



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release  
Date: 16<sup>th</sup> October 2026  
Time of Issue: 1230 hours IST

**Subject: The Wet spell with heavy falls is likely to continue over south peninsular India till 22<sup>nd</sup> October, 2026.**

**Realized weather during past 24 hours ending at 0830 hours IST of today, the 16<sup>th</sup> October, 2026:**

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Tamil Nadu and Coastal Karnataka.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Chhattisgarh, Keralam and South Interior Karnataka.

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

- ❖ The **Western Disturbance** as a cyclonic circulation lies over north Punjab & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over south Haryana & adjoining north Rajasthan in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over south Rajasthan & adjoining north Gujarat in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over north Haryana & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Tamil Nadu in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over South Coastal Andhra Pradesh & neighbourhood in lower tropospheric levels.
- ❖ A **trough** runs from the above cyclonic circulation of over south coastal Andhra Pradesh & neighbourhood to northwest Bay of Bengal in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over northern parts of Lakshadweep & neighbourhood in middle tropospheric levels.

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

**South Peninsular India:**

- ❖ **Fairly Widespread to Widespread** rainfall likely over Coastal Karnataka, Kerala & Mahe, Lakshadweep, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 16th-22nd October; North Interior Karnataka on 19th October.
- ❖ **Isolated to Scattered** rainfall likely over North Interior Karnataka during 16th-18th October and during 20th-22nd October; Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana during 16th-22nd October.
- ❖ **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 16th-22nd October; Kerala & Mahe and Lakshadweep on 16th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 17th-18th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 17th-20th October; North Interior Karnataka and South Interior Karnataka during 16th-18th October; Coastal Andhra Pradesh & Yanam and Rayalaseema on 16th October; Telangana during 16th-20th October.
- ❖ **Isolated thunderstorm & lightning** likely over Coastal Karnataka during 16th-18th October.
- ❖ **Isolated heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal during 21st-22nd October; Kerala & Mahe during 16th-22nd October; Lakshadweep during 20th-22nd October; Coastal Karnataka during 17th-19th October; North Interior Karnataka on 16th October; South Interior Karnataka during 18th-22nd October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 16th-18th October with isolated **very heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal during 16th-20th October; Coastal Karnataka on 16th October; South Interior Karnataka during 16th-17th October.
- ❖ **Strong Surface Winds** likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 16th-18th October.

### Northwest India:

- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 16th-18th October and during 21st-22nd October; Himachal Pradesh on 16th October; Uttarakhand during 16th-18th October.
- ❖ **Isolated to Scattered** rainfall likely over East Uttar Pradesh, Haryana Chandigarh & Delhi, West Rajasthan and West Uttar Pradesh on 16th October; East Rajasthan during 16th-17th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Uttarakhand on 16th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over West Uttar Pradesh on 16th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Rajasthan on 16th October.
- ❖ Isolated **Hailstorm** activity likely over West Uttar Pradesh on 16th October.

### West, Central, East & Northeast India:

- ❖ **No significant weather** likely over West, Central, East & Northeast India during the week.

### Heat Wave, Hot & Humid weather and Warm Night conditions warning:

- ❖ **Hot and humid** weather conditions likely to prevail over Konkan & Goa on 16th October.

### Weather conditions and forecast over Delhi/NCR during next 4 days (Annexure III)

For more details, kindly refer National Weather Bulletin:

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

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

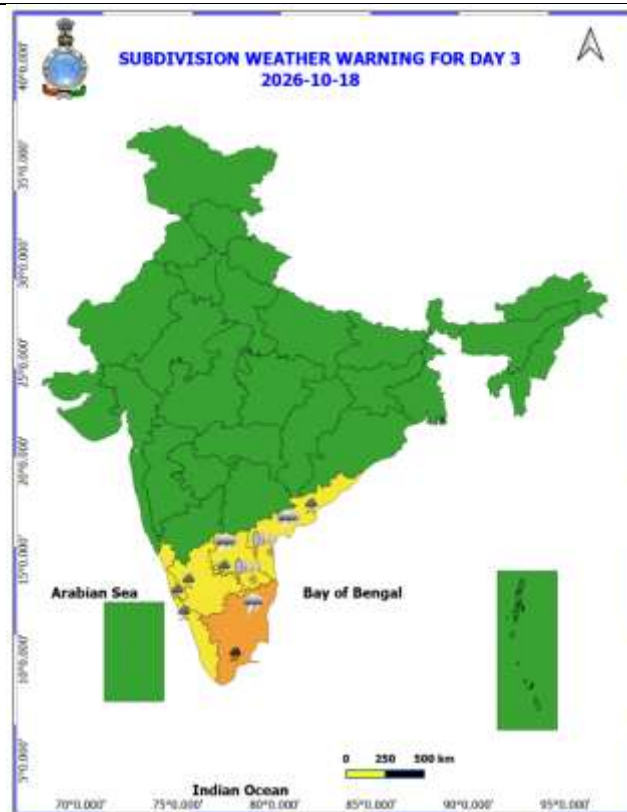
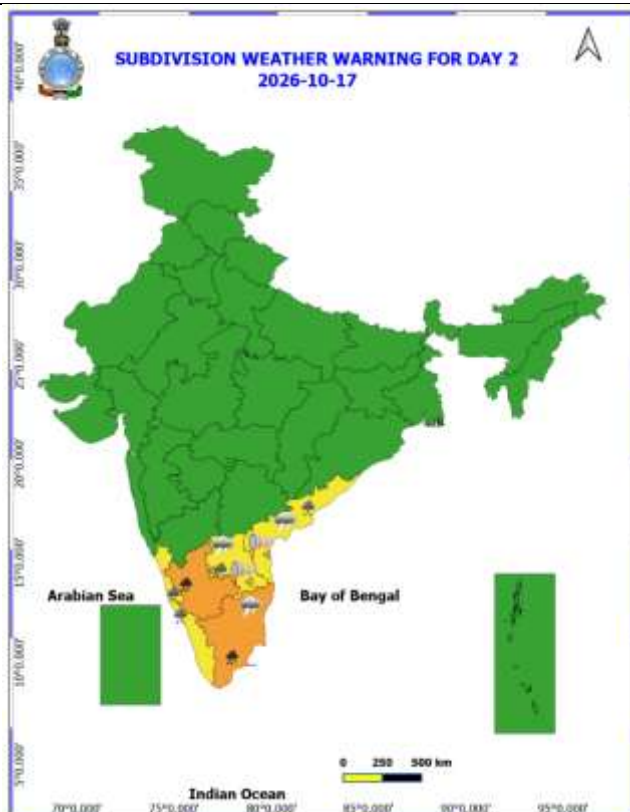
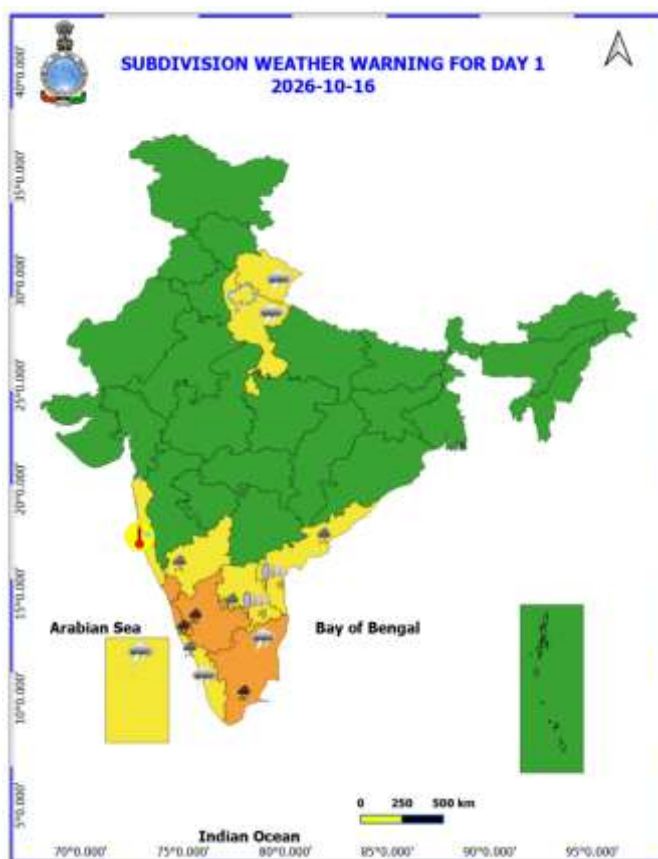
For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

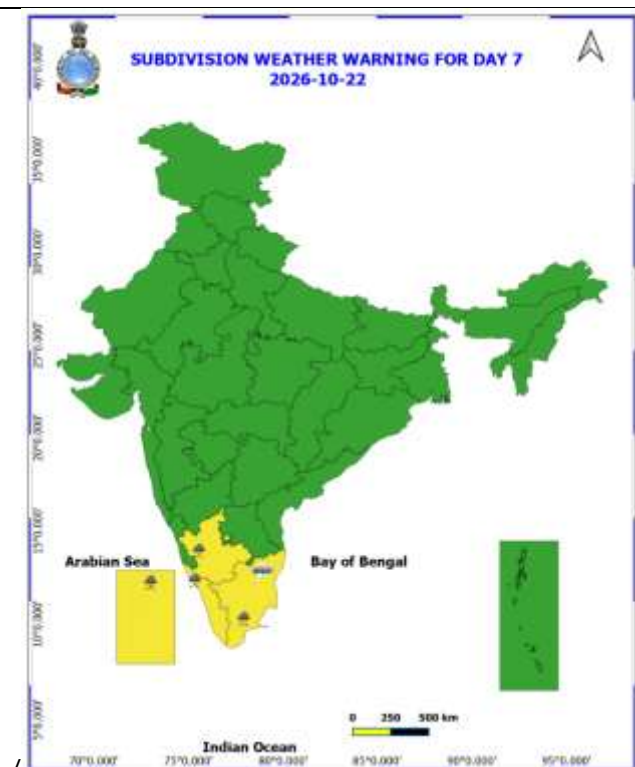
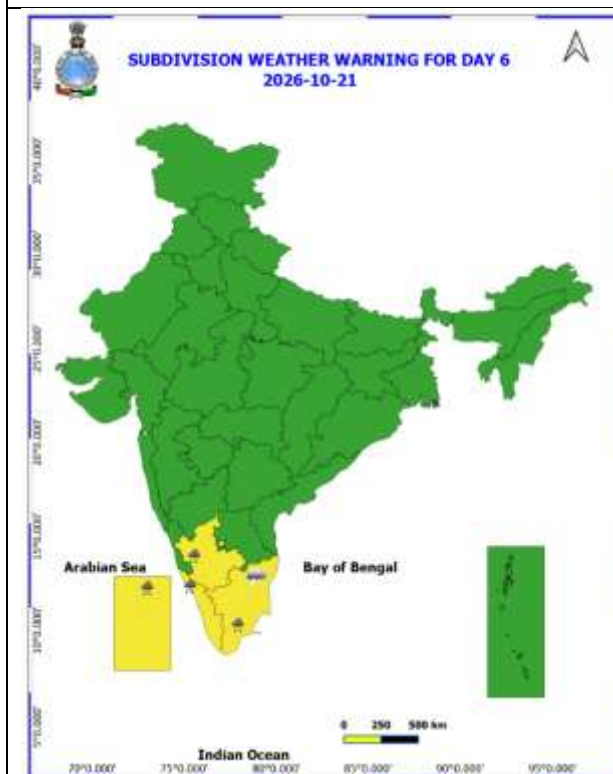
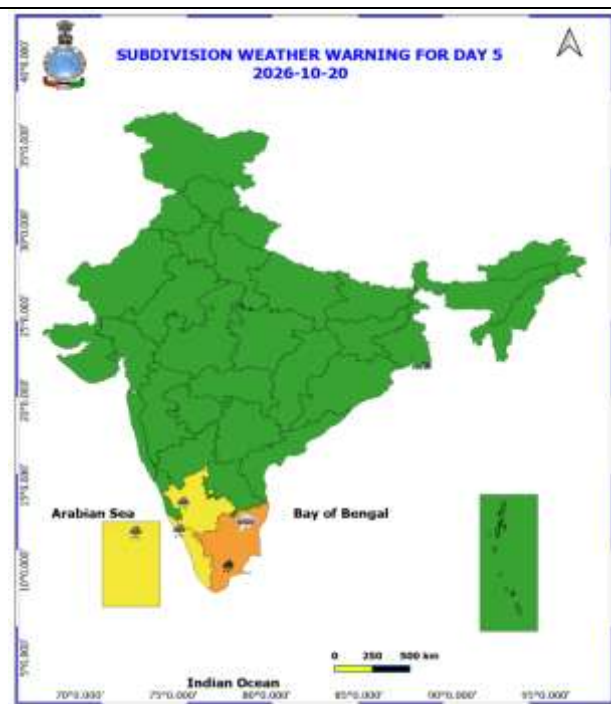
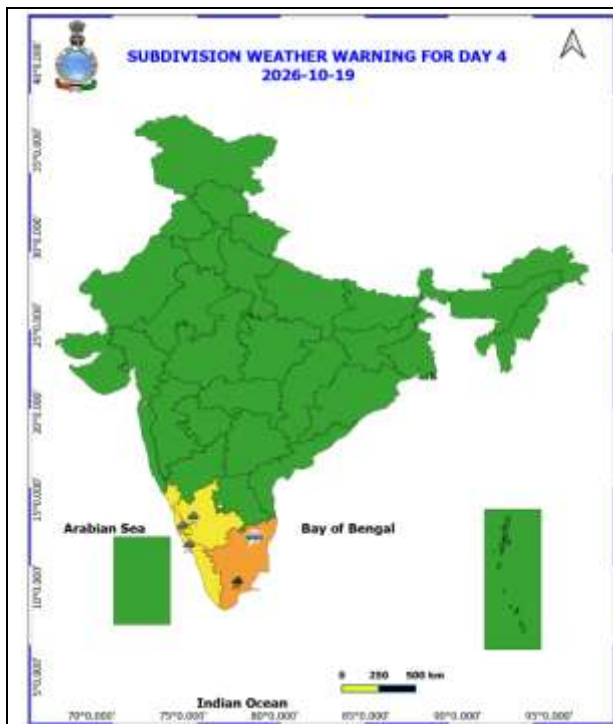
### Highest rainfall recorded ( $\geq 7$ cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

- ❖ **Tamil Nadu:** Adayamadai(Kanyakumari) 18
- ❖ **Coastal Karnataka:** Belthangadi (dist Dakshina Kannada) 12
- ❖ **Keralam:** Palakkad (Palakkad Dist) 10
- ❖ **South Interior Karnataka:** Kottigehara (dist Chikkamagaluru) 10
- ❖ **Chhattisgarh:** Sukma 9.

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

There has been fall in maximum temperatures by 4-5°C and fall in minimum temperatures by 3-4°C over Delhi during the past 24 hours. The maximum temperatures were in the range of 27-28°C and the minimum temperatures are in the range 18-19°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 -3.0°C) at a few places, and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. The maximum temperatures were markedly below normal (-5.1°C or less) at most places and appreciably below normal (-3.1°C to -5.0°C) at isolated places over Delhi. Light rain at most places with moderate rain at isolated places has been occurred over Delhi during past 24 hours. Generally cloudy sky with surface wind speed 25 kmph gusting to 45 kmph from the northeast direction prevailed over Delhi during past 24 hours. Generally cloudy sky with surface wind speeds up to 15 kmph from the southeast direction likely to prevail during forenoon over the region today.

**Weather Forecast:**

**16.10.2026** Generally cloudy sky becoming partly cloudy sky from afternoon. The maximum temperatures over Delhi are likely to be in the range of 29-31°C. The maximum temperatures will be below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the east direction with surface wind speed reaching up to 15 kmph during the afternoon. The surface wind speed will decrease coming up to 12 kmph from the northeast direction during evening and night hours.

**17.10.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 19°C to 21°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the east direction with wind speed reaching up to 18 kmph during the morning hours. The surface wind speed will decrease becoming up to 15 kmph from the northeast direction during afternoon. The surface wind speed will decrease becoming up to 12 kmph from the northeast direction during evening and night hours.

**18.10.2026:** Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 19°C to 21°C, respectively. The minimum temperature will be above normal (1.6°C to 3.0°C) at most places, and 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 northeast direction with wind speed reaching up to 12 kmph during the morning hours. The surface wind speed will increase becoming up to 22 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from the northwest direction during evening and night hours.

**19.10.2026:** Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 18°C to 20°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with wind speed reaching up to 10 kmph during the morning hours. The surface wind speed will increase becoming up to 20 kmph from the northwest direction during afternoon. The surface wind speed will decrease becoming up to 15 kmph from northwest direction during evening and night hours.

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

- ❖ **Isolated Hailstorm activity likely over West Uttar Pradesh on 16th October.**

### **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 and Action Suggested due to very heavy/ extremely heavy rainfall:**

- ❖ **Isolated heavy rainfall likely over Tamil Nadu, Puducherry & Karaikal during 21st-22nd October; Kerala & Mahe during 16th-22nd October; Lakshadweep during 20th-22nd October; Coastal Karnataka during 17th-19th October; North Interior Karnataka on 16th October; South Interior Karnataka during 18th-22nd October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 16th-18th October.**
- ❖ **Isolated very heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal during 16th-20th October; Coastal Karnataka on 16th October; South Interior Karnataka during 16th-17th October.**

### **Impact expected:**

- ❖ Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds and rain.
- ❖ Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- ❖ Loose objects may fly.
- ❖ Small ships, trawlers and boats may be affected.
- ❖ Road and rail traffic may be affected due to heavy rain and squally winds.
- ❖ There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Helicopter services may get affected.

### **Action suggested:**

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Onshore and offshore activities to be judiciously regulated.
- ❖ Helicopter services to be regulated.

### Agromet advisories for likely impact of Heavy Rainfall

- In **Tamil Nadu**, drain out excess rain water from rice nurseries and standing rice fields, as well as cotton, maize, groundnut and vegetable fields. Keep the harvested produce at safer places. Provide propping in banana, sugarcane and adequate support for crops like papaya and moringa to prevent from lodging.
- In **Keralam**, harvest matured rice crop during clear weather and keep the produce in safe and dry places. Ensure effective drainage in rice, banana, coconut, black pepper, ginger, turmeric and vegetable fields, with priority to low-lying and waterlogged areas.
- In **Karnataka**, maintain proper drainage in standing crop fields. Harvest mature green gram, black gram and soybean wherever conditions permit and shift the produce to covered and safe places.
- In **Coastal Andhra Pradesh** and **Rayalseema**, maintain proper drainage to drain out excess rain water from rice, maize, finger millet, groundnut, red gram, sugarcane, vegetables and fruit orchards. Keep the harvested produce of maize in a safe and dry place. Provide strong support to fruit-bearing banana plants and propping in sugarcane.

### Agromet advisories for likely impact of Hailstorm

- In **West Uttar Pradesh**, use hail nets or caps in fruit orchards and vegetable fields to protect crops from mechanical damage.

### 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.

### Advisories for likely impact of Heavy Rainfall or 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.
- 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.

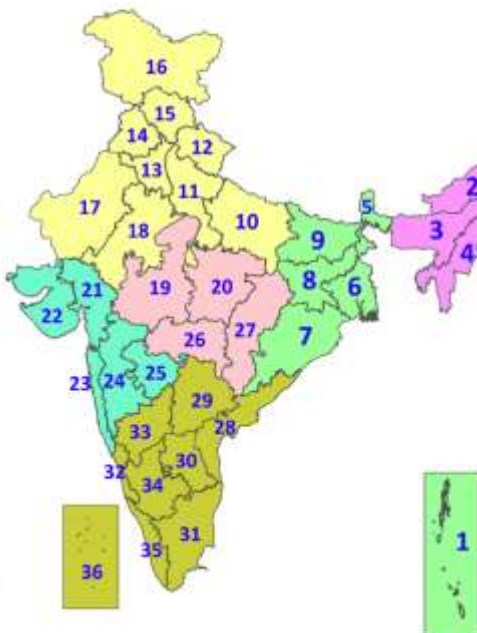
**Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

**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                          |

## DEFINITION/CRITERIA

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rain/ Snow *</b>    | <b>Heavy:</b> 64.5 to 115.5 mm/cm *<br><b>Very Heavy:</b> 115.6 to 204.4 mm/cm *<br><b>Extremely Heavy:</b> > 204.4 mm/cm *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Heat Wave</b>       | <p>When maximum temperature of a station reaches <math>\geq 40^{\circ}\text{C}</math> for plains and <math>\geq 30^{\circ}\text{C}</math> for hilly regions</p> <p>(a) Based on Departure from normal</p> <p>Heat Wave: Maximum Temperature Departure from normal <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p>Severe Heat Wave: Maximum Temperature Departure from normal <math>\geq 6.5^{\circ}\text{C}</math></p> <p>(b). Based on Actual maximum temperature</p> <p>Heat Wave: When actual maximum temperature <math>\geq 45^{\circ}\text{C}</math>.</p> <p>Severe Heat Wave: When actual maximum temperature <math>\geq 47^{\circ}\text{C}</math>.</p> <p>(c). Criteria for heat wave for coastal stations</p> <p>When maximum temperature departure is <math>&gt; 4.5^{\circ}\text{C}</math> from normal. Heat Wave may be described provided maximum temperature <math>\geq 37^{\circ}\text{C}</math></p> |
| <b>Warm Night</b>      | <p>When maximum temperature remains <math>40^{\circ}\text{C}</math></p> <p>Warm Night: When minimum temperature departure <math>4.5^{\circ}\text{C}</math> to <math>6.4^{\circ}\text{C}</math>.</p> <p>Severe Warm Night: When minimum temperature departure <math>&gt; 6.4^{\circ}\text{C}</math>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cold Wave</b>       | <p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions.</p> <p>(a). Based on departure</p> <p>Cold Wave: Minimum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p> <p>(b) Based on actual Minimum Temperature (for Plains only)</p> <p>Cold Wave : When Minimum Temperature is <math>\leq 4.0^{\circ}\text{C}</math></p> <p>Severe Cold Wave: When Minimum Temperature is <math>\leq 2.0^{\circ}\text{C}</math></p> <p>(c) For Coastal Stations</p> <p>When Minimum Temperature departure is <math>\leq -4.5^{\circ}\text{C}</math> &amp; actual Minimum Temperature is <math>\leq 15^{\circ}\text{C}</math></p>                                                               |
| <b>Cold Day</b>        | <p>When minimum temperature of a station <math>\leq 10^{\circ}\text{C}</math> for plains and <math>\leq 0^{\circ}\text{C}</math> for hilly regions</p> <p>Based on departure</p> <p>Cold Day: Maximum Temperature Departure from normal <math>-4.5^{\circ}\text{C}</math> to <math>-6.4^{\circ}\text{C}</math>.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal <math>\leq -6.5^{\circ}\text{C}</math></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Fog</b>             | <p>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></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 <math>&lt; 50</math> metres</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Thunderstorm</b>    | Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Dust/Sand Storm</b> | An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Frost</b>           | <p>Ice deposits on ground</p> <p>Air temperature <math>\leq 4^{\circ}\text{C}</math> ( over Plains)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Squall</b>          | <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 62-87 kmph</p> <p>Very Severe: Wind speed <math>&gt; 87</math> kmph</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Sea State</b>       | <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) &amp; Wave height 2.5-6 metre</p> <p>High to very high: Wind speed 63-117 kmph ( 34-63 knots) &amp; Wave height 6-14 metre</p> <p>Phenomenal: Wind speed <math>&gt; 117</math> kmph (<math>&gt; 63</math> knots) &amp; Wave height <math>&gt; 14</math> metre</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cyclone</b>         | <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 118-185 kmph (64 - 89 knots)</p> <p>Extremely Severe Cyclonic Storm: Wind speed 186-220 kmph (90 -119 knots)</p> <p>Super Cyclone Strom: Wind speed <math>&gt; 220</math> kmph (<math>&gt; 119</math> knots)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

\* 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

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