
- ❖ **Chattisgarh:** Korba 65, Koriya43, Mana Airport41, Dhamtari33
- ❖ **Tamil Nadu:** Natham (Dindigul) 59
- ❖ **Assam & Meghalaya:** Cacher_Kvk 57, Guwahati 54, Panchgram_Aegcl 46, Salakati_Aegcl 46, Vcbc_Rani 46, Boko_Aegcl 43, Silchar_Jns_College 43, Algapur_Circle 41, Gauhati_University 37, Manas 35, Haflong_Aegcl 33, Umpanai_Apdcl 33, Agia_Aegcl 31, Jowai 52
- ❖ **Marathwada:** Parbhani 54, Tondapur (Hingoli) 37
- ❖ **East Uttar Pradesh:** Gorakhpur 48, Lucknow 41, Varanasi 37
- ❖ **Uttarakhand:** Kosyakatauli46, Ranichawri37, Mukteshwar35, Pantnagar 35, Nainital (Jeolikot)33, Jollygrant31,
- ❖ **Arunachal Pradesh:** Longding_New 41, Bomdila 39, Dirang 37
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Tuensang 37, Wokha 33, Jiribam 50, Khoupum 48, Kampong 46, Porompat 39, Imphal 39, Tujungvaichong 39, Molnom 33, Lembucherra(West) 39 Hezamara(West) 35.
- ❖ **Gangetic West Bengal:** Amta (43); Dum Dum, Digha (41)
- ❖ **Bihar:** Arwal (43)
- ❖ **West Madhya Pradesh:** Ashoknagar 41, Agar 41, Sehore 39, Bhopal 37, Guna 37, Indore 33, Shivpuri and Narmadapuram 30
- ❖ **East Madhya Pradesh:** Sagar 44, Narasinghpur 43, Jabalpur 40, Rewa 40, Sidhi 33, Satna 31
- ❖ **Telangana:** KVK_ramagiri_killa(Peddapally) 44, Ghatkesar (Rangareddy) 30, Ibrahimpatnam (Rangareddy) 35

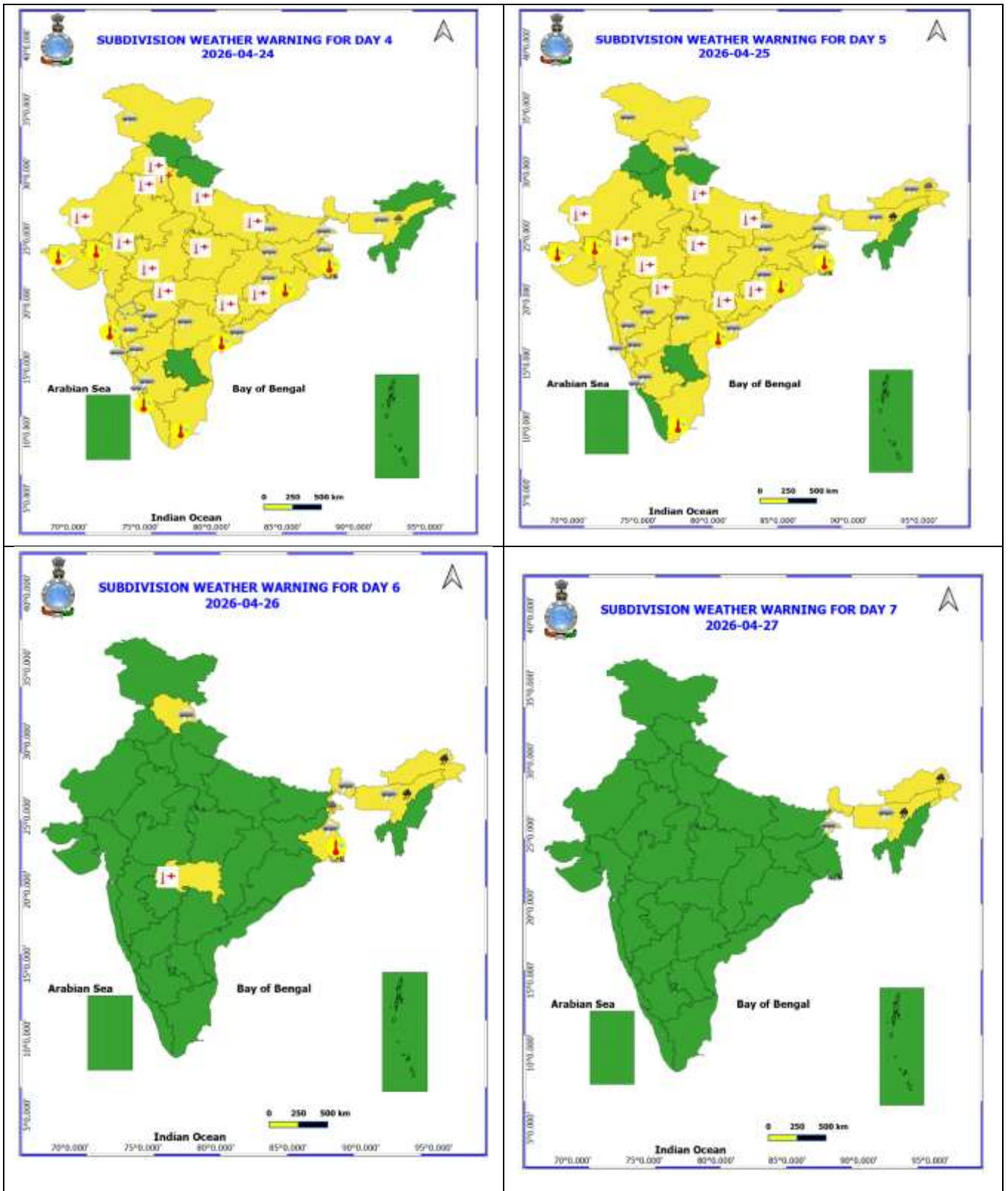
- ❖ **Konkan & Goa:** Karjat (Raigad) 41, Colaba (Mumbai) 28
- ❖ **Saurashtrakutch:** Junagadh 41
- ❖ **Punjab:** Faridkot 35
- ❖ **Haryana:** Hisar35; Panipat & Jind33
- ❖ **West Uttar Pradesh:** Bareilly 37, Hindon33
- ❖ **Madhya Maharashtra:** Vilholi (Nashik) 35, Kurvande (Pune) 33
- ❖ **Gujarat Region:** Dantiwada(B.K.) 30

ANNEXURE I

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

Past Weather:

There has been no large change in maximum temperatures and fall in minimum temperature up to 01-02°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 19-22°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably below normal (-3.1°C to -5.0°C) at isolated places, below normal (-1.6°C to -3.1°C) at isolated places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places, above normal (1.6°C to 3.0°C) over remaining parts of Delhi. Mainly clear sky with surface wind speeds up to 20 kmph prevailed gusting to 36 kmph from northwest direction over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 15 kmph likely to prevailed from southwest direction over the region in the forenoon today.

Weather Forecast:

21.04.2026: Mainly clear sky. Strong surface wind speed 15-20 kmph during the day. The maximum temperatures over Delhi are likely to be in the range of 40°C to 42°C. The maximum temperatures will be appreciably above normal (3.1°C to 5.0°C) at a few places and above normal (1.6°C to 3.0°C) remaining parts of 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.

22.04.2026: Mainly clear sky. Heat wave conditions at isolated places. 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 41°C to 43°C and 21°C to 23°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°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 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 will decrease up to 15 kmph from the northwest direction during evening and night.

23.04.2026: Mainly clear sky. Heat wave conditions at isolated places. The maximum and minimum temperatures over Delhi are likely to be in the range of 42°C to 44°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 markedly above normal (5.1°C to more) at isolated places with appreciably above normal (3.1°C to 5.0°C) at most places 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 be increase becoming up to 20 kmph from west direction during the afternoon. The wind speed will decrease becoming up to 15kmph from the west direction during evening and night.

24.04.2026: Mainly clear sky. Heat wave conditions at isolated places. The maximum and minimum temperatures over Delhi are likely to be in the range of 42°C to 44°C and 23°C to 25°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 markedly above normal (5.1°C to more) at isolated places with appreciably above normal (3.1°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the west 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 west direction during the afternoon. The surface wind speed will decrease becoming less than 10 kmph from the west direction during evening and night.

Impact expected and action suggested due to heat wave conditions:

- **Warning:** 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

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya on 21st, 22nd & 25th, Bihar on 24th & 25th; Gangetic West Bengal on 26th April.
- ❖ **Isolated Hailstorm activity** likely over Vidarbha, Telangana on 21st, Madhya Maharashtra on 23rd & 24th 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/very heavy rainfall over

- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh during 22nd & 25th; Assam & Meghalaya during 21st, 22nd & 24th, Sub-Himalayan West Bengal & Sikkim on 26th with isolated **very heavy rainfall** likely over Arunachal Pradesh on 21st, 26th & 27th; Assam & Meghalaya during 25th -27th 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.

- ❖ **Impact expected and action suggested due to Heat wave conditions** very likely in isolated pockets of Haryana Chandigarh & Delhi, Punjab during 21st-24th, East Uttar Pradesh during 21st-25th, Madhya Pradesh, Chhattisgarh, West Uttar Pradesh during 22nd-25th, Odisha, Rajasthan during 23rd-25th, Gangetic West Bengal, Bihar on 21st & 22nd, Vidarbha during 24th – 26th April.



Alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Agromet advisories for likely impact of Hailstorms

- In **Madhya Maharashtra and Telangana**, use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.
- Ensure effective field drainage to prevent waterlogging. Undertake picking of matured fruits at the earliest. Keep the harvested produce in safe places.

Agromet advisories for likely impact of Heavy Rainfall

- 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 **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 melon 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.
- **Bihar** - Apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures.
- **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.
- **Punjab and Haryana** – Provide light irrigation to maintain adequate moisture in standing crops such as summer *moong*, cotton, vegetables, mango, guava & loquat.
- **Uttar Pradesh** - Provide light irrigation to maintain adequate moisture in standing crops such as hybrid maize, Zaid black gram, green gram, vegetables and sugarcane
- **Rajasthan** - Provide light irrigation to maintain adequate moisture in standing crops such as Zaid moong, American cotton & *Desi* cotton, okra, watermelon, muskmelon, tinda, cucumber & long melon
- In regions experiencing hot and humid conditions, including **Tamil Nadu, Kerala, and Gangetic West Bengal and Coastal Andhra Pradesh** 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

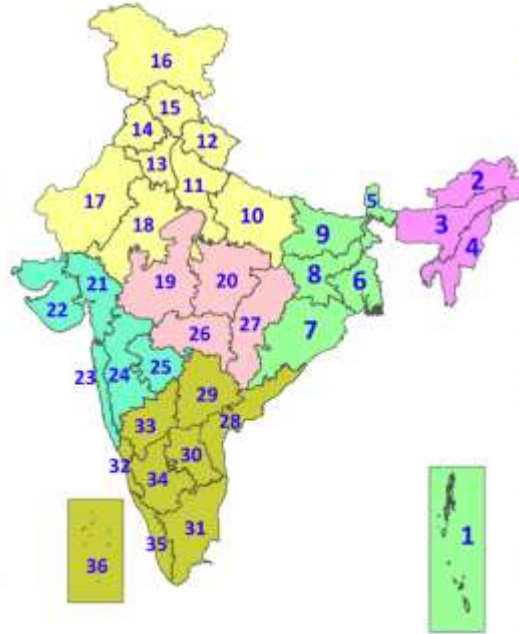
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.
- In 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 | Hot Day |
| Thunder & Lightning | Hot & Humid | Strong Surface Winds |
| Hailstorm | | |
| Dust Raising 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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