



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 17th May 2026

Time of Issue: 1350 hours IST

Subject: (i) Heat wave to severe heat wave conditions likely to prevail over plains of northwest India and central India during many days of the week.

(ii) Isolated heavy to very heavy rainfall also likely over northeast India and over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim during next 6-7 days; and over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep and South Interior Karnataka during next 3 days.

Advance of Southwest Monsoon 2026 (Annexure I):

- ❖ The **Northern Limit of Monsoon** continues to pass through 5°N/75°E, 6°N/79°E, 8°N/85°E, 10.5°N/90°E, 13.5°N/95°E, and 15.5°N/98°E.
- ❖ Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, remaining parts of Andaman Islands and Andaman Sea, and some parts of eastcentral Bay of Bengal during next 2-3 days.
- ❖ The **Southwest Monsoon** is likely to set in over Kerala on 26th May with a model error of ± 4 days.

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

- ❖ **Heavy to very heavy rainfall (11-20 cm)** has been recorded at isolated places over Sub-Himalayan West Bengal.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded at isolated places over Odisha, Coastal Karnataka, Kerala, Tamil Nadu.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 50-76 kmph** prevailed at isolated places over Tamil Nadu, Puducherry & Karaikal, Chhattisgarh, Andaman & Nicobar Islands, Uttarakhand, Odisha and **with speed reaching 30-50 kmph** prevailed at isolated places over Sub-Himalayan West Bengal & Sikkim, Saurashtra & Kutch, East Madhya Pradesh, Madhya Maharashtra, Marathwada, Bihar, Punjab, Gujarat Region, Vidarbha, Konkan & Goa, West Madhya Pradesh, Assam & Meghalaya.
- ❖ **Hailstorm** reported at isolated places over Odisha, Chhattisgarh.
- ❖ **Heat wave conditions** prevailed in few places over Vidarbha.

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

- ❖ **Maximum Temperatures (as on 16-05-2026):** Yesterday, Maximum temperature were in the range of 40-45°C at most parts of Central India & adjoining north Peninsular India, at many parts of Gujrat states, Rajasthan & adjoining Haryana; 32-40°C Over rest parts of country except parts of Jammu-Kashmir, Himachal Pradesh, Northeast India, South Kerala and Tamil Nadu. **Yesterday The highest maximum temperature of 46.0°C was reported at AMRAOTI & WARDHA (VIDARABHA).**
- ❖ **Maximum Temperature Departures (as on 16-05-2026):** were markedly above normal ($> 5.1^\circ\text{C}$) at few places over East Madhya Pradesh; at isolated places over West Uttar Pradesh, East Rajasthan and West Madhya Pradesh. appreciably above normal (3.1°C to 5.0°C) at few places over Gujarat Region; at isolated places over Gangetic West Bengal, East Uttar Pradesh, Himachal Pradesh, Madhya Maharashtra and Vidarbha. above normal (1.6°C to 3.0°C) at many places over Marathwada; at few places over Saurashtra & Kutch and North Interior Karnataka; at isolated places over Andaman & Nicobar Islands, Odisha, Bihar, Uttarakhand, West Rajasthan, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Telangana.
- ❖ **Minimum temperatures** were markedly above normal ($> 5.1^\circ\text{C}$) at few places over East Rajasthan, Madhya Pradesh; at isolated places over Bihar, Uttar Pradesh, Gujarat. appreciably above normal (3.1°C to 5.0°C) at few places over West Rajasthan and Madhya Maharashtra; at isolated places over Odisha, Marathwada, Vidarbha and Tamil Nadu, Puducherry & Karaikal. above normal (1.6°C to 3.0°C) at few places over Punjab, Konkan & Goa, Vidarbha, Rayalaseema, North Interior Karnataka and Lakshadweep and below normal or near normal over rest parts of the country.

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

- ❖ An **upper air cyclonic circulation** over northeast Tamil Nadu and neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over West Madhya Pradesh and neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** over west Vidarbha & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh at in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Northeast Bihar in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over central Assam & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Comorin Area & neighbourhood in lower tropospheric level.
- ❖ A **trough/ wind discontinuity** runs from the cyclonic circulation over west Vidarbha & neighbourhood to Gulf of Mannar across Marathwada, interior Karnataka, and Tamil Nadu in lower tropospheric level.
- ❖ The **Western Disturbance** as a cyclonic circulation over north Iran & neighbourhood in middle tropospheric level.

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 40-50 kmph)** likely over Assam & Meghalaya on 18th, Nagaland, Manipur, Mizoram & Tripura on 17th with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** over Assam & Meghalaya on 17th; Nagaland, Manipur, Mizoram & Tripura on 18th & 19th May with **thunderstorm, lightning on** Arunachal Pradesh on 17th & 18th; Assam & Meghalaya on 19th & 20th; Nagaland, Manipur, Mizoram & Tripura during 17th -20th May.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 17th & 18th; Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya during 17th-23rd with **isolated very heavy rainfall over Arunachal Pradesh on 17th; Assam & Meghalaya on 17th, 22nd & 23rd May.**

South Peninsular India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 50-60 kmph)** likely over Coastal Andhra Pradesh & Yanam & Rayalaseema on 20th & 21th; Interior Karnataka on 17th & 18th with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 17th -19th; Kerala & Mahe during 17th -21th; Lakshadweep, Coastal Karnataka on 17th & 18th; ; Rayalaseema, Coastal Andhra Pradesh & Yanam on 19th; Telangana on 17th; Interior Karnataka on 19th & 20th May; **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (40-50 kmph)** likely over Rayalaseema during 16th-20th; Coastal Andhra Pradesh & Yanam during 18th-20th; South Interior Karnataka on 16th May with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Tamil Nadu, Puducherry & Karaikal on 20th & 21th; Coastal Andhra Pradesh & Yanam & Rayalaseema on 17th & 18th; Coastal Karnataka during 19th -21st May.
- ❖ **Isolated Heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, Kerala & Mahe during 17th -19th; Lakshadweep on 17th & 18th; with **isolated very heavy rainfall over Kerala & Mahe on 17th May.**
- ❖ **Hailstorm activity likely** at isolated places over Interior Karnataka on 17th & 18th May.

East India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 17th & during 20th -23rd; Gangetic West Bengal during 17th -19th with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 18th & 19th May.
- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Andaman & Nicobar Islands during 19th -23rd; Bihar on 17th, 19th & during 21st -23rd; Jharkhand on 17th & 18th & during 21st -23rd; Odisha during the week except on 20th May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Andaman & Nicobar Islands on 17th & 18th; Bihar & Odisha on 20th; Jharkhand on 19th & 20th May.
- ❖ **Isolated heavy rainfall** likely over Andaman & Nicobar Islands during the week; Sub-Himalayan West Bengal & Sikkim on 17th & during 21st -23rd May with **isolated very heavy rainfall over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 17th May.**

Northwest India:

- ❖ **Scattered to Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir on 19th & 20th; Uttarakhand during 20th -23rd May. **Isolated** light to

moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Himachal Pradesh during 19th -23rd May.

Central India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Pradesh & Vidarbha on 17th; Chhattisgarh on 17th & 18th May.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Maharashtra on 17th & 18th; Konkan & Goa and Marathawada on 17th May.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by 3-5°C likely over many parts of Northwest India till 21th May and no significant change during 22nd -23rd May.
- ❖ No significant change in maximum temperatures likely over Maharashtra and Gujarat State till 19th and gradual fall by 2-3°C during 20th -22nd May.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over parts of East, Northeast India and Telangana till 19th May and no significant change during 20th to 23rd May.
- ❖ No significant change in maximum temperatures likely over rest parts of the country till 23rd May 2026.

Heat Wave, Hot & Humid weather conditions warning:

- ❖ **Heat wave conditions** in isolated pockets likely to prevail over Rajasthan during 17th -23rd; Punjab, Haryana Chandigarh & Delhi during 18th -23rd; Madhya Pradesh & Vidarbha during 17th -21st; Chhattisgarh on 20th & 21st May.
- ❖ **Heat wave conditions** in isolated/ some pockets likely to prevail over Uttar Pradesh during 17th -23rd with **severe heat wave conditions** in isolated/ some pockets over Uttar Pradesh during 19th -23rd May.
- ❖ **Heat wave conditions** in isolated pockets likely to prevail over Telangana during 17th -21st May.
- ❖ **Warm Night conditions** in isolated pockets likely to prevail over West Rajasthan on 17th & 18th May.

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 17th May to 22nd May, 2026:

Bay of Bengal:

- ❖ Over Gulf of Mannar, Comorin area, many parts of south Bay of Bengal, few parts of eastcentral & westcentral Bay of Bengal during 17th to 20th May; Over Gulf of Mannar, Comorin area, many parts of south Bay of Bengal, some parts of eastcentral & westcentral Bay of Bengal during 20th to 22nd May.
- ❖ Over Andaman Sea during 17th to 22nd May.

Arabian Sea:

- ❖ Along and off Keralam, Karnataka coasts, over Lakshadweep, adjoining Maldives areas during 17th to 19th May.
- ❖ Along and off Somalia coast, adjoining southwest Arabian Sea on 18th May and during 20 to 22nd May.

Weather conditions and forecast over Delhi/NCR during 17th -20th May, 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):

- ❖ **Sub-Himalayan West Bengal & Sikkim:** Indong T.e. (dist Jalpaiguri) 14, Hilla T.e. (dist Jalpaiguri) 13, Zurrantee T.e (dist Jalpaiguri) 11, Chalouni Tea Estate (dist Jalpaiguri) 10, Singhik (dist Mangan) 9, Dalgaon Tea Estate (dist Alipurduar) 9, Singimari (dist Cooch Behar) 8, Balurghat (dist South Dinajpur) 8, Kurti T.e. (dist Jalpaiguri) 8, Fagu Tea Estate (dist Jalpaiguri) 8, Bhagatpur Tea Estate (dist Jalpaiguri) 8, Moraghat Tea Estate (dist Jalpaiguri) 7, Tra Nagrakata (dist Jalpaiguri) 7, Ghatia T.e. (dist Jalpaiguri) 7;
- ❖ **Kerala & Mahe:** Kayamkulam_agri (Alappuzha district) 11, Cherthala (Alappuzha district) 7;
- ❖ **Odisha:** Sundergarh 9;
- ❖ **Coastal Karnataka:** Mulki (dist Dakshina Kannada) 7;
- ❖ **Tamil Nadu:** Suthamalli Dam (dist Ariyalur), Navalur Kottapattu (dist Thiruchirappalli) 7 each,

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

- ❖ **Tamil Nadu & Puducherry:** Natham_ISRO (Dindigul) 70; Neyveli (Cuddalore) 43;
- ❖ **Chhattisgarh:** Raipur 61;
- ❖ **Andaman and Nicobar Islands:** Sri Vijayapuram 60;
- ❖ **Uttarakhand:** Chamoli 56; Mukteshwar 41; Kosiyakutoli 37; Jollygrant 37; Ranikhet 31; Ranichauri 31; Matella/Champawat/Pantnagar AMFU 30;
- ❖ **Odisha:** Rourkela 50;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Uttar Dinajpur 48;
- ❖ **Saurashtra-Kutch:** Junagadh 46; Kandla 43;
- ❖ **East Madhya Pradesh:** Anuppur 46;
- ❖ **Assam & Meghalaya:** Manas 46; Guwahati 43; HRS_Kahikuchi 41; Gauhati University 39; Tura 39; VCBC_Rani 35; Jowai 35;
- ❖ **Madhya Maharashtra:** Sangola (Solapur) 41; Vilholi (Nashik) 39; Jalgaon 35;
- ❖ **Marathwada:** Ambejogai (Beed) 41; Latur 35;
- ❖ **Haryana:** Karnal 41; Jind 39;
- ❖ **Bihar:** Arwal 41;
- ❖ **Punjab:** Sangrur 39;
- ❖ **Gujarat Region:** Arnej (Ahmedabad) 39;
- ❖ **Vidarbha:** Wardha 37;
- ❖ **Konkan and Goa:** Devgad (Sindhudurg) 37; Karjat (Raigad) 35;
- ❖ **West Madhya Pradesh:** Sehore 37;

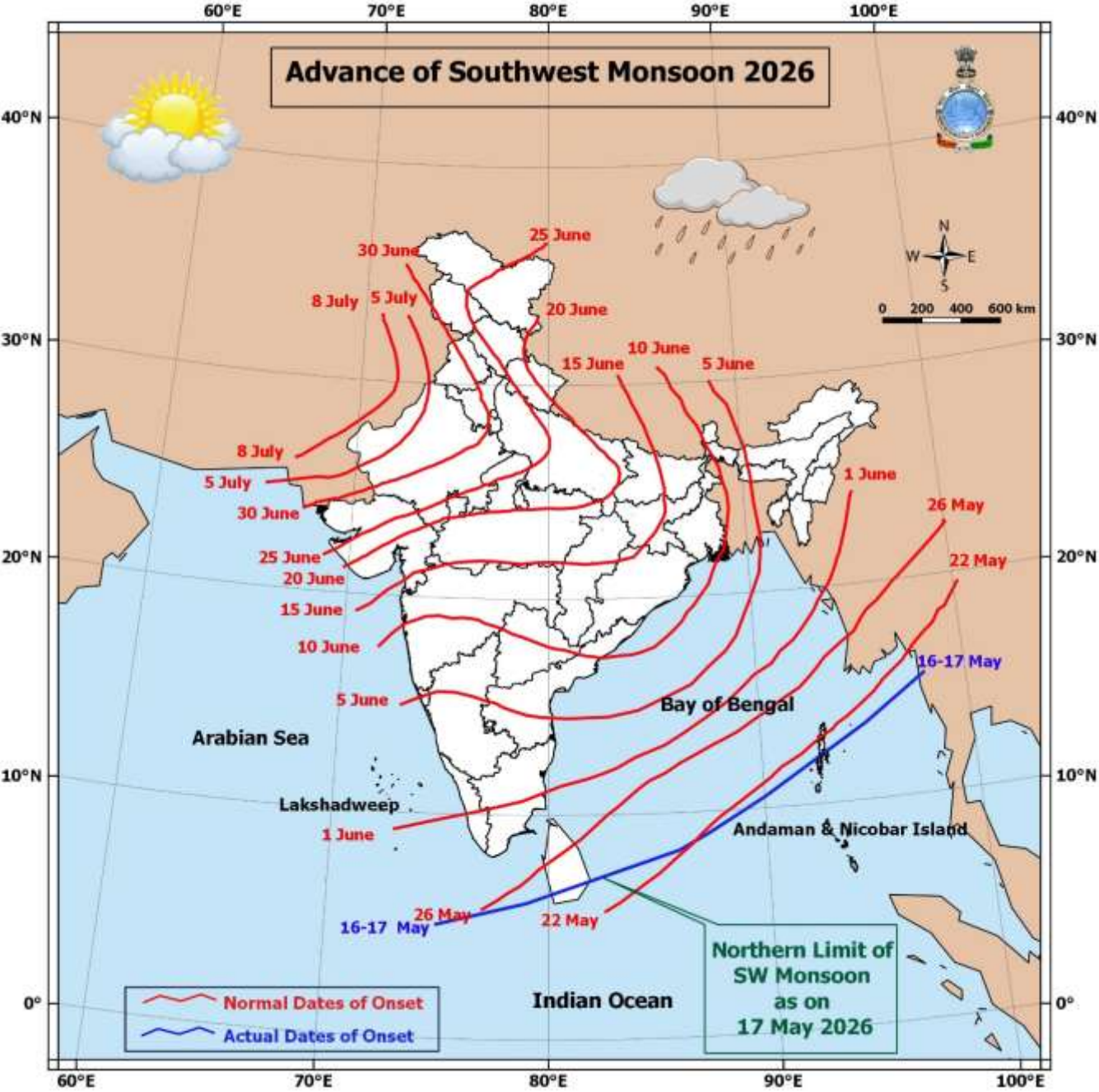
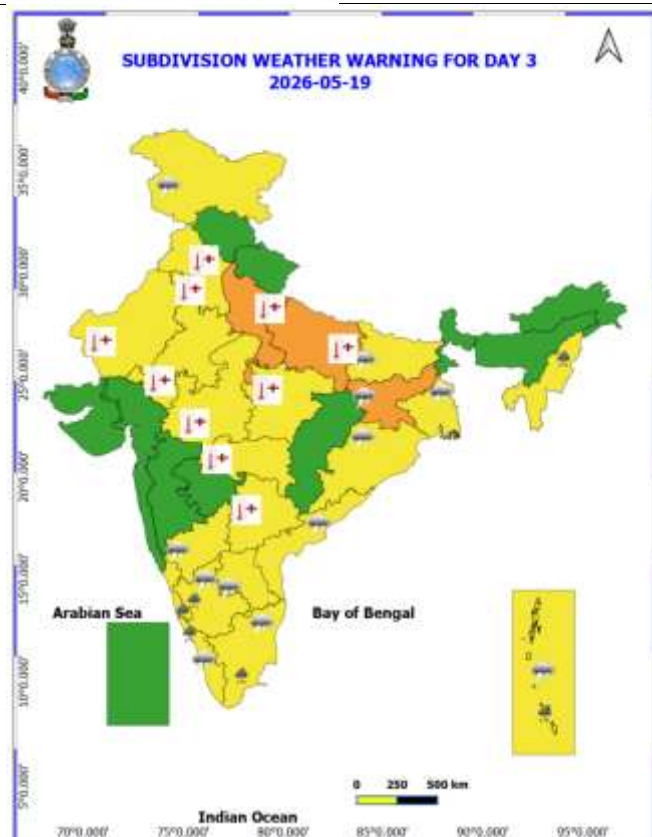
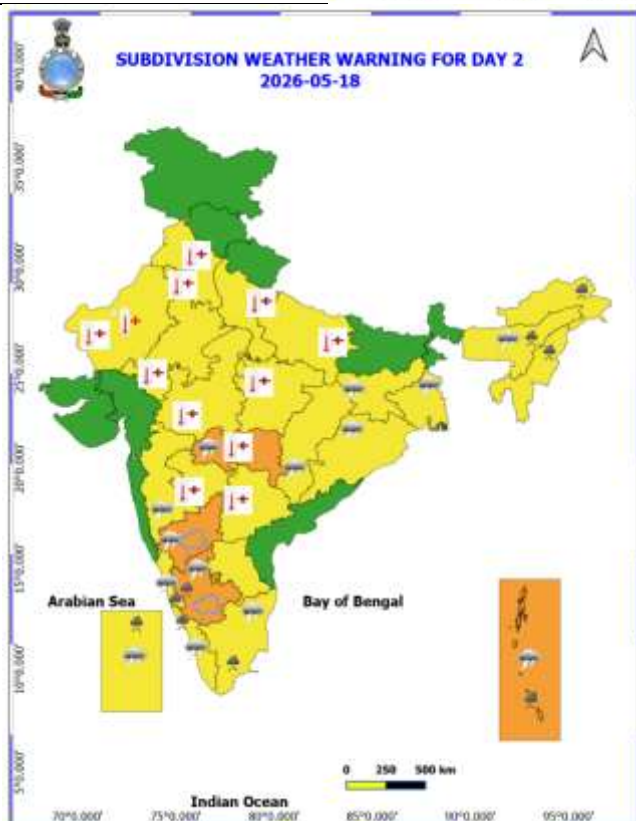
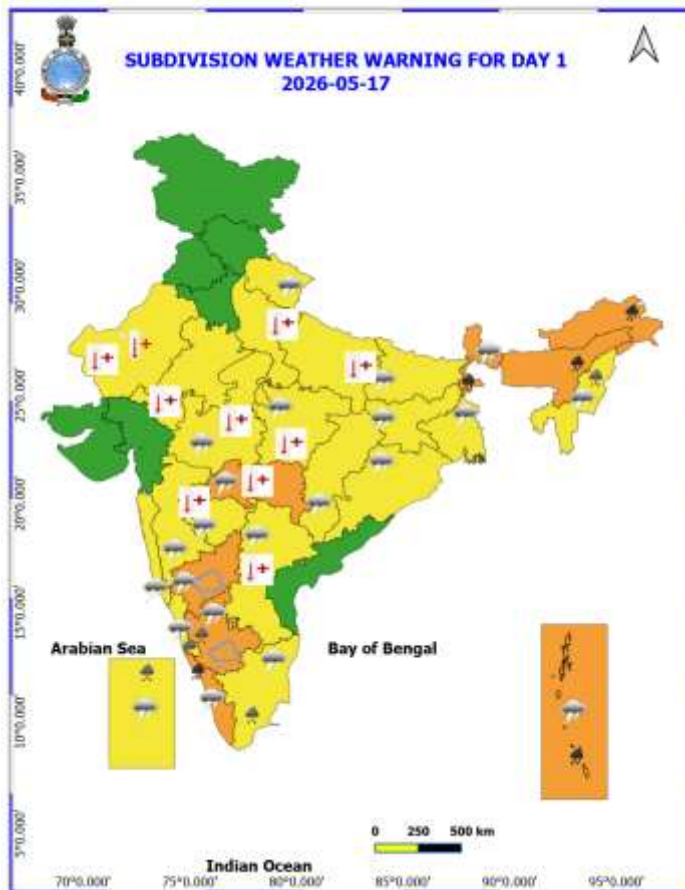
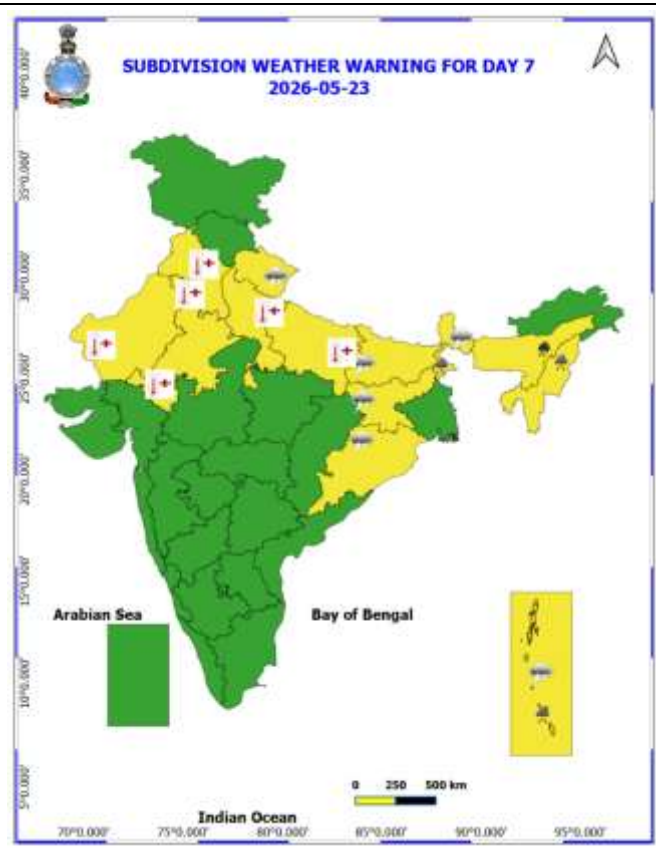
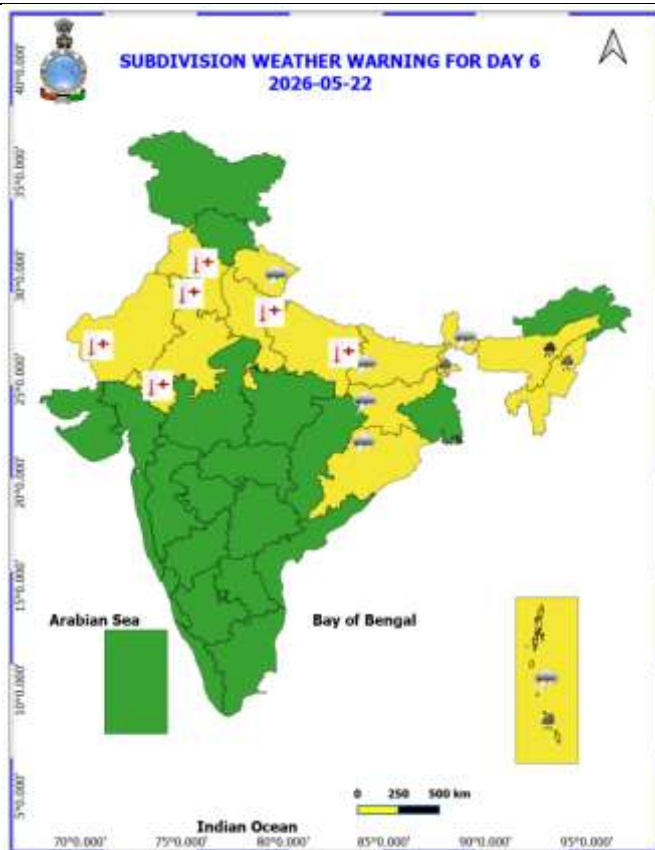
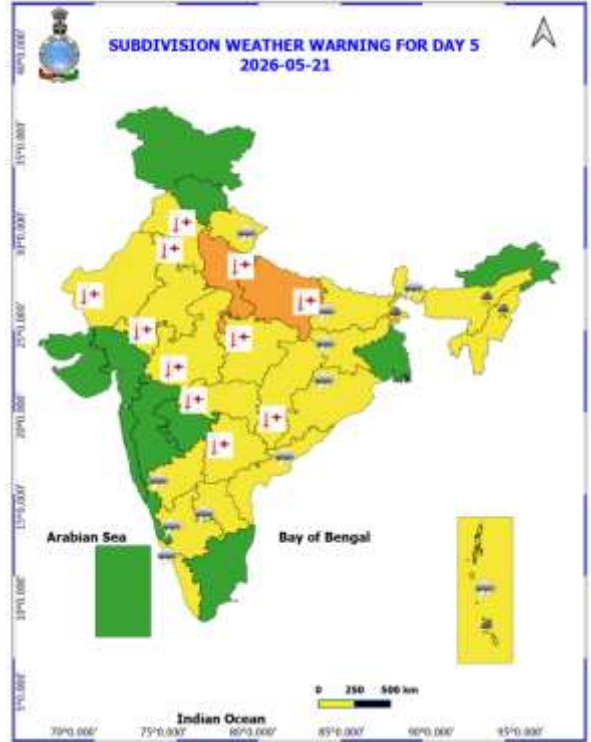
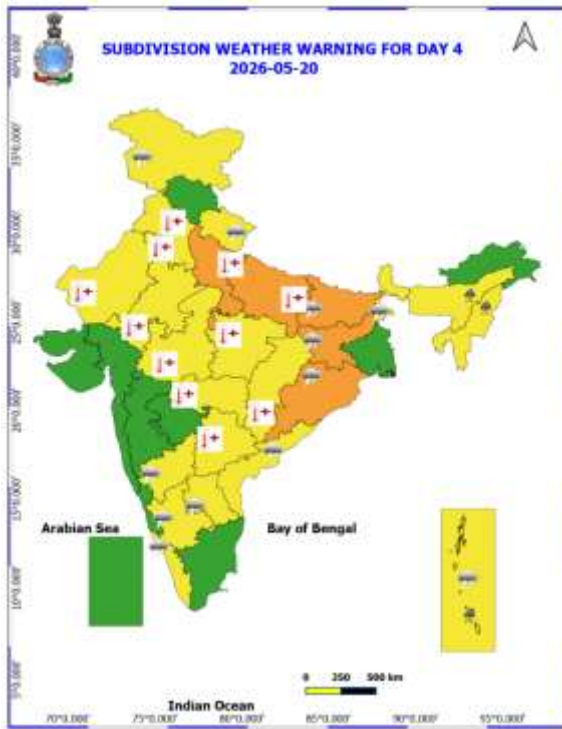


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	17- May	18- May	19- May	20- May	21- May	22- May	23- May
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	WS	FWS	SCT	SCT	SCT	WS	WS
3	ASSAM & MEHGHALAYA	WS	FWS	SCT	SCT	FWS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

There has been a rise of 1-2°C in maximum temperatures and a fall of 1-2°C in minimum temperatures over Delhi in the past 24 hours. The maximum and minimum temperatures were reported in the range of 41-42°C and 25-27°C, respectively, during the past 24 hours over Delhi. The minimum temperatures are normal (-1.5°C to 1.5°C) at most places over Delhi. The maximum temperatures were above normal (1.6°C to 3.0°C) at isolated places and normal (-1.5°C to 1.5°C) at the remaining parts over Delhi. Mainly clear sky with north-westerly winds at 15-25 kmph gusting to 40 kmph prevailed over Delhi during the past 24 hours. Mainly clear sky with surface wind speeds up to 15 kmph likely to prevail from the northwest direction over the region in the forenoon today.

Weather Forecast:

17.05.2026: Mainly clear sky, becoming partly cloudy sky. Possibility of thundery development towards the afternoon/evening. Sustained strong surface wind speeds reaching 20-30 kmph occasionally gusting to 40 kmph during the day. The maximum temperatures over Delhi are likely to be in the range of 42°C to 44°C. The predominant surface wind is likely to be from the west direction with surface wind speed reaching up to 25 kmph during the afternoon hours. The wind speed will decrease and become less than 20 kmph from the west direction during the evening and night.

18.05.2026: Mainly clear sky. Sustained strong surface wind speeds reaching 20-30 kmph occasionally gusting to 40 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 43°C to 45°C and 25°C to 27°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and maximum temperatures will be above normal (3.0°C to 5.0°C) at most places over Delhi. The predominant surface wind is likely to be from a northwest direction with surface wind speed reaching up to 20 kmph during the morning hours. The wind speed will increase slightly and become less than 25 kmph from the west direction during the afternoon hours. The wind speed will be less than 20 kmph from the west direction during the evening and night.

19.05.2026: Mainly clear sky. Sustained strong surface wind speeds reaching 20-30 kmph occasionally gusting to 40 kmph during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 43°C to 45°C and 27°C to 29°C respectively. The minimum temperature will be above normal (1.5°C to 3.0°C) at most places, and the maximum temperature will be above normal (3.0°C to 5.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind reaching up to 20 kmph during the morning hours. The same winds continue to prevail during the day and night.

20.05.2026: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 43°C to 45°C and 26°C to 28°C respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and the maximum temperature will be above normal (3.0°C to 5.0°C) over Delhi. The predominant surface wind is likely to be from the west direction with wind reaching up to 25 kmph during the morning hours. The same winds continue to prevail during the day and night.

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

- ❖ **Hailstorm activity likely** at isolated places over Interior Karnataka on 17th & 18th May.

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 on 17th & 18th; Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya during 17th-23rd; Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka, Kerala & Mahe during 17th -19th; Lakshadweep on 17th & 18th ; Andaman & Nicobar Islands during the week; Sub-Himalayan West Bengal & Sikkim on 17th & during 21st -23rd; May with isolated **very heavy rainfall** over Arunachal Pradesh on 17th; Assam & Meghalaya on 17th, 22nd & 23rd ; Kerala & Mahe on 17th ; Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim on 17th May.

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/ severe heat wave conditions:

- ❖ **Heat wave conditions** in isolated pockets likely to prevail over Rajasthan during 17th -23rd; Punjab, Haryana Chandigarh & Delhi during 18th -23rd; Madhya Pradesh & Vidarbha during 17th -21st; Chhattisgarh on 20th & 21st May.
- ❖ **Heat wave conditions** in isolated/ some pockets likely to prevail over Uttar Pradesh during 17th -23rd with **severe heat wave conditions** in isolated/ some pockets over Uttar Pradesh during 19th -23rd May.
- ❖ **Heat wave conditions** in isolated pockets likely to prevail over Telangana during 17th -21st May.
- ❖ **Warm Night conditions** in isolated pockets likely to prevail over West Rajasthan on 17th & 18th May.

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 **Interior Karnataka**, 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**, ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards. Keep the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places.
- In **Assam**, drain out excess rainwater to avoid water stagnation in the crop fields. Prioritise immediate harvesting of the mature crops and move the produce to a dry, covered warehouse during clear weather conditions. Provide mechanical support for tall crops (like banana or sugarcane) and young saplings by using bamboo sticks or poles.
- In **Meghalaya**, drain out excess rainwater from maize, ginger, vegetables and orchards. Provide staking/bamboo support to tomato plants to prevent lodging.
- In **Sub-Himalayan West Bengal**, maintain proper drainage channels in the ginger, tomato, maize, bitter gourd and Dalle Khorsani fields. Provide staking to tomato, Dalley Khorsani seedlings. Harvest mature crops at the earliest and store them safely in dry places. Protect nurseries and young seedlings against heavy rainfall with temporary covers.
- In **Andaman & Nicobar Islands**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **Keralam**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants.
- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.
- In **South Interior Karnataka**, ensure proper drainage in paddy fields, arecanut and mango orchards.
- **Lakshadweep**, postpone irrigation, intercultural operations and application of plant protection measures & fertilizers to the standing crops. Provide adequate drainage in standing-crop fields to prevent waterlogging.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Punjab**, apply light and frequent irrigation to vegetable, moong fruit plants orchards and onion nurseries.
- In **Haryana**, maintain adequate irrigation in standing sugarcane, cotton and summer fodder crops. Complete paddy nursery preparation with assured irrigation facilities and adopt mulching/moisture conservation practices to reduce water stress in newly sown crops

- In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops such as bottle gourd, pumpkin, ridge gourd, cucumber, bitter melon, and summer ladyfinger, as well as to young fruit plants such as mango, amla, pomegranate, wood apple, and plum. Undertake soil mulching/mulching with straw/polythene to reduce water loss by evaporation.
- In **Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **Maharashtra**, in **Marathwada**, apply irrigation in summer groundnut, maize, vegetables and orchards as per requirement, undertake mulching in vegetables and orchards. In **Vidarbha**, irrigate sugarcane, summer groundnut, vegetables, and orchards as required; use organic or straw mulch in vegetables and orchards; cover banana bunches with leaves; and use shade nets in newly planted banana plantations.
- In **Uttar Pradesh**, provide frequent irrigation and mulching for standing crops such as maize, green gram, black gram, sugarcane, sunflower, vegetables, and fruit plants such as mango, banana, and papaya.
- In **Telangana**, irrigate vegetable crops in the morning or evening, depending on the soil type.

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 hailstorms/ heavy rainfall and provide them with 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.
- Coastal states (especially Tamil Nadu and Kerala), fishermen are advised not to venture into sea.

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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