

Government of India Ministry of Earth Sciences India Meteorological Department



Press Release Date: 17th March, 2024 Time of Issue: 1300 hours IST

Subject: Light to moderate rainfall accompanied with thunderstorm, lightning & hail over East, Central & adjoining Peninsular India during 17th-20th with peak intensity on 19th March, 2024.

Realised weather during past 24 hours till 0830 hours IST of today:

- **❖ Light rainfall/snowfall** observed at isolated places over Himachal Pradesh, Uttarakhand, Sikkim and Arunachal Pradesh.
- ❖ Light/Moderate rainfall observed at most places over Gangetic West Bengal; at a few places over Odisha and Telangana; at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, North Interior Karnataka and Kerala & Mahe.
- ❖ Hailstorm observed at isolated places over East Madhya Pradesh, Vidarbha, Jharkhand, Marathwada and Telangana.

Weather Systems and Forecast & Warnings: (Annexure I)

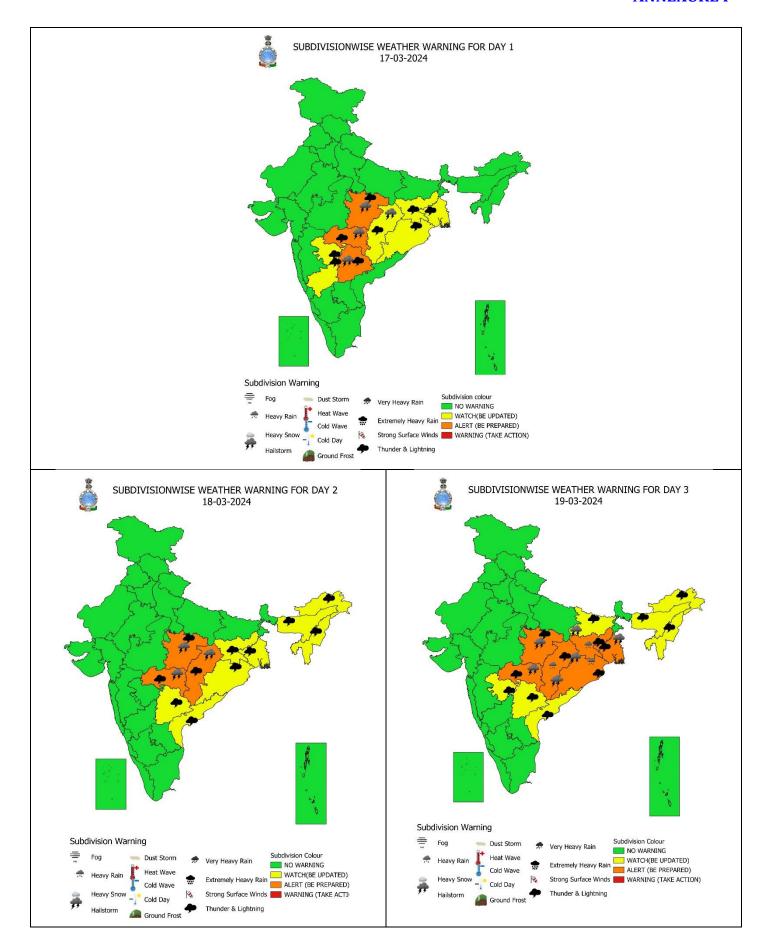
- ❖ A trough runs from west Vidarbha to north Kerala in lower tropospheric levels. The anti-cyclonic circulation now lies over Westcentral & adjoining Northwest Bay of Bengal in lower tropospheric levels. Under their influence:
 - ✓ Scattered to fairly widespread light to moderate rainfall with isolated **thunderstorms**, **lightning & gusty winds** very likely over **Gangetic West Bengal** during 17th−21st with possibility of **hailstorm & squall (speed reaching 50-60 kmph)** on 19th March, 2024.
 - ✓ Scattered to fairly widespread light to moderate rainfall with **thunderstorms**, **lightning & gusty winds** over Jharkhand, Odisha, Vidarbha, Chhattisgarh & East Madhya Pradesh during 17th-20th and Bihar during 19th-21st March, 2024. **Isolated hailstorm also very likely over Vidarbha**, East Madhya Pradesh & Chhattisgarh during 17th-19th and Jharkhand & Odisha on 19th March, 2024.
 - ✓ Isolated **heavy rainfall** very likely over Odisha on 19th & 20th and Chhattisgarh & Jharkhand on 19th March, 2024.
 - ✓ Scattered to fairly widespread light/moderate rainfall with isolated thunderstorms & lightning very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 18th-23rd March, 2024.
 - ✓ Scattered to fairly widespread light/moderate rainfall with isolated thunderstorms & lightning very likely over Telangana during 17th-21st with possibility of **hailstorm** on 17th and

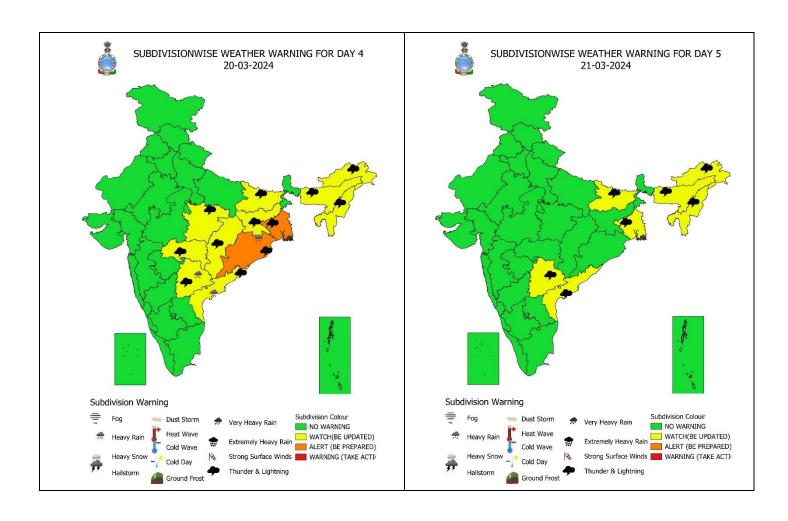
- over Coastal Andhra Pradesh & Yanam during 18th-21st March, 2024. Isolated **heavy rainfall** also likely over these sub-divisions on 20th March, 2024.
- ✓ Isolated light rainfall with thunderstorm & lightning very likely over Marathwada on 17th & 19th and North Interior Karnataka on 17th March, 2024.
- ❖ A fresh feeble Western Disturbance is likely to affect Western Himalayan Region from 18th March and another from the night of 20th March, 2024. Under their influence; isolated/scattered light rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 18th & again during 20th-23rd and over Himachal Pradesh & Uttarakhand on 18th, 19th & again during 21st-23rd March, 2024.

Maximum temperature forecast for next 5 days:

- ❖ Maximum temperatures are below normal by 2-3°C over many parts of the country except over some parts of Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab and Northeast & south Peninsular India, where these are near normal.
- ❖ Hot and humid weather very likely to prevail over Kerala & Mahe during next 4 days; Rayalaseema during next 3 days and Tamil Nadu, Puducherry & Karaikal during next 2 days.
- ❖ Gradual rise in maximum temperatures by 2-4°C very likely over Northwest India & Gujarat during next 4-5 days.
- ❖ Fall in maximum temperatures by 2-3°C very likely over Central East India during next 3 days and no significant change thereafter.
- ❖ No significant change in maximum temperatures very likely over East India during next 3 days and fall by 2-4°C thereafter.
- ❖ No significant change in maximum temperatures very likely over rest part of the country during next 5 days.

For more details, kindly refer: https://mausam.imd.gov.in/responsive/all india forcast bulletin.php





Impact expected and action suggested due to thunderstorm with lightning, gusty winds & Hailstorm: over East Madhya Pradesh, Vidarbha & Chhattisgarh during 17th-19th; Gangetic West Bengal, Jharkhand & Odisha on 19th and Telangana on 17th march.

Impact expected:

- ❖ 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:

- ❖ 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.

Agromet advisories for Heavy Rainfall, Gusty winds and Hailstorms likely over various parts of the country:

- ➤ Use hail nets or hail caps in fruit orchards to protect them from mechanical damage and provide mechanical support to horticultural crops & staking to vegetables in East Madhya Pradesh, Vidarbha, Chhattisgarh and Telangana.
- ➤ In East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Jharkhand and Gangetic West Bengal, harvest the matured crops and vegetables at the earliest and keep the harvested produce at safer places or cover the heaps of harvested produce in the fields with tarpaulin sheets.
- ➤ Provide mechanical support to horticultural crops and staking to vegetables in Odisha and Jharkhand.

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; dist: District: NH: National Highway; KVK: Krishi Vigyan Kendra; DVC: Damodar Valley Corporation; PTO: Part Time Office.
- **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 Marathwada.
 - South India: Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

