



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release
Date: 14th June 2026
Time of Issue: 1330 hours IST

**Subject: (i) Isolated heavy to very heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya during next 6-7 days.
(ii) Heat wave conditions very likely in isolated pockets over Marathawada and Vidarbha during next 3-4 days.**

Advance of Southwest Monsoon 2026 (Annexure I):

- ❖ The **Northern Limit of Monsoon** continues to pass through 18°N/60°E, 18°N/65°E, 18°N/70°E, Harnai, Solapur, Hyderabad, Bhadradi Kothagudem, Kalingapatnam, Paradeep, Baripada, Purulia, Dhanbad, Muzaffarpur and 28.3°N/83°E as on 14th June, 2026.
- ❖ **Conditions are favourable** for further advance of southwest monsoon into more parts of Maharashtra, remaining parts of Karnataka, Telangana, Andhra Pradesh, West Bengal, some more parts of Odisha, Jharkhand, Bihar and some parts of South Chhattisgarh during next 4-5 days.

Realised weather during past 24 hours ending at 0830 hours IST of today, the 13th June, 2026:

- ❖ **Heavy to Very heavy rainfall (12-20 cm)** has been recorded at isolated places over Bihar and Tripura.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over West Bengal, East Uttar Pradesh, Odisha, Meghalaya, Telangana, Rayalaseema and Kerala.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 60-90 kmph** prevailed at isolated places over Odisha, West Madhya Pradesh, Jharkhand, Marathawada, Bihar, Andaman & Nicobar Islands **with speed reaching 40-60 kmph** at isolated places over Punjab, East Uttar Pradesh, Chhattisgarh, Gangetic West Bengal, East Madhya Pradesh, Madhya Maharashtra, East Rajasthan, Konkan & Goa, Gujarat Region and Kutch.
- ❖ **Hailstorm** occurred at isolated places over East Rajasthan.

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

- ❖ **Day/Maximum Temperatures (as on 13-06-2026):** Yesterday, Day/Maximum temperatures were in the range of 36–40°C at many places over Central adjoining East and parts of northwest India, parts of Gujarat, interior Maharashtra and Telangana. They were below 36°C over the remaining parts of the country. The highest maximum temperature of **41.9°C** was reported at **Bhavnagar (Gujarat)**.
- ❖ **Day/Maximum Temperatures (as on 13-06-2026)** were **appreciably above normal (3.1°C to 5.0°C)** at many places over Konkan & Goa and Madhya Maharashtra; at few places over Odisha, coastal and North Interior Karnataka; at isolated places over Assam & Meghalaya, Bihar, Saurashtra & Kutch. **above normal (1.6°C to 3.0°C)** at few places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Gujarat Region, Kerala; at isolated places over Gangetic West Bengal, Jharkhand, South Interior Karnataka, Telangana. **markedly below normal (< -5.1°C)** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan Muzaffarabad; at a few places over Punjab; at isolated places over Himachal Pradesh, Haryana Chandigarh-Delhi and Rajasthan; **appreciably below normal (-5.0°C to -3.1°C)** at a few places over Nagaland and Mizoram; at isolated places over Uttar Pradesh, Uttarakhand, Coastal Andhra Pradesh & Yanam; **below normal(-3.0°C to -1.6°C)** at a few places over East Madhya Pradesh, at isolated places over West Madhya Pradesh; Tamil Nadu, Puducherry & Karaikal, Andaman & Nicobar Islands.
- ❖ **Night Temperatures/Minimum temperatures (as on 14-06-2026)** are **appreciably above normal (3.1°C to 5.0°C)** over Konkan & Goa, Lakshadweep; **above normal (1.6°C to 3.0°C)** over West Rajasthan, Madhya Pradesh, Gujarat State, Bihar, Odisha, Madhya Maharashtra, Marathawada, Vidarbha, Karnataka, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Kerala & Mahe, Puducherry & Karaikal and below normal or near normal over rest parts of the country.

Weather Systems, Forecast and Warnings (Annexure II & III):

- ❖ A **trough** roughly along Long. 87°E to the north of Lat. 22°N in lower tropospheric level.
- ❖ A **trough** from West central Bay of Bengal off south coastal Andhra Pradesh to south Tamil Nadu between lower & middle tropospheric level.

- ❖ A **trough** from central Uttar Pradesh to north Madhya Maharashtra in middle tropospheric level.
- ❖ A **trough** roughly along Long. 73°E to the north of Lat. 30°N in upper tropospheric level.
- ❖ The seasonal **trough** from West Rajasthan to Gangetic West Bengal in lower tropospheric level.

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

Northwest India:

- ❖ **Isolated to Scattered** rainfall likely over Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Uttarakhand during 14th-20th June.
- ❖ **Isolated to Scattered** rainfall likely over East Rajasthan, Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh during 14th-20th June; East Uttar Pradesh during 18th-20th June; West Rajasthan during 14th-17th June and during 19th-20th June.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 14th-15th June and during 18th-20th June; Uttarakhand during 14th-15th June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Himachal Pradesh during 16th-17th June.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Punjab on 15th June and during 19th-20th June; Haryana Chandigarh & Delhi and West Uttar Pradesh during 14th-15th June; West Rajasthan during 16th-17th June and during 19th-20th June; East Rajasthan during 16th-20th June.
- ❖ **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over East Rajasthan and West Rajasthan on 15th June.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Uttar Pradesh during 14th-15th June; East Rajasthan and West Rajasthan on 14th June.
- ❖ **Duststorm** activity likely over West Rajasthan during 14th-15th June.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over Chhattisgarh, East Madhya Pradesh, Vidarbha and West Madhya Pradesh during 14th-20th June.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over West Madhya Pradesh during 16th-19th June; East Madhya Pradesh during 15th-19th June; Chhattisgarh and Vidarbha during 14th-19th June.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Madhya Pradesh during 14th-15th June; East Madhya Pradesh on 14th June.
- ❖ **Duststorm** activity likely over West Madhya Pradesh on 14th June.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim during 14th-20th June; Gangetic West Bengal during 17th-20th June.
- ❖ **Isolated to Scattered** rainfall likely over Gangetic West Bengal during 14th-16th June; Bihar, Jharkhand and Odisha during 14th-20th June.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands on 15th June; Gangetic West Bengal, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 14th-20th June; Bihar during 14th-15th June and during 17th-18th June; Odisha on 16th June and during 18th-20th June.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 14th-15th June and on 20th June; Gangetic West Bengal and Odisha on 14th June; Bihar on 16th June with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 16th-19th June.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 14th June; Bihar on 16th June and during 19th-20th June; Odisha during 14th-15th June and on 17th June.

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 14th-20th June.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 14th-17th June.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 15th-16th June and during 19th-20th June; Assam & Meghalaya during 14th-16th June and on 20th June; Nagaland, Manipur, Mizoram & Tripura during 14th-15th June with isolated **very heavy rainfall** also likely over Arunachal Pradesh during 17th-18th June; Assam & Meghalaya during 17th-19th June.

West India:

- ❖ **Isolated to Scattered** rainfall likely over Gujarat Region, Konkan & Goa, Madhya Maharashtra and Marathawada during 14th-20th June; Saurashtra & Kutch during 16th-20th June.

- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Konkan & Goa on 14th June and on 16th June; Madhya Maharashtra during 14th-18th June; Marathawada on 14th June and during 16th-18th June.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 14th-20th June; Lakshadweep during 15th-18th June; North Interior Karnataka during 14th-17th June and during 19th-20th June; South Interior Karnataka during 14th-16th June; Telangana during 14th-17th June.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka and Kerala & Mahe during 14th-20th June; Lakshadweep on 14th June and during 19th-20th June; North Interior Karnataka on 18th June; South Interior Karnataka during 17th-20th June; Telangana during 18th-20th June.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 14th-18th June; Coastal Andhra Pradesh & Yanam, North Interior Karnataka and Rayalaseema on 14th June; Telangana during 17th-20th June, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka and Kerala & Mahe on 14th June; South Interior Karnataka and Telangana during 14th-16th June; Coastal Andhra Pradesh & Yanam and Rayalaseema during 15th-18th June.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 16th-17th June; Kerala & Mahe on 14th June; Coastal Karnataka and North Interior Karnataka during 17th-18th June; South Interior Karnataka during 16th-18th June; Telangana during 18th-20th June.
- ❖ **Strong Surface Winds** likely over Kerala & Mahe on 14th June; Rayalaseema during 14th-18th June.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures likely over Northwest India by 4-6°C till 18th and thereafter no significant change.
- ❖ Gradual rise in maximum temperatures likely over Central India till 16th June and thereafter no significant change.
- ❖ No significant change in maximum temperatures likely over Maharashtra till 18th June and thereafter gradual fall by 2-3°C during 19th - 20th June.
- ❖ No significant change in maximum temperatures likely over the rest parts of country till 19th June 2026.

Heat Wave, Hot & Humid weather conditions warning:

- ❖ **Heat wave** conditions very likely in isolated pockets over Marathawada during 14th-17th June; Vidarbha during 14th-16th June.
- ❖ **Hot and humid** weather conditions likely to prevail over Konkan & Goa and Madhya Maharashtra during 14th-17th June.
- ❖ **Warm Night** conditions very likely to prevail in isolated pockets over Konkan & Goa during 14th-16th June.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 14th June to 19th June, 2026:

- ❖ **Bay of Bengal:** Over Gulf of Mannar, Comorin, Sri Lanka coasts, over many parts of south Bay of Bengal during 14th to 19th June; over southwest Bay of Bengal on 14th, south Myanmar coasts adjoining eastcentral & northeast Bay of Bengal during 14th to 16th June. along and off Odisha coasts adjoining northwest Bay of Bengal and Andaman Sea during 14th to 17th June.
- ❖ **Arabian Sea:** Along and off Somalia adjoining some parts of southwest & westcentral Arabian Sea; along and off Oman coast adjoining northwest Arabian Sea during 14th to 19th June & adjoining northeast Arabian sea during 16th to 19th June.

Weather conditions and forecast over Delhi/NCR during 14th June -17th June, 2026 (Annexure IV)

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):

- ❖ **Bihar:** Gaya 16;
- ❖ **Tripura:** Amarpur (Gomati) 12;
- ❖ **Meghalaya:** Mawsynram 10;
- ❖ **Telangana:** Kondapur (dist Sangareddy) 10, Mominpet (dist Vikarabad) 7;

- ❖ **Rayalaseema:** Raptadu (dist Anantapuramu) 10, Alur (dist Kurnool) 9;
- ❖ **Sub-Himalayan West Bengal:** Falakata 9;
- ❖ **Gangetic West Bengal:** Labpur 8;
- ❖ **East Uttar Pradesh:** Dalmau CWC (Rae Bareilly) 7;
- ❖ **Odisha:** Mayurbhanj 7;
- ❖ **Kerala:** Angadipuram (dist Malappuram) 7.

Gusty winds (in ≥ 40 kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Odisha:** Ranital 89;
- ❖ **West Madhya Pradesh:** Sehore 72; Bhopal 50; Vidisha 50; Indore 49; Agar 41; Ashoknagar 41;
- ❖ **Jharkhand:** Dumka 67;
- ❖ **Marathwada:** Pokharni Phata (Nanded) 63; Hingoli 57;
- ❖ **Bihar:** Rajgir 61;
- ❖ **Andaman & Nicobar Islands:** Sri Vijayapuram 60;
- ❖ **East Uttar Pradesh:** Sultanpur (AWS) & Varanasi (Ap) 59; Mirzapur (AWS) & Ballia (AWS) 48; Gorakhpur (IAF) & Gorakhpur 46;
- ❖ **Kutch:** Khawda (k) 56;
- ❖ **Gangetic West Bengal:** Jhargram 52; Kalna 44; Uluberia 41;
- ❖ **East Madhya Pradesh:** Sagar 50;
- ❖ **Madhya Maharashtra:** Baramati (Pune) 50; Dondaicha (Dhule) 48; Kolhapur 46;
- ❖ **East Rajasthan:** Sriganganagar 46;
- ❖ **Chhattisgarh:** -Mungeli 46;
- ❖ **Konkan & Goa:** Karjat (Raigad) 44;
- ❖ **Gujarat Region:** Bharuch 44;
- ❖ **Punjab:** Hoshiarpur 41.

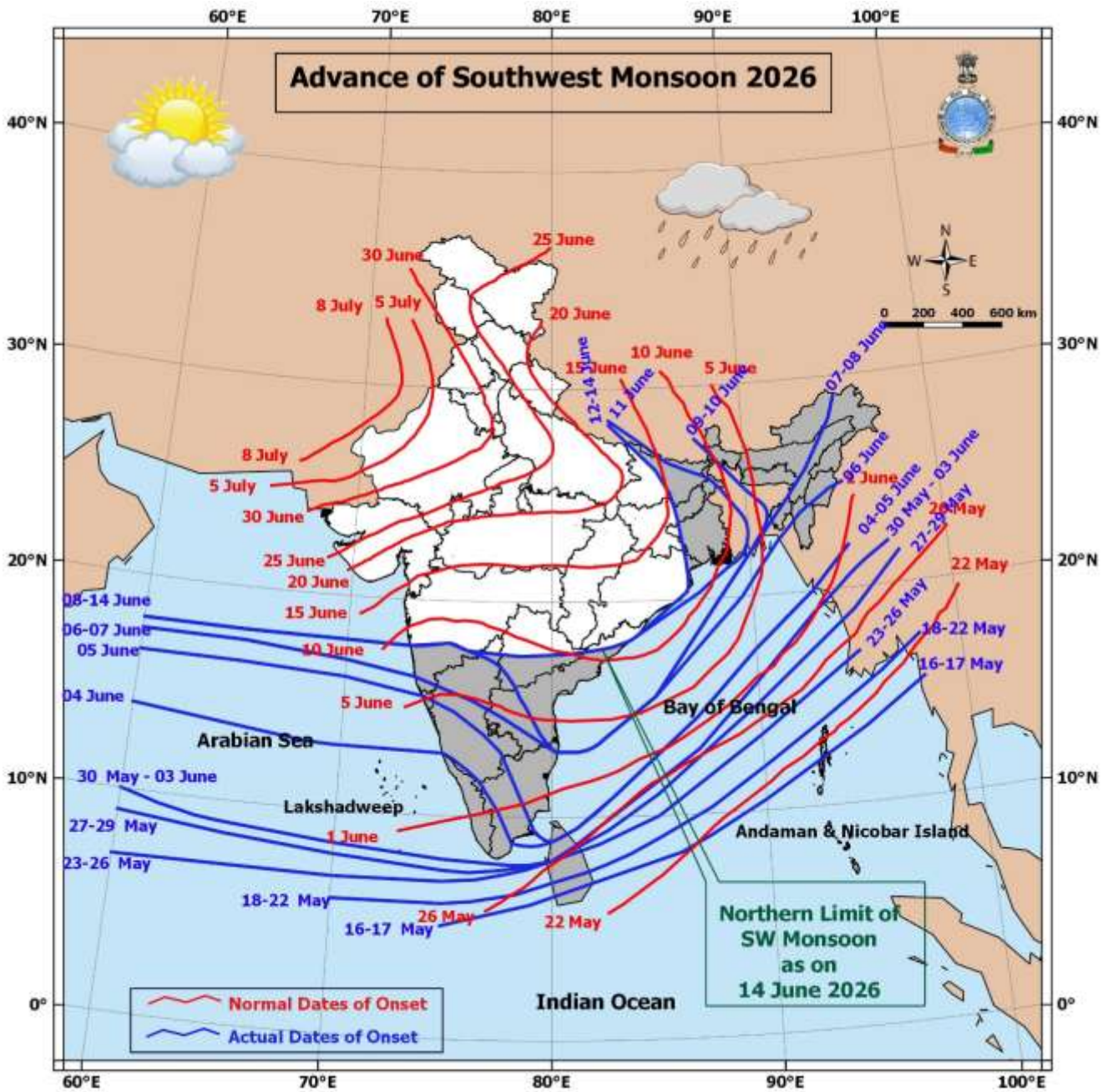
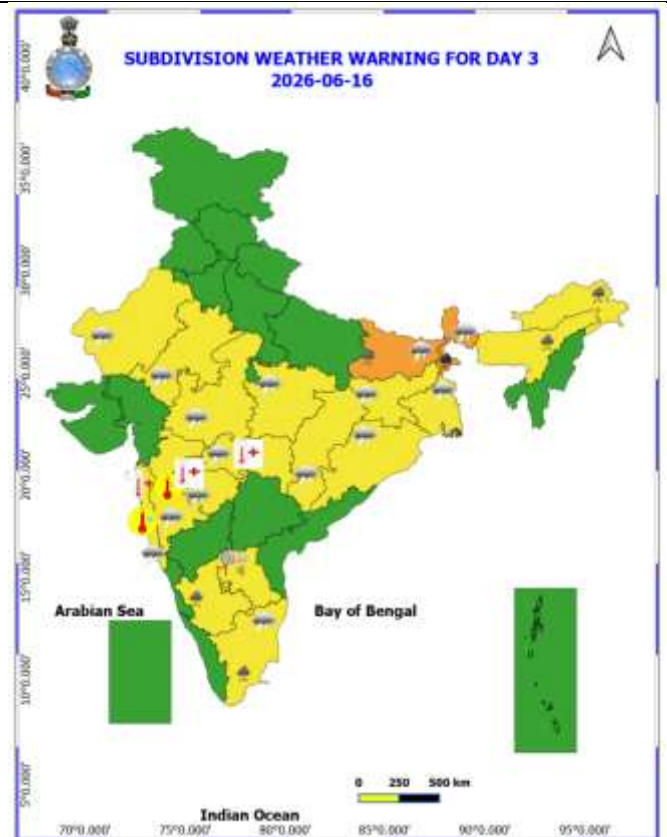
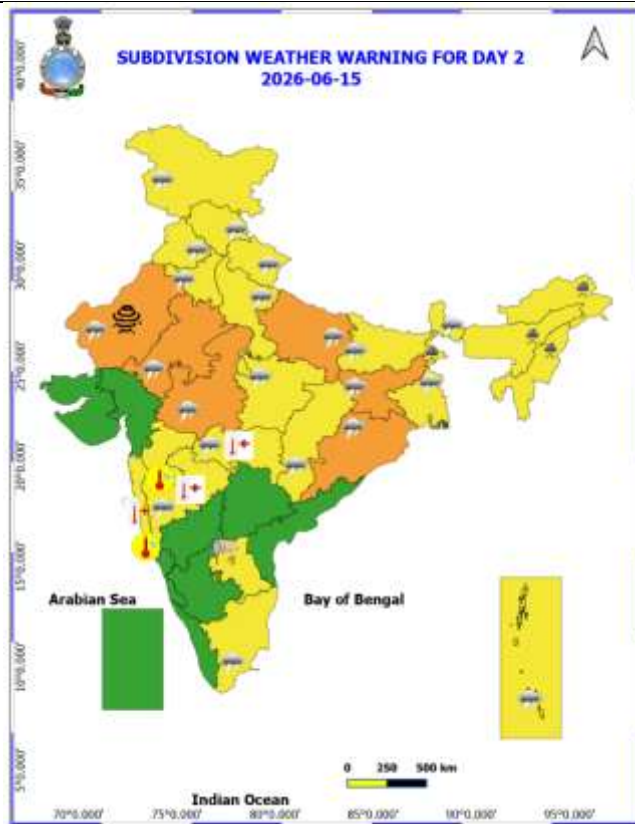
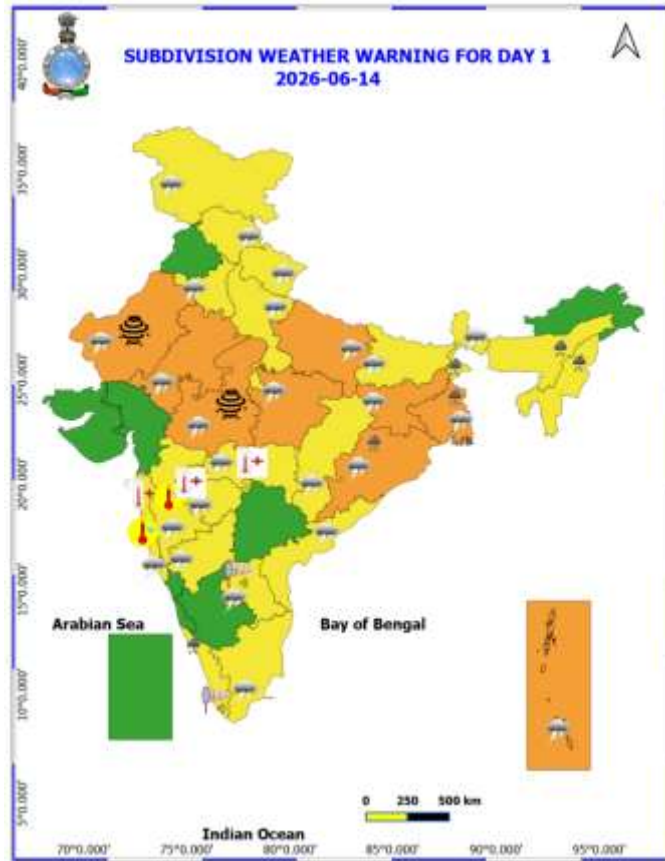
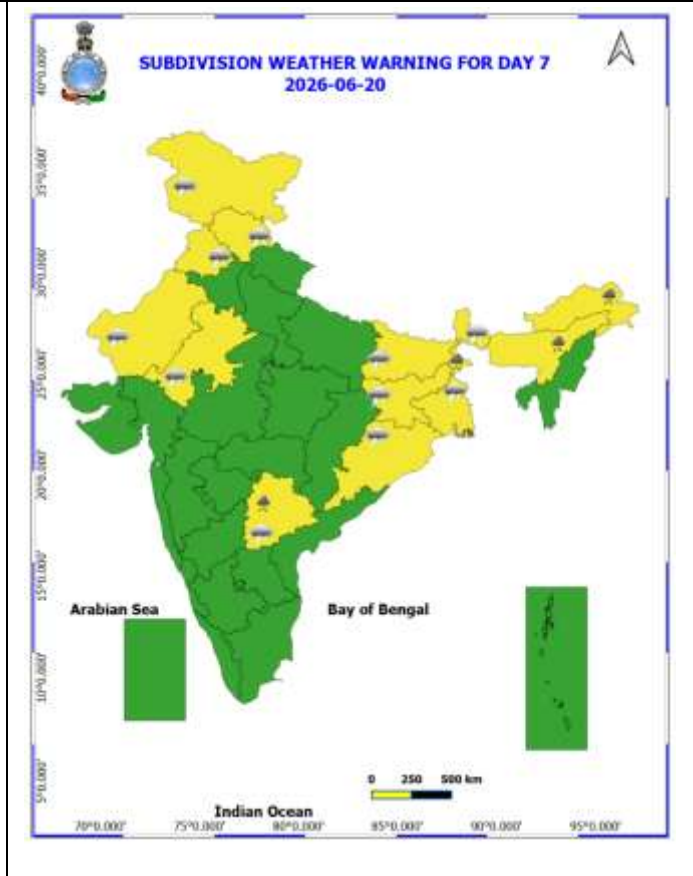
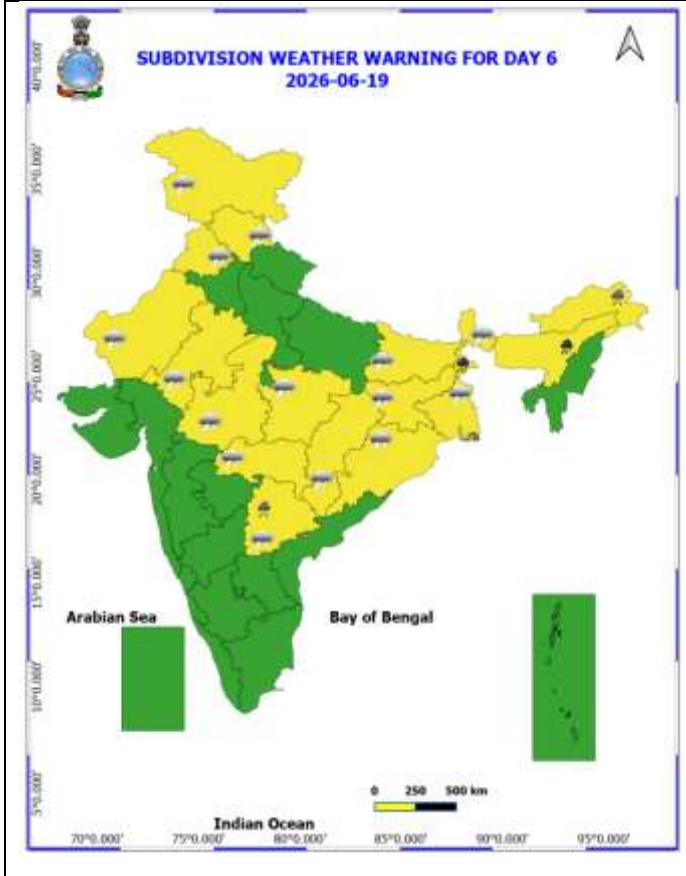
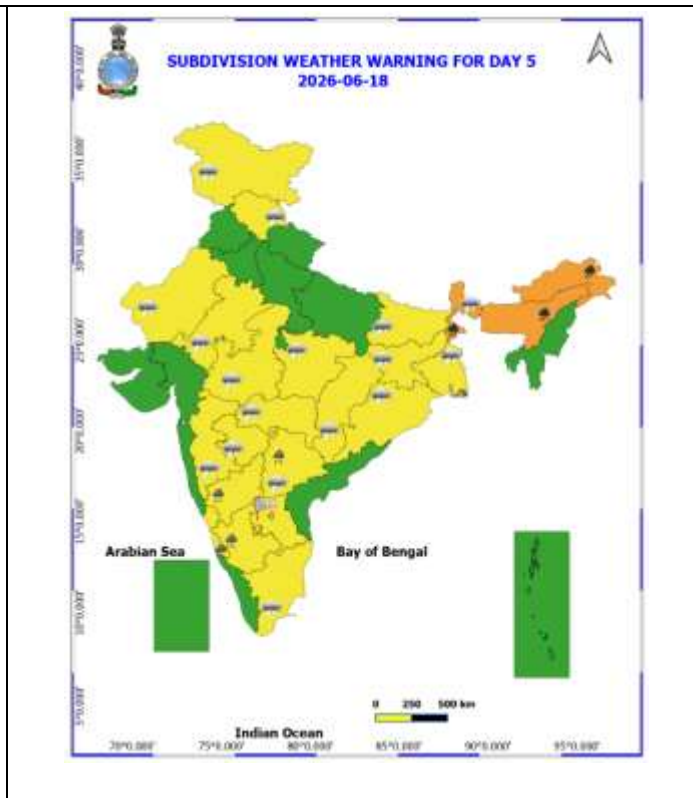
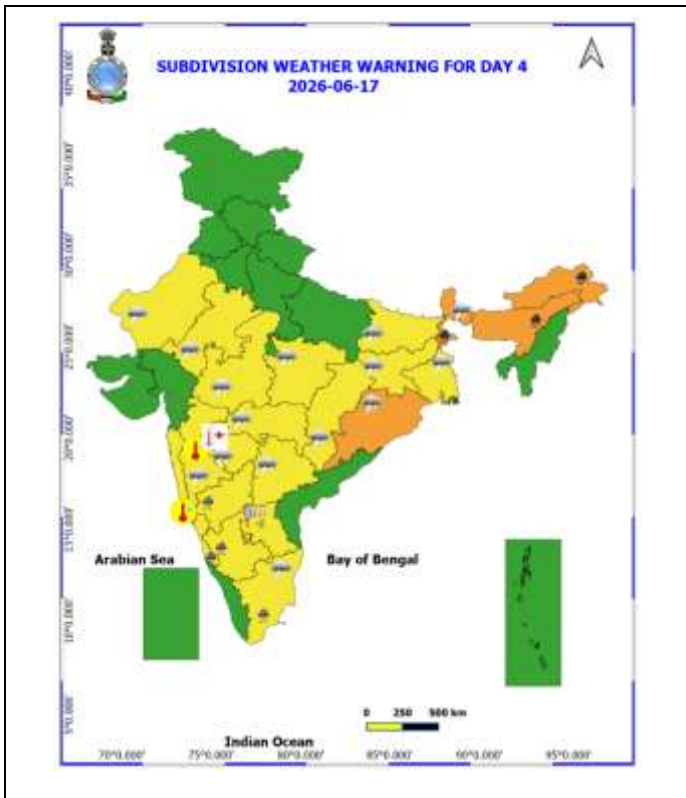


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	14- Jun	15- Jun	16- Jun	17- Jun	18- Jun	19- Jun	20- Jun
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	WS	WS	WS
3	ASSAM & MEHGHALAYA	WS	FWS	WS	WS	WS	WS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

- 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 14th June to 17th June 2026

Past Weather:

There has been rise in maximum temperatures about by 1-3°C and rise in minimum temperatures by 4-5°C over Delhi during past 24 hours. The maximum temperatures were found 35-37°C and the minimum temperatures are in the range 23-26°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably below normal (-3.1°C to -5.0°C) at a few places, below normal (-1.6°C to -3.0°C) at many places over Delhi. The maximum temperatures were markedly below normal (-5.1°C or less) at isolated places and appreciably below normal (-3.1°C to -5.0°C) at most places of Delhi. Partly cloudy sky with surface wind speeds up to 15 kmph from southwest direction prevailed over Delhi during past 24 hours. Partly cloudy sky with surface wind speeds up to 15 kmph likely to prevailed from west direction over the region in the forenoon today.

Weather Forecast:

14.06.2026: Partly cloudy sky. A spell of very light rain/light rain accompanied with thunderstorm/lightning/dust storm and strong wind speed reaching 40-50 kmph gusting to 60 kmph towards evening/night. The maximum temperatures over Delhi are likely to be in the range of 38°C to 40°C over Delhi. 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 west direction with surface wind speed reaching up to 15 kmph during the afternoon hours. The wind speed increase becoming up to 20 kmph from the west direction during evening and night.

15.06.2026: Partly cloudy sky. Possibility of thundery development towards afternoon/evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 38°C to 40°C and 25°C to 27°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 west direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will increase becoming up to 22 kmph from the west direction during afternoon hours. The wind speed will decrease becoming up to 15 kmph from the south direction during evening and night.

16.06.2026: Partly cloudy sky. Possibility of thundery development towards afternoon/evening. The maximum and minimum temperatures over Delhi are likely to be in the range of 39°C to 41°C and 25°C to 27°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 west direction with surface wind speed reaching up to 15 kmph during the morning hours. The wind speed will increase becoming up to 20 kmph from the west direction during afternoon hours. The wind speed will decrease becoming up to 15 kmph from the west direction during evening and night.

17.06.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 40°C to 42°C and 27°C to 29°C respectively. The minimum temperature will be normal (-1.5°C to 1.5°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 northwest direction with wind reaching up to 15 kmph during morning hours. The wind speed will increase becoming up to 20 from the northwest direction during afternoon hours. The wind speed will decrease becoming up to 10 kmph from west direction during evening and night.

Impact expected and Action Suggested due to thunderstorm with lightning/gusty winds:

Thunderstorms accompanied with lightning and gusty winds (40–50 kmph reaching up to 60 kmph) with dust-raising surface winds are likely to occur.

- **Expected Impacts:** Breaking of tree branches and uprooting of large trees, falling of dead tree limbs, Damage to standing crops, Minor to major damage to power and communication lines due to falling branches, Partial damage to vulnerable structures due to strong winds, Loose objects may get blown away
- **Advisory for Public Safety:** Keep a close watch on weather updates and worsening conditions, stay indoors and avoid unnecessary travel, Close windows and doors securely, take shelter in safe places and avoid open areas, do not take shelter under trees, do not lie on concrete floors or lean against concrete walls during lightning activity, unplug electrical and electronic appliances, immediately move out of water bodies, stay away from objects that conduct electricity

Citizens are advised to remain alert and follow safety precautions to avoid any loss of life or property.

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

- ❖ **Thundersquall (wind speed reaching 60-70 kmph gusting to 80 kmph)** likely over East Rajasthan and West Rajasthan on 15th June.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over East Uttar Pradesh during 14th-15th June; East Rajasthan and West Rajasthan on 14th June; West Madhya Pradesh during 14th-15th June; East Madhya Pradesh on 14th June; Andaman & Nicobar Islands on 14th June; Bihar on 16th June and during 19th-20th June; Odisha during 14th-15th June and on 17th June.

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.
- 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 Sub-Himalayan West Bengal & Sikkim during 14th-15th June and on 20th June; Gangetic West Bengal and Odisha on 14th June; Bihar on 16th June; Arunachal Pradesh during 15th-16th June and during 19th-20th June; Assam & Meghalaya during 14th-16th June and on 20th June; Nagaland, Manipur, Mizoram & Tripura during 14th-15th June; Tamil Nadu, Puducherry & Karaikal during 16th-17th June; Kerala & Mahe on 14th June; Coastal Karnataka and North Interior Karnataka during 17th-18th June; South Interior Karnataka during 16th-18th June; Telangana during 18th-20th June.
- ❖ isolated **very heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 16th-19th June; Arunachal Pradesh during 17th-18th June; Assam & Meghalaya during 17th-19th June.

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:

- ❖ **Heat wave** conditions very likely in isolated pockets over Marathwada during 14th-17th June; Vidarbha during 14th-16th June.

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 Heavy Rainfall

- In **Arunachal Pradesh**, ensure proper drainage in vegetables, maize, rice nursery and other crop fields to prevent waterlogging.
- In **Assam**, ensure proper drainage arrangements for quick removal of excess water from rice nurseries, jute, ginger, vegetables, banana, citrus and papaya. Postpone nursery sowing of *Sali* rice. Cover the rice nursery beds with thin polythene sheet. Provide mechanical support to the sugarcane crop to prevent lodging.
- In **Meghalaya**, ensure proper drainage channels in maize, ginger, cowpea, vegetable fields and banana plantations. Protect young seedlings from direct exposure to heavy rainfall. Use propping (bamboo or wooden poles) to support heavily laden plants.
- In **Nagaland**, delay transplanting of brinjal in main field. For already transplanted seedlings, maintain proper drainage in and around the fields of maize, vegetables and orchard.
- In **Manipur**, ensure that ridges and bunds around rice fields are well constructed to maintain the required water level; provide adequate drainage to remove excess rain water from chilli, ginger, turmeric, banana and other crops.
- In **Mizoram**, create drainage channels surrounding the rice fields and utilize grass mulch to cover the seeds. Provide support to fruit-bearing or partially lodge plants/trees. Propping should be done to prevent maize plants from lodging.
- In **Tripura** – undertake harvesting of mature Boro rice immediately and shift the harvested produce to a safe and dry place for storage.
- In **Sub Himalayan West Bengal & Sikkim** keep the harvested produce of rice and other vegetables in safe and dry place. Provide adequate drainage in ginger, tomato and dalley khorsani fields and nurseries of *kharif* rice and vegetables.
- In **Keralam**, drain out excess water from banana, coconut, cardamom, ginger, black pepper and vegetables. Provide staking support in banana plants and strengthen the pandals of vegetable crops. Avoid transplanting of rice during heavy rain.
- In the regions expecting heavy rainfall, especially **Odisha** withhold irrigation in standing crops, make necessary arrangements to remove excess rainwater from the crop fields.

Agromet advisories for likely impact of High temperatures / Heat Waves

- In **Vidarbha, Madhya Maharashtra** and **Marathwada**, apply light irrigation as per requirement in vegetable crops and fruit orchards.

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 / Fisheries

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- In regions with high temperatures and heat wave conditions, provide clean, cool drinking water to animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects of heat.
- 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

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

DEFINITION/CRITERIA

Rain/ Snow *	<p>Heavy: 64.5 to 115.5 mm/cm *</p> <p>Very Heavy: 115.6 to 204.4 mm/cm*</p> <p>Extremely Heavy: > 204.4 mm/cm *</p>
Heat Wave	<p>When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions</p> <p>(a) Based on Departure from normal</p> <p>Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C.</p> <p>Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$</p> <p>(b). Based on Actual maximum temperature</p> <p>Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.</p> <p>Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$</p> <p>(c). Criteria for heat wave for coastal stations</p> <p>When maximum temperature departure is $>4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$</p>
Warm Night	<p>When maximum temperature remains 40°C</p> <p>Warm Night: When minimum temperature departure 4.5°C to 6.4°C.</p> <p>Severe Warm Night: When minimum temperature departure $>6.4^{\circ}\text{C}$.</p>
Cold Wave	<p>When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.</p> <p>(a). Based on departure</p> <p>Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p> <p>(b) Based on actual Minimum Temperature (for Plains only)</p> <p>Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$</p> <p>Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$</p> <p>(c) For Coastal Stations</p> <p>When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$</p>
Cold Day	<p>When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions</p> <p>Based on departure</p> <p>Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p>
Fog	<p>Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$</p> <p>Moderate Fog: When the visibility between 500-200 metres</p> <p>Dense Fog: when the visibility between 50- 200 metres</p> <p>Very Dense Fog: when the visibility < 50 metres</p>
Thunderstorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)
Dust/Sand Storm	An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.
Frost	<p>Ice deposits on ground</p> <p>Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)</p>
Squall	<p>A strong wind that rises suddenly, lasts for atleast 1 minute.</p> <p>Moderate: Wind speed 52-61 kmph</p> <p>Severe: Wind speed 62-67 kmph</p> <p>Very Severe: Wind speed >67 kmph</p>
Sea State	<p>Effect of various waves in the sea over specific area</p> <p>Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre</p> <p>High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre</p> <p>Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre</p>
Cyclone	<p>Cyclonic Storm: Wind speed 62-87 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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