



Government of India  
Ministry of Earth Sciences  
India Meteorological Department



Press Release  
Date: 06<sup>th</sup> October 2026  
Time of Issue: 1325 hours IST

**Subject: (i) Under the influence of a Western Disturbance, scattered/fairly widely spread light to moderate rainfall/snowfall is likely over Western Himalayan Region and light rainfall over adjoining plains of northwest India till 10<sup>th</sup> October, 2026.**

**(ii) Isolated heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim on 8<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal on 6<sup>th</sup> October and during 8<sup>th</sup>-10<sup>th</sup> October; Kerala & Mahe on 6<sup>th</sup> October and during 9<sup>th</sup>-10<sup>th</sup> October; South Interior Karnataka on 6<sup>th</sup> October., 2026.**

**Realised weather during past 24 hours ending at 0830 hours IST of today, the 06<sup>th</sup> October, 2026:**

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Tamil Nadu
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Sub-Himalayan West Bengal & Sikkim, Kerala, South Interior Karnataka, Rayalaseema, Bihar

**Withdrawal of southwest Monsoon (Annexure I):**

- ❖ The **line of withdrawal of Southwest Monsoon** continues to pass through 27.5°N/86.5°E, Supaul, Ranchi, Raipur, Brahmapuri, Parbhani, Baramati, Harnai and 17.5°N/71.8°E.

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

- ❖ The Western **Disturbance** as a trough in middle & upper tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 68°E to the north of Lat. 32°N persists.
- ❖ An **upper air cyclonic circulation** lies over South Haryana; another over southeast Uttar Pradesh and a trough runs from southeast Uttar Pradesh to north Bay of Bengal in the lower tropospheric levels.
- ❖ An upper **air cyclonic circulation** lies over south coastal Odisha & adjoining Northwest Bay of Bengal in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Southeast Arabian Sea off south Kerala coast in middle tropospheric level.
- ❖ An upper **air cyclonic circulation** lies over north Tamil Nadu in middle tropospheric level.
- ❖ A **trough** from Gulf of Mannar to Madhya Maharashtra in lower tropospheric level.

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

**Northwest India:**

- ❖ **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 6<sup>th</sup> October.
- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 7<sup>th</sup>-12<sup>th</sup> October; Himachal Pradesh and Uttarakhand during 6<sup>th</sup>-12<sup>th</sup> October.
- ❖ **Isolated to Scattered** rainfall likely over Haryana Chandigarh & Delhi and Punjab during 6<sup>th</sup>-12<sup>th</sup> October; West Uttar Pradesh during 6<sup>th</sup>-9<sup>th</sup> October; East Uttar Pradesh during 6<sup>th</sup>-10<sup>th</sup> October; West Rajasthan during 11<sup>th</sup>-12<sup>th</sup> October; East Rajasthan on 12<sup>th</sup> October.
- ❖ 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 6<sup>th</sup>-7<sup>th</sup> October; Uttarakhand on 6<sup>th</sup> October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Himachal Pradesh during 8<sup>th</sup>-9<sup>th</sup> October; Uttarakhand during 7<sup>th</sup>-10<sup>th</sup> October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi, Punjab and West Uttar Pradesh during 6<sup>th</sup>-7<sup>th</sup> October; East Uttar Pradesh during 6<sup>th</sup>-8<sup>th</sup> October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Haryana Chandigarh & Delhi and Punjab during 8<sup>th</sup>-9<sup>th</sup> October.
- ❖ Isolated **thunderstorm & lightning** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 8<sup>th</sup>-10<sup>th</sup> October; West Uttar Pradesh on 8<sup>th</sup> October.
- ❖ There is a possibility of isolated heavy rainfall over southeast Uttar Pradesh on 06<sup>th</sup> October.

### Central India:

- ❖ **Isolated to Scattered** rainfall likely over East Madhya Pradesh during 6th-9th October; Vidarbha on 6th October; Chhattisgarh during 6th-10th October.
- ❖ Isolated **thunderstorm & lightning** likely over East Madhya Pradesh during 6th-7th October; Vidarbha on 6th October; Chhattisgarh during 6th-8th October.
- ❖ There is a possibility of isolated heavy rainfall over northeast Madhya Pradesh on 06<sup>th</sup> October.

### East India:

- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 6th-9th October; Sub-Himalayan West Bengal & Sikkim on 6th October and during 9th-11th October; Gangetic West Bengal during 6th-7th October and during 9th-10th October; Bihar and Jharkhand during 6th-10th October; Odisha during 6th-12th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 10th-12th October; Sub-Himalayan West Bengal & Sikkim during 7th-8th October; Gangetic West Bengal on 8th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Bihar during 6th-7th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Jharkhand and Sub-Himalayan West Bengal & Sikkim during 6th-9th October; Gangetic West Bengal and Odisha during 6th-8th October; Bihar during 8th-9th October.
- ❖ Isolated **thunderstorm & lightning** likely over Andaman & Nicobar Islands during 6th-7th October.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 8th October.

### Northeast India:

- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 6th-11th October; Assam & Meghalaya during 6th-10th October; Nagaland, Manipur, Mizoram & Tripura during 6th-12th October.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya on 6th October; Nagaland, Manipur, Mizoram & Tripura during 6th-7th October.

### West India:

- ❖ **Isolated to Scattered** rainfall likely over Konkan & Goa and Madhya Maharashtra during 6th-7th October.
- ❖ Isolated **thunderstorm & lightning** likely over Konkan & Goa and Madhya Maharashtra on 6th October.

### South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Rayalaseema, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 6th-12th October; Kerala & Mahe on 12th October; Lakshadweep during 7th-8th October and on 12th October; North Interior Karnataka on 6th October and during 9th-10th October.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 6th-11th October; Lakshadweep on 6th October and during 9th-11th October.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 6th-10th October; Kerala & Mahe and Lakshadweep on 6th October and during 9th-10th October, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Kerala & Mahe during 7th-8th October; Coastal Andhra Pradesh & Yanam and Rayalaseema during 6th-8th October.
- ❖ Isolated **thunderstorm & lightning** likely over South Interior Karnataka during 6th-7th October.
- ❖ Isolated **heavy rainfall** likely over Tamil Nadu, Puducherry & Karaikal on 6th October and during 8th-10th October; Kerala & Mahe on 6th October and during 9th-10th October; South Interior Karnataka on 6th October.
- ❖ Strong Surface Winds likely over Coastal Andhra Pradesh & Yanam and Rayalaseema during 6th-8th October.

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

For more details, kindly refer National Weather Bulletin:

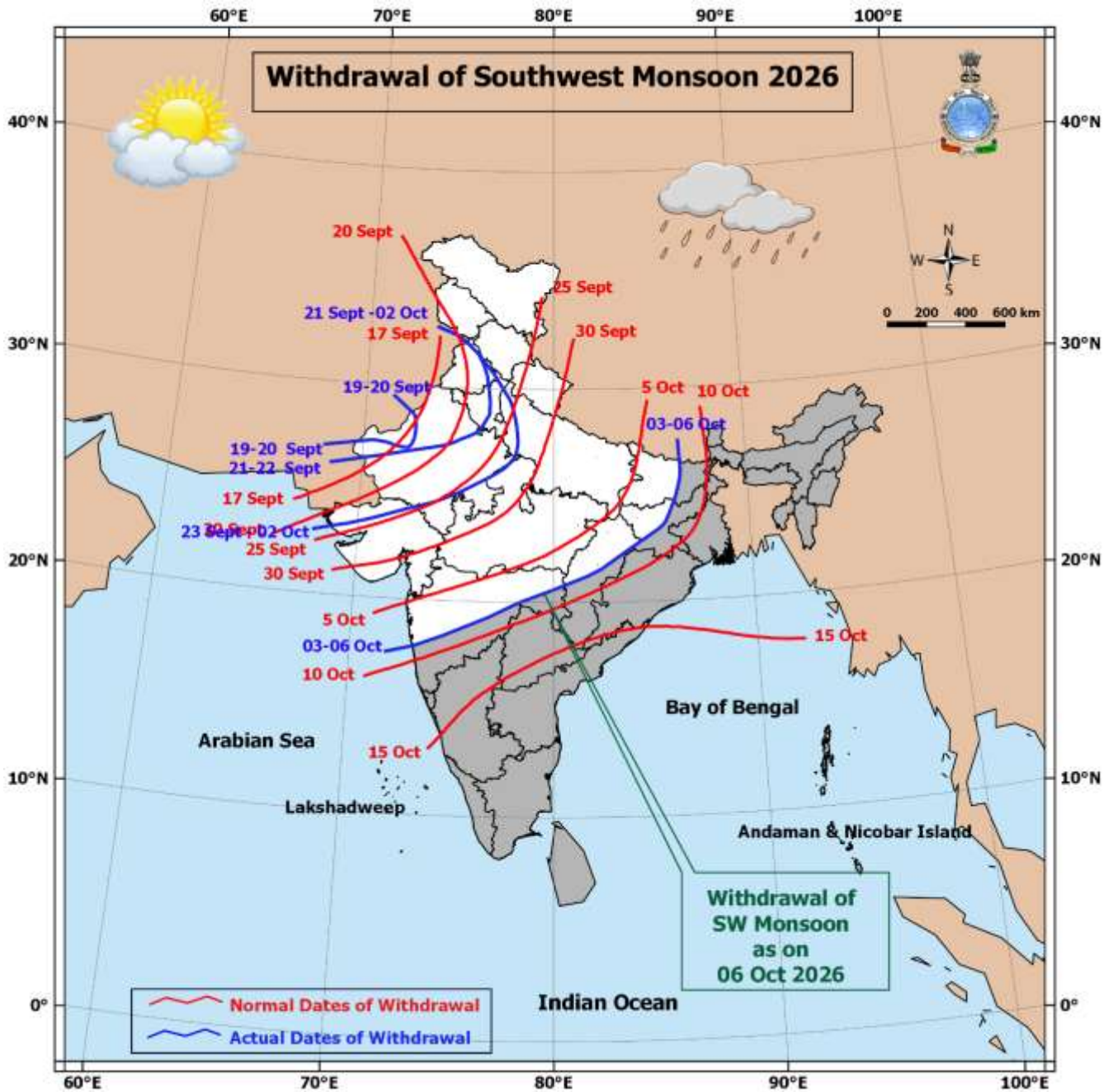
[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

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

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

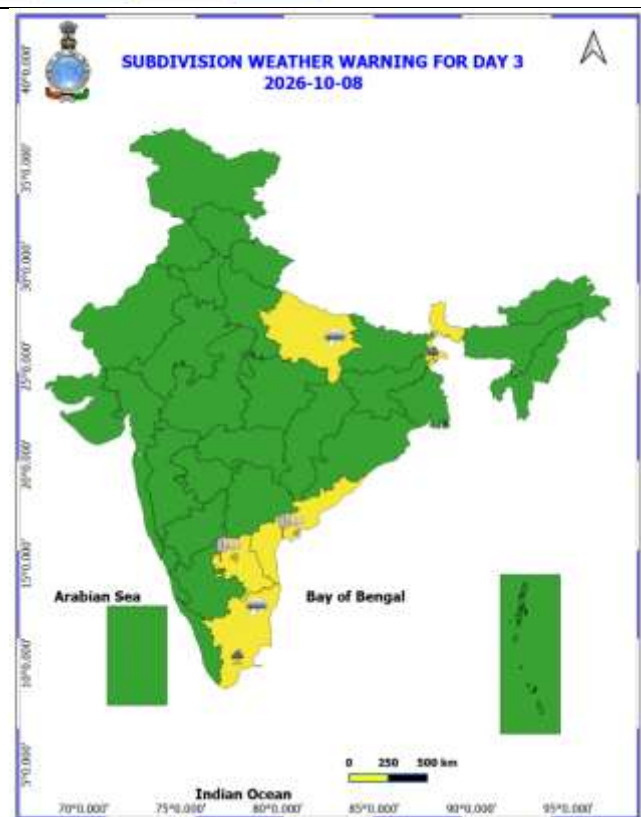
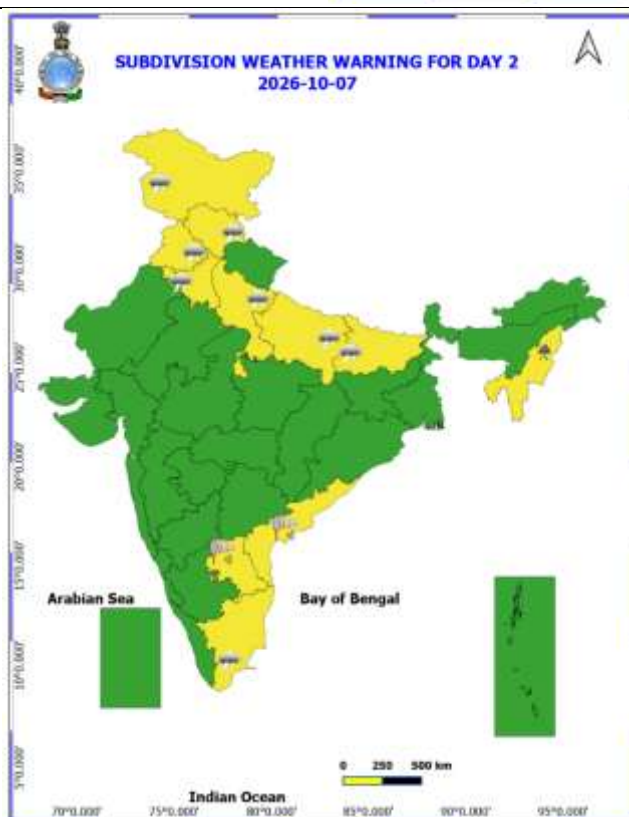
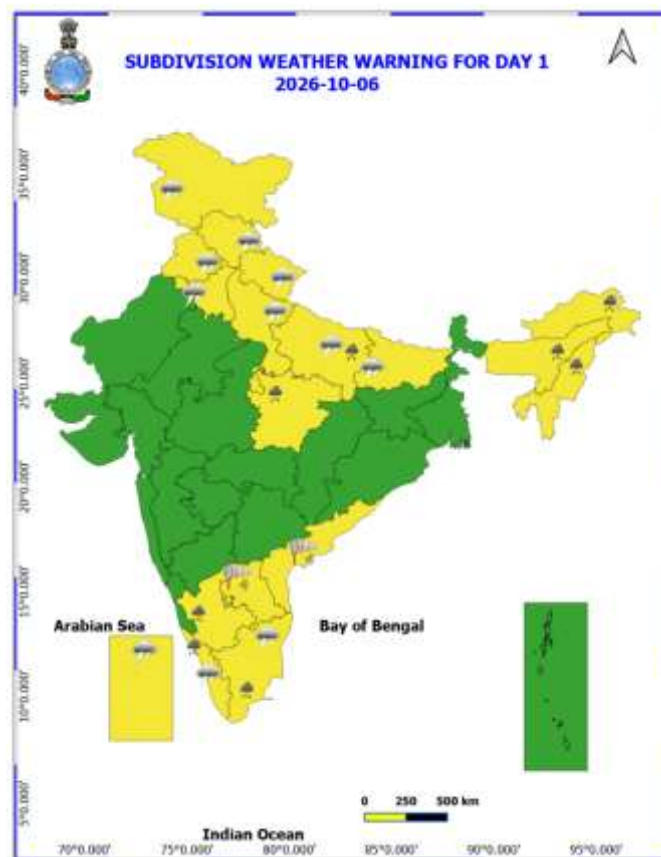
### Highest rainfall recorded ( $\geq 7$ cm) (from 0830 hours IST of yesterday to 0830 hours IST of today over different Meteorological Subdivision):

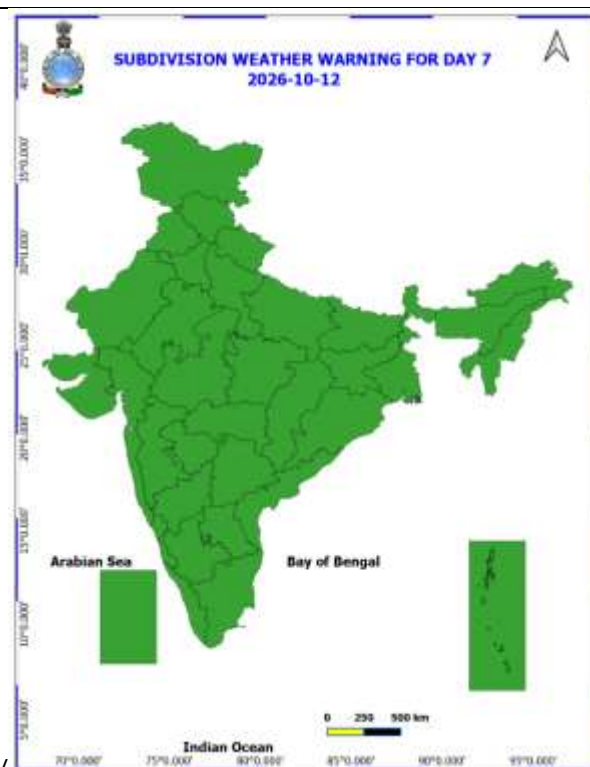
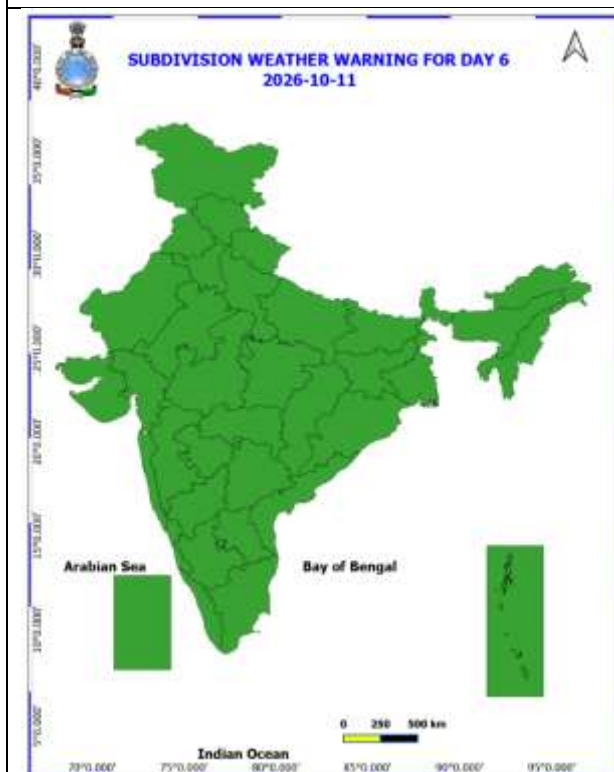
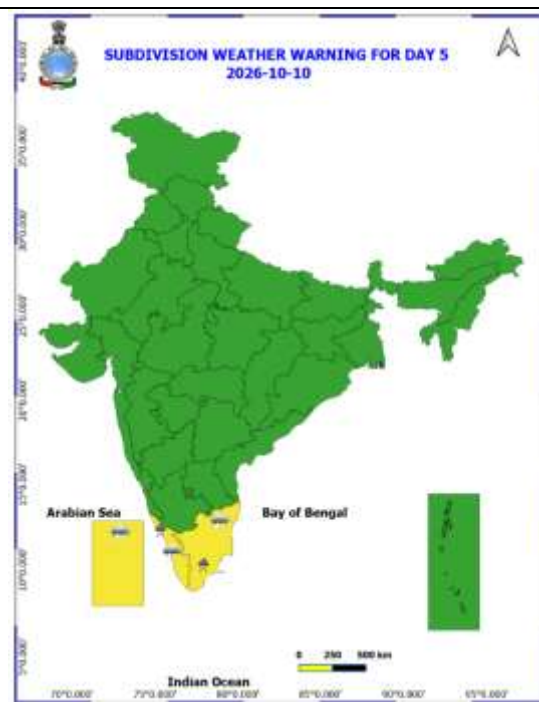
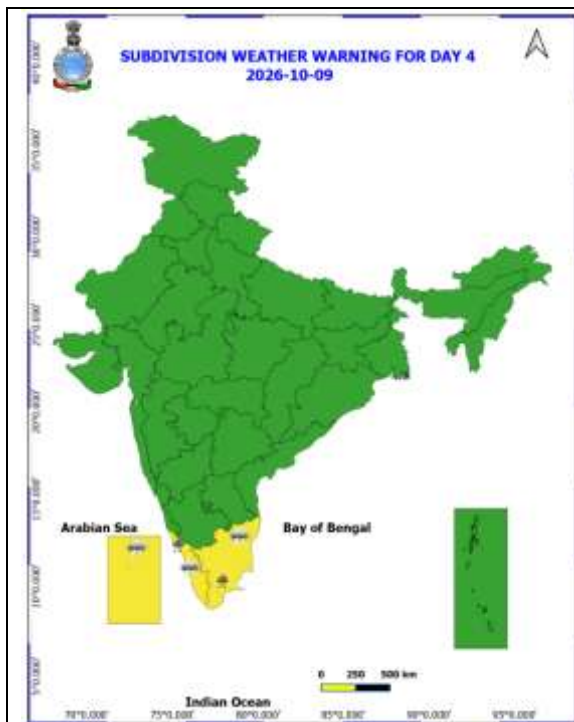
- ❖ **Tamil Nadu:** Valparai, Valparai Taluk Office & Namandahalli 12 each
- ❖ **Rayalaseema:** Royachoti 9
- ❖ **Sub-Himalayan West Bengal:** Pundibari 9
- ❖ **South Interior Karnataka:** Tumakuru 8
- ❖ **Kerala:** Neryamangalam 8, Vellathooval 7
- ❖ **Bihar:** Madhubani 7



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

- 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 06<sup>th</sup> -09<sup>th</sup> October 2026****Past Weather:**

There has been no large change in maximum and rise in minimum temperatures by 1°C over Delhi during the past 24 hours. The maximum temperatures were around 35-37°C and the minimum temperatures are in the range 22-25°C respectively during past 24 hours over Delhi. The minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places, above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) over rest parts of Delhi. The maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places, above normal (1.6°C to 3.0°C) at a few places and normal (-1.5°C to 1.5°C) over remaining parts of Delhi. Mainly clear sky with surface wind speed 20 kmph gusting to 35 kmph from the northwest direction prevailed over Delhi during past 24 hours. Mainly clear sky with surface wind speeds up to 20 kmph from the west direction likely to prevail during forenoon over the region today.

**Weather Forecast:**

**06.10.2026:** Mainly clear sky becoming partly cloudy sky towards afternoon/evening. The maximum temperatures over Delhi are likely to be in the range of 35-37°C. The maximum temperatures will be above normal (1.6°C to 3.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northwest direction with surface wind speed reaching up to 22 kmph during the afternoon. The surface wind speed will decrease becoming up to 18 kmph from the northeast direction during evening and night hours.

**07.10.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 21°C to 23°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 northeast direction with wind speed reaching up to 15 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 increase becoming up to 25 kmph from the southeast direction during evening and night hours.

**08.10.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 21°C to 23°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 southeast direction with wind speed reaching up to 15 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 18 kmph from the southeast direction during evening and night hours.

**09.10.2026:** Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 31°C to 33°C and 22°C to 24°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 southeast direction with wind speed reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the northwest direction during afternoon. The surface wind speed will increase becoming up to 22 kmph from the southeast direction during evening and night hours.

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

**Isolated heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim on 8<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal on 6th October and during 8th-10th October; Kerala & Mahe on 6th October and during 9th-10th October; South Interior Karnataka on 6th October., 2026. Isolated heavy rainfall likely over Sub-Himalayan West Bengal & Sikkim on 8<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal on 6th October and during 8th-10th October; Kerala & Mahe on 6th October and during 9th-10th October; South Interior Karnataka on 6th October, 2026.**

#### **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 **South Interior Karnataka**, ensure adequate drainage in standing crops, particularly millets and maize, and remove excess water from low-lying fields. Postpone irrigation and other intercultural operations during wet conditions.
- In **Tamil Nadu**, ensure proper drainage in rice, groundnut and vegetable fields and remove excess water from low-lying areas. In banana, provide adequate drainage and support to five-month-old plants to prevent lodging; postpone fertilizer and pesticide application during the rainfall period and undertake harvesting of mature crops during suitable dry intervals.
- In **Keralam**, ensure adequate drainage in paddy, banana, coconut, pepper, ginger, turmeric, vegetables and other standing crops, with priority to low-lying and waterlogged fields. Provide strong support to banana and other vulnerable crops, undertake harvesting of matured paddy during clear weather and keep harvested produce in safe places.

### **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.

- 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.

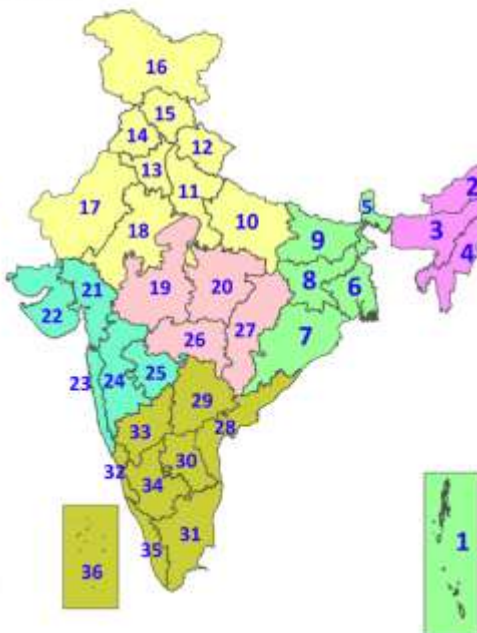
**Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

**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                          |

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## 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>       | <b>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</b><br><b>(a) Based on Departure from normal</b><br><b>Heat Wave:</b> Maximum Temperature Departure from normal $4.5^{\circ}\text{C}$ to $6.4^{\circ}\text{C}$ .<br><b>Severe Heat Wave:</b> Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$<br><b>(b). Based on Actual maximum temperature</b><br><b>Heat Wave:</b> When actual maximum temperature $\geq 45^{\circ}\text{C}$ .<br><b>Severe Heat Wave:</b> When actual maximum temperature $\geq 47^{\circ}\text{C}$ .<br><b>(c). Criteria for heat wave for coastal stations</b><br>When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$ |
| <b>Warm Night</b>      | <b>When maximum temperature remains <math>40^{\circ}\text{C}</math></b><br><b>Warm Night:</b> When minimum temperature departure $4.5^{\circ}\text{C}$ to $6.4^{\circ}\text{C}$ .<br><b>Severe Warm Night:</b> When minimum temperature departure $> 6.4^{\circ}\text{C}$ .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cold Wave</b>       | <b>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.</b><br><b>(a). Based on departure</b><br><b>Cold Wave:</b> Minimum Temperature Departure from normal $-4.5^{\circ}\text{C}$ to $-6.4^{\circ}\text{C}$ .<br><b>Severe Cold Wave:</b> Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$<br><b>(b) Based on actual Minimum Temperature (for Plains only)</b><br><b>Cold Wave:</b> When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$<br><b>Severe Cold Wave:</b> When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$<br><b>(c) For Coastal Stations</b><br>When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$                                                                   |
| <b>Cold Day</b>        | <b>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</b><br><b>Based on departure</b><br><b>Cold Day:</b> Maximum Temperature Departure from normal $-4.5^{\circ}\text{C}$ to $-6.4^{\circ}\text{C}$ .<br><b>Severe Cold Day:</b> Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Fog</b>             | <b>Phenomenon of small droplets suspended in air and the horizontal visibility <math>&lt; 1\text{km}</math></b><br><b>Moderate Fog:</b> When the visibility between 500-200 metres<br><b>Dense Fog:</b> when the visibility between 50- 200 metres<br><b>Very Dense Fog:</b> when the visibility $< 50$ metres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>           | <b>Ice deposits on ground</b><br>Air temperature $\leq 4^{\circ}\text{C}$ ( over Plains)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Squall</b>          | <b>A strong wind that rises suddenly, lasts for atleast 1 minute.</b><br><b>Moderate:</b> Wind speed 52-61 kmph<br><b>Severe:</b> Wind speed 62-87 kmph<br><b>Very Severe:</b> Wind speed $> 87$ kmph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sea State</b>       | <b>Effect of various waves in the sea over specific area</b><br><b>Rough to very rough:</b> Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre<br><b>High to very high:</b> Wind speed 63-117 kmph ( 34-63 knots) & Wave height 6-14 metre<br><b>Phenomenal:</b> Wind speed $> 117$ kmph ( $> 63$ knots) & Wave height $> 14$ metre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cyclone</b>         | <b>Cyclonic Storm:</b> Wind speed 62-87 kmph (34-47 knots)<br><b>Severe Cyclonic Storm:</b> Wind speed 88-117 kmph (48-63 knots)<br><b>Very Severe Cyclonic Storm:</b> Wind speed 118-185 kmph (64 - 89 knots)<br><b>Extremely Severe Cyclonic Storm:</b> Wind speed 186-220 kmph (90 -119 knots)<br><b>Super Cyclone Storm:</b> Wind speed $> 220$ kmph ( $> 119$ knots)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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