



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Friday, November 15, 2024 Time of Issue: 0745 hours IST (MORNING)

All India Impact Based Weather Warning Bulletin

Weather Warnings for next 7 days is given below: (Graphics for warnings & rainfall distribution (Table 1) are given below the text:

15 November (Day1):

- ❖ Heavy rainfall (≥ 7 cm) very likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and South Interior Karnataka.
- ❖ Very dense fog conditions very likely in a few pockets of Punjab, Haryana-Chandigarh-Delhi; at isolated pockets over West Rajasthan; Dense fog conditions very likely in isolated pockets of Himachal Pradesh, Uttarakhand, Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand in the morning hours.
- **❖ Thunderstorm accompanied with lightning** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.

16 November (Day 2):

- **❖ Heavy rainfall (≥ 7 cm)** very likely at isolated places over Kerala & Mahe.
- ❖ Very dense fog conditions very likely in isolated pockets over Punjab, Haryana-Chandigarh-Delhi, West Rajasthan; Dense fog conditions very likely in isolated pockets of Himachal Pradesh, Uttarakhand, Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand in the morning hours.
- **Thunderstorm accompanied with lightning** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.





17 November (Day 3):

- **Dense fog conditions** likely in isolated pockets of Himachal Pradesh in the morning hours.
- **❖ Thunderstorm accompanied with lightning** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.

18 November (Day 4):

- **❖ Dense fog conditions** likely in isolated pockets of Himachal Pradesh in the morning hours.
- **❖ Thunderstorm accompanied with lightning** very likely at isolated places over Kerala & Mahe.

19 November (Day 5):

❖ No Warning.

20 November (Day 6):

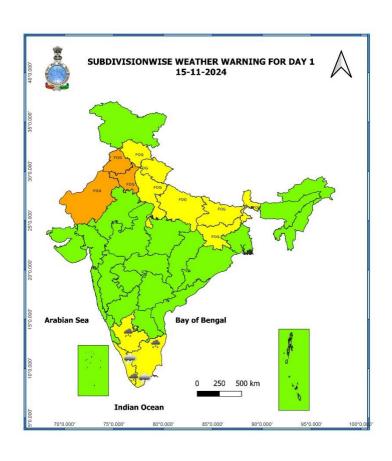
❖ No Warning.

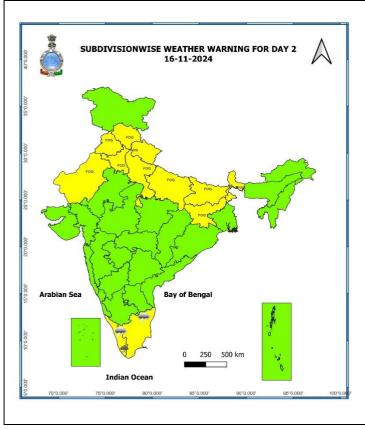
21 November (Day 7):

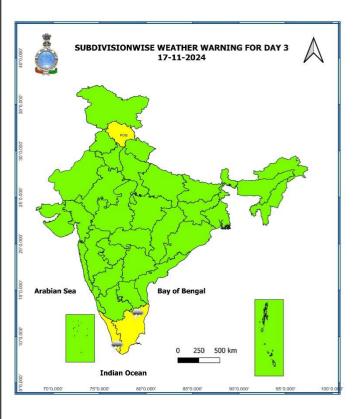
* No Warning.







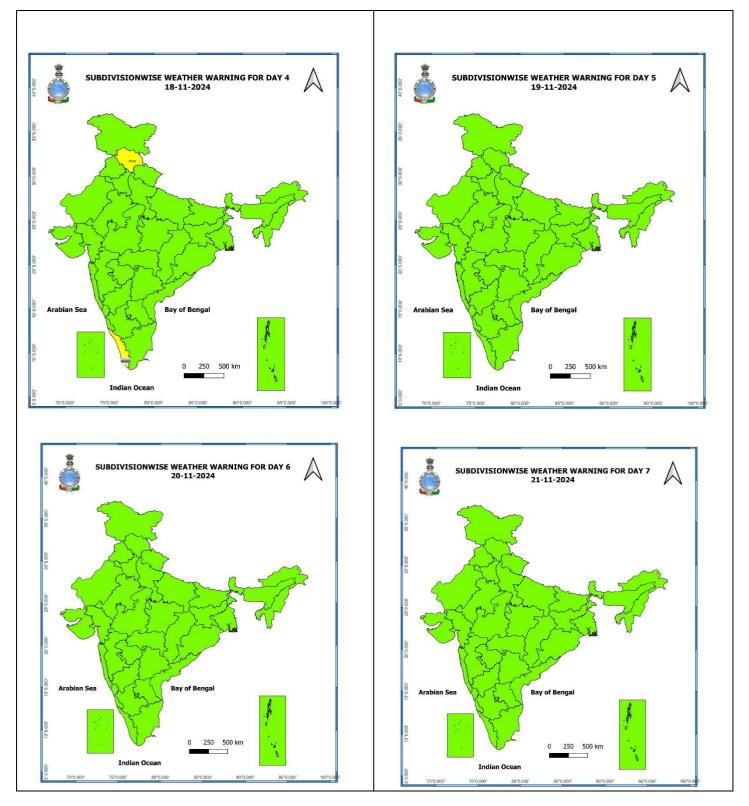








National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



- Action may be taken based on ORANGE AND RED COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Table-1

| Day 1 Day 2 Day 3 Day 4 Day 5 Day 6 | | | s Rainfa | ll Foreca | st | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------|----------|-----------|----------|--------|--------------|----------|--------|
| Day 1 Day 2 Day 3 Day 4 Day 5 Day 6 | S. No. | Subdivision | 15-Nov | | | 18-Nov | 19-Nov | 1 | 21-Nov |
| 2 ARUNACHAL PRADESH DRY | <u> </u> | 345414131011 | | | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| 3 ASSAM & MEGHALAYA | 1 | ANDAMAN & NICOBAR ISLANDS | | | | | | | SCT |
| 4 NAGALAND, MANIPUR, MIZORAM & TRIPURA DRY | 2 | ARUNACHAL PRADESH | DRY | DRY | DRY | DRY | DRY | 1 | DRY |
| 5 SUB-HIMALAYAN WEST BENGAL & SIKKIM DRY ISOL ISOL DRY < | 3 | ASSAM & MEGHALAYA | DRY | DRY | DRY | DRY | - | - | DRY |
| 6 GANGETIC WEST BENGAL DRY | 4 | NAGALAND, MANIPUR, MIZORAM & TRIPURA | DRY | DRY | DRY | DRY | DRY | | DRY |
| 7 ODISHA DRY DRY <td>5</td> <td>SUB-HIMALAYAN WEST BENGAL & SIKKIM</td> <td>DRY</td> <td>ISOL</td> <td>ISOL</td> <td>DRY</td> <td>DRY</td> <td>ISOL</td> <td>ISOL</td> | 5 | SUB-HIMALAYAN WEST BENGAL & SIKKIM | DRY | ISOL | ISOL | DRY | DRY | ISOL | ISOL |
| 8 JHARKHAND DRY | 6 | GANGETIC WEST BENGAL | DRY | DRY | DRY | DRY | | DRY | DRY |
| 9 BIHAR DRY DRY <td>7</td> <td>ODISHA</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> <td>DRY</td> | 7 | ODISHA | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 10 EAST UTTAR PRADESH DRY | 8 | JHARKHAND | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 11 WEST UTTAR PRADESH DRY | 9 | BIHAR | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 12 UTTARAKHAND DRY DRY DRY DRY DRY DRY DRY DRY DRY DR | 10 | EAST UTTAR PRADESH | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 13 HARYANA CHANDIGARH & DELHI 14 PUNJAB 15 ISOL 15 ISOL 15 DRY 15 HIMACHAL PRADESH 15 ISOL 15 DRY 16 JAMMU & KASHMIR AND LADAKH 17 WEST RAJASTHAN 18 EAST RAJASTHAN 19 WEST MADHYA PRADESH 20 EAST MADHYA PRADESH 21 GUJARAT REGION 22 SAURASHTRA & KUTCH 23 KONKAN & GOA 24 MADHYA MAHARASHTRA 25 MARATHAWADA 26 VIDARBHA 26 VIDARBHA 27 CHHATTISGARH 28 COASTAL ANDHRA PRADESH & YANAM 28 COASTAL ANDHRA PRADESH & YANAM 29 TELANGANA 30 RAYALASEEMA 31 TAMILNADU PUDUCHERRY & KARAIKAL 32 COASTAL KARNATAKA 31 NORTH INTERIOR KARNATAKA 4 ISOL 15 DRY 15 DRY 18 DRY 19 DRY 19 DRY 19 DRY 10 DRY 11 DRY 12 DRY 13 DRY 14 DRY 15 DRY 15 DRY 15 DRY 16 DRY 16 DRY 16 DRY 16 DRY 17 DRY 18 D | 11 | WEST UTTAR PRADESH | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 14 PUNJAB ISOL ISOL DRY DRY DRY DRY DRY ISOL DRY DRY DRY DRY ISOL DRY | 12 | UTTARAKHAND | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 15 HIMACHAL PRADESH 16 JAMMU & KASHMIR AND LADAKH 17 WEST RAJASTHAN 18 EAST RAJASTHAN 19 WEST MADHYA PRADESH 19 WEST MADHYA PRADESH 20 EAST MADHYA PRADESH 21 GUJARAT REGION 22 SAURASHTRA & KUTCH 23 KONKAN & GOA 24 MADHYA MAHARASHTRA 25 MARATHAWADA 26 VIDARBHA 26 VIDARBHA 27 CHHATTISGARH 28 COASTAL ANDHRA PRADESH & YANAM 29 TELANGANA 30 RAYALASEEMA 30 RAYALASEEMA 31 TAMILNADU PUDUCHERRY & KARAIKAL 30 PRY DRY DRY DRY DRY DRY DRY DRY 15 DRY DRY DRY DRY DRY DRY 16 DRY DRY DRY DRY DRY DRY DRY 17 DRY DRY DRY DRY DRY 18 DRY DRY DRY DRY DRY DRY 19 DRY DRY DRY DRY DRY DRY 19 DRY DRY DRY DRY DRY DRY 19 DRY DRY DRY DRY DRY 19 DRY DRY DRY DRY 19 DRY DRY DRY DRY 19 DRY DRY DRY 10 DRY DRY DRY 10 DRY DRY DRY 10 DRY DRY 10 DRY DRY 10 DRY 11 DRY 12 DRY 13 DRY 15 DL 15 | 13 | HARYANA CHANDIGARH & DELHI | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 16 JAMMU & KASHMIR AND LADAKH 17 WEST RAJASTHAN 18 EAST RAJASTHAN 19 WEST MADHYA PRADESH 20 EAST MADHYA PRADESH 21 GUJARAT REGION 22 SAURASHTRA & KUTCH 23 KONKAN & GOA 24 MADHYA MAHARASHTRA 25 MARATHAWADA 26 VIDARBHA 27 CHHATTISGARH 28 COASTAL ANDHRA PRADESH & YANAM 30 RAYALASEEMA 31 TAMILNADU PUDUCHERRY & KARAIKAL 32 COASTAL KARNATAKA 32 COASTAL KARNATAKA 33 NORTH INTERIOR KARNATAKA 4 DRY DRY DRY DRY DRY DRY DRY DRY 10 DRY DRY DRY DRY DRY 10 DRY DRY DRY DRY 10 DRY DRY DRY 11 DRY 12 DRY 12 DRY 13 DRY 14 DRY 15 DRY | 14 | PUNJAB | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 17 WEST RAJASTHAN DRY DRY DRY DRY DRY DRY DRY DR | 15 | HIMACHAL PRADESH | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 18 EAST RAJASTHAN DRY | 16 | JAMMU & KASHMIR AND LADAKH | FWS | SCT | DRY | DRY | DRY | DRY | DRY |
| 19 WEST MADHYA PRADESH 20 EAST MADHYA PRADESH 21 GUJARAT REGION 22 SAURASHTRA & KUTCH 23 KONKAN & GOA 24 MADHYA MAHARASHTRA 25 MARATHAWADA 26 VIDARBHA 27 CHHATTISGARH 28 COASTAL ANDHRA PRADESH & YANAM 29 TELANGANA 30 RAYALASEEMA 31 TAMILNADU PUDUCHERRY & KARAIKAL 30 KORY DRY 30 DRY 31 DRY 31 DRY 32 DRY 33 NORTH INTERIOR KARNATAKA 35 DRY 36 DRY 37 DRY 38 DRY 38 DRY 39 DRY 30 DRY 30 DRY 31 TAMILNADU PDRY CKARNATAKA 35 DRY 36 DRY 37 DRY 38 DRY 39 DRY 30 DRY 30 DRY 31 DRY 31 DRY 32 DRY 33 NORTH INTERIOR KARNATAKA 35 CT 36 DRY 37 DRY 38 DRY 39 DRY 40 DRY 50 DRY 51 DRY 51 DRY 52 DRY 53 DRY 54 DRY 55 DRY 56 DRY 57 DRY 58 DRY | 17 | WEST RAJASTHAN | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 20 EAST MADHYA PRADESH 21 GUJARAT REGION DRY DRY DRY DRY DRY DRY DRY DR | 18 | EAST RAJASTHAN | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 21 GUJARAT REGION DRY DRY DRY DRY DRY DRY DRY DRY DRY 22 SAURASHTRA & KUTCH DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY DRY | 19 | WEST MADHYA PRADESH | 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 DRY DRY DRY DRY | 20 | EAST MADHYA PRADESH | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 23 KONKAN & GOA 15OL 1 | 21 | GUJARAT REGION | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 24 MADHYA MAHARASHTRA ISOL ISOL DRY | 22 | SAURASHTRA & KUTCH | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 25 MARATHAWADA ISOL DRY | 23 | KONKAN & GOA | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 25 MARATHAWADA ISOL DRY | 24 | MADHYA MAHARASHTRA | ISOL | ISOL | DRY | DRY | DRY | DRY | DRY |
| 26VIDARBHADRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRYDRY <t< td=""><td>25</td><td>MARATHAWADA</td><td>ISOL</td><td></td><td>DRY</td><td>DRY</td><td>DRY</td><td>DRY</td><td>DRY</td></t<> | 25 | MARATHAWADA | ISOL | | DRY | DRY | DRY | DRY | DRY |
| 27 CHHATTISGARH DRY | | VIDARBHA | | | ! | | | | DRY |
| 28 COASTAL ANDHRA PRADESH & YANAM SCT SCT ISOL ISOL ISOL ISOL ISOL ISOL ISOL ISOL | 27 | CHHATTISGARH | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 29 TELANGANA ISOL ISOL DRY | 28 | COASTAL ANDHRA PRADESH & YANAM | | | ISOL | ISOL | ISOL | | ISOL |
| 30 RAYALASEEMA SCT SCT ISOL ISOL DRY | | | | | | | | | DRY |
| 31 TAMILNADU PUDUCHERRY & KARAIKAL SCT SCT SCT ISOL ISOL ISOL I 32 COASTAL KARNATAKA WS SCT SCT ISOL DRY DRY [33 NORTH INTERIOR KARNATAKA SCT ISOL DRY DRY [14 DRY DRY DRY [15 DRY DRY DRY [16 DRY DRY DRY DRY [17 DRY DRY DRY [18 DRY DRY DRY DRY [18 DRY DRY DRY DRY DRY [18 DRY DRY DRY DRY DRY [18 DRY | | | | | | | | | DRY |
| 32 COASTAL KARNATAKA WS SCT SCT ISOL DRY DRY D 33 NORTH INTERIOR KARNATAKA SCT ISOL DRY DRY DRY DRY | | | | | | | | | ISOL |
| 33 NORTH INTERIOR KARNATAKA SCT ISOL DRY DRY DRY DRY | | | | | | | | | DRY |
| | | | | | | | | 1 | DRY |
| 34 ISOUTH INTERIOR KARNATAKA IFWS ISOL IISOL IDRY IDRY IL | 34 | SOUTH INTERIOR KARNATAKA | FWS | SCT | ISOL | ISOL | DRY | DRY | DRY |
| | | | | | | | | | SCT |
| | | | | | | | | | SCT |

• As the lead period increases forecast accuracy decreases.



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Agromet advisories for Heavy Rainfall likely over various parts of the country:

- Make arrangements to drain out excess water from the standing crop fields and fruit orcahrds in Tamil Nadu, Kerala, South Interior Karnataka and Coastal Andhra Pradesh.
- ➤ Keep the harvested produce at safer places.
- ➤ Provide mechanical support to horticultural crops and staking to vegetables.

Impact expected due to dense to very dense fog in the late night /morning hours over.

- Transport and Aviation:
 - May affect some airports, highways and railway routes in the areas of met-sub-division.
 - Difficult driving conditions with slower journey times.
 - Unless taken precautionary measures, it may lead to some road traffic collisions.
- ❖ Power Sector:
 - Chances of Tripping of Power lines in the very dense fog routes.
- ❖ Human Health:
- Lung related health impacts: Dense fog contains particulate matter and other pollutants and in case exposed it gets lodged in the lungs, clogging them and decreasing their functional capacity which increases episodes of wheezing, coughing and shortness of breath.
- Impact on people having asthma bronchitis: Long time exposure to dense fog may cause respiratory problem for people having asthma bronchitis and other lung related health problems.
- Eye Irritation: Dense fog contains pollutions of various types and these Pollutants in the air if exposed may tend to irritate the membranes of the eye causing various infections leading to redness or swelling of the eye.

Action suggested:

- ❖ Transport and Aviation:
 - Be careful while driving or outing through any transport.
 - Use fog lights during driving.
 - Be in touch with airlines, railways and state transport for schedule of your journey.
- ❖ Power Sector:
 - To keep ready Maintenance Team
 - Human Health: To avoid outing until unless emergency and to cover the face.



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

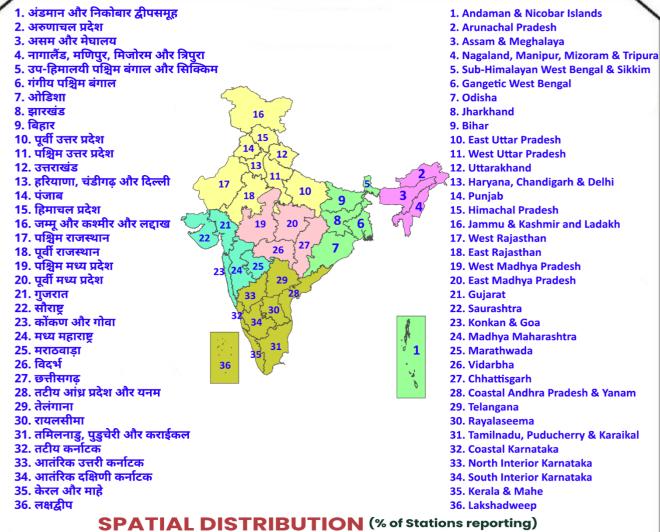
Legends & abbreviations:

- **♦ Heavy Rain:**64.5-115.5mm; **Very Heavy Rain:**115.6-204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ Obsy.: Observatory; AWS: 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, 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.



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

LEGENDS



| % 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) |
| = 507 | Heavy Snow | _ Cold Wa | ve COLOUR CODED WARNING |



| | DEFINITION/CRITERIA |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * | Heavy: 64.5 to 115.5 mm/cm * Very Heavy: 115.6 to 204.4 mm/cm* |
| Rain/ Snow * | Extremely Heavy: > 204.4 mm/cm * |
| | When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly regions |
| | (a) Based on Departure from normal |
| | Heat Wave: Maximum Temperature Departure from normal 4.5° C to 6.4° C. |
| | Severe Heat Wave: Maximum Temperature Departure from normal ≥6.5° C |
| Heat Wave | (b). Based on Actual maximum temperature |
| | Heat Wave: When actual maximum temperature ≥45°C. Severe Heat Wave: When actual maximum temperature ≥47°C |
| | (c). Criteria for heat wave for coastal stations When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C |
| | When maximum temperature remains 40°C |
| Warm Night | Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C. |
| | Severe Warm Night: When minimum temperature departure >6.4 °C. |
| | When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions. (a). Based on departure |
| | Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C |
| Cold Wave | |
| | (b) Based on actual Minimum Temperature (for Plains only) Cold Wave : When Minimum Temperature is ≤ 4.0 °C |
| | Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C |
| | (c) For Coastal Stations |
| | When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C |
| 0-14 B | When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure |
| Cold Day | Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. |
| | Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C |
| | Phenomenon of small droplets suspended in air and the horizontal visibility < 1km |
| Fog | Moderate Fog: When the visibility between 500-200 metres |
| 9 | Dense Fog: when the visibility between 50- 200 metres Very Dense Fog: when the visibility < 50 metres |
| | |
| Thunderstorm | Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder) |
| Dust/Sand Storm | An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind. |
| | Ice deposits on ground |
| | |
| Frost | Air temperature ≤4°C (over Plains) |
| Frost | Air temperature ≤4°C (over Plains) |
| | |
| Frost | Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. |
| | Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph |
| | Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph |
| Squall | Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre |
| | A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre |
| Squall | Air temperature ≤4°C (over Plains) A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre |
| Squall | A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre |
| Squall Sea State | A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots) |
| Squall | A strong wind that rises suddenly, lasts for atleast 1 minute. Moderate: Wind speed 52-61 kmph Severe: Wind speed 62-87 kmph Very Severe: Wind speed >87 kmph Effect of various waves in the sea over specific area Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots) |