



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 14th January, 2022

Time of Issue: 1215 hrs IST

Subject:

- I. Wet spell over East India and Coastal Andhra Pradesh during next 2 days and decrease significantly thereafter.**
- II. Dense to very dense fog over North India during next 4-5 days.**
- III. A Western Disturbance (WD) would affect northwest Himalayas on 16th & 17th and Another WD affect Northwest India from 18th to 20th January, 2022.**

Weather Observed during past 24 hours ending at 0830 hrs IST of today:

- **Rainfall (in cm): Coastal Andhra Pradesh:** Vizianagaram: Parvathipuram-16, Seethanagram-9, Garugubilli-7, Bobbili-5; **Telangana:** Suryapet: Jajireddigudem-6; **Rayalseema:** Kurnool: Jupadu Bunglaw-3; **Chhattisgarh:** Bijapur: Usoor & Bhairamgarh-3 each; **Andaman & Nicobar Islands:** IAF Carnicobar-4.
- **Thunderstorm accompanied with Hail** observed in isolated places over Telangana.
- **Severe Cold Day conditions** observed in isolated parts over Punjab, Haryana, Chandigarh & Delhi, East Rajasthan and West Madhya Pradesh and **Cold day conditions** in isolated parts over West Uttar Pradesh, West Rajasthan, Gujarat state and East Madhya Pradesh.
- **Dense to very dense fog** in isolated pockets over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, West Uttar Pradesh, West Madhya Pradesh, Bihar and Tripura.

Forecast & Warnings:

Wet spell over East India and Coastal Andhra Pradesh during next 2 days:

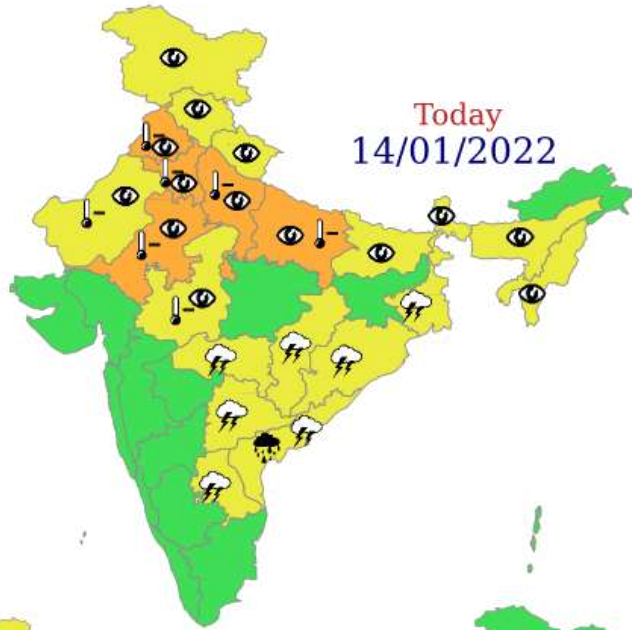
- A trough runs from North Interior Karnataka to north interior Odisha in lower tropospheric levels.
- A cyclonic circulation lies over south Konkan in lower tropospheric levels.
- Under the influence of above systems:
 - ✓ Scattered to fairly widespread light/moderate rainfall very likely over Coastal Andhra Pradesh during 14th to 16th January and isolated to scattered light/moderate rainfall over Marathwada, Vidarbha, Chhattisgarh and Telangana on 14th & 15th January.
 - ✓ **Isolated Heavy rainfall very likely over Coastal Andhra Pradesh on 14th January, 2022.**
 - ✓ Fairly widespread light/moderate rainfall very likely over Odisha & Gangetic West Bengal on 14th and decrease significantly thereafter. Isolated light/moderate rainfall also very likely over Sub-Himalayan West Bengal & Sikkim and Jharkhand on 14th & 15th January.

- ✓ **Isolated thunderstorms with lightning/Hail** very likely over Sub-Himalayan West Bengal & Sikkim on 15th January.
- ✓ Isolated light/moderate rainfall over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during on 14th & 15th January.
- **Under the influence of a cyclonic circulation over Southwest Bay of Bengal and another over south Tamil Nadu in lower tropospheric levels;** isolated light rainfall/thundershower over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe during next 4-5 days.
- **Two fresh Western Disturbances very likely to affect northwest India, the 1st from 16th January and likely to cause isolated to scattered precipitation on 16th & 17th; the 2nd from 18th and likely to cause light/moderate scattered to fairly widespread precipitation over Western Himalayan Region and light isolated to scattered rainfall over adjoining plains for subsequent 2-3 days.**

I. Minimum Temperatures, Cold wave and Fog:

- ✓ Minimum temperatures are above normal by 2-4°C over many parts of Punjab and east & northeast India; these are near normal or below normal by 2-3°C over rest parts of north India.
- ✓ No significant change in minimum temperatures likely over Northwest India during next 3 days and rise by 2-3°C thereafter.
- ✓ No significant change in minimum temperatures over East India during next 3 days and fall by 2-3°C thereafter.
- ✓ No significant change in minimum temperatures over Gujarat state & Maharashtra during next 24 hours and gradual rise by 2-4°C thereafter.
- ✓ **Cold wave conditions** in isolated pockets very likely over West Uttar Pradesh and West Madhya Pradesh during next 2 days.
- ✓ **Cold Day to Severe Cold Day Conditions** in some pockets very likely over Punjab and in isolated pockets over Haryana & Chandigarh, West Uttar Pradesh and Rajasthan during next 2 days and **Cold Day Conditions** in isolated pockets over East Uttar Pradesh during next 2 days and over Madhya Pradesh during next 24 hours.
- ✓ **Dense/Very Dense Fog** in some/isolated pockets in night/morning hours very likely over Western Himalayan Region, Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2 days and over Punjab, Haryana, Chandigarh & Delhi during next 3 days and over Uttar Pradesh, Bihar and Sub-Himalayan West Bengal & Sikkim during next 5 days.

For more details refer: https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



Impact expected and action suggested due to Dense/Very Dense fog in the night/morning hours very likely over Western Himalayan Region, Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2 days and over Punjab, Haryana, Chandigarh & Delhi during next 3 days and over Uttar Pradesh, Bihar and Sub-Himalayan West Bengal & Sikkim during next 5 days.

Impact expected:

- **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.
 - 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.
 - Causes 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:**
 - Careful while driving or outing through any transport.
 - Use fog lights during driving.
 - Be in touch with airlines and Railway 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.

Impact expected and action suggested due to Thunderstorm, Lightning & Hail over Sub-Himalayan West Bengal on 14th January.

Impact expected:

- Hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.

Action suggested:

- 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.

Legends:

Heavy Rain: 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and 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) |



| Probabilistic Forecast | |
|------------------------|-------------------------------|
| Terms | Probability of Occurrence (%) |
| Unlikely | < 25 |
| Likely | 25 - 50 |
| Very Likely | 50 - 75 |
| Most Likely | > 75 |



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