

Government of India Ministry of Earth Sciences India Meteorological Department

Press Release Date: 13th March, 2023 Time of Issue: 1330 hours IST

Subject: Light to moderate rainfall accompanied by thunderstorms and hailstorms likely over South, Central and East and northeast India during 15th-17th March, 2023.

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

- ❖ Maximum temperature were in the range of 38-39°C at isolated place over Gujarat state and Konkan & Goa and in the range of 35-37°C at many places over West Rajasthan, Rayalaseema and Coastal Karnataka; Madhya Pradesh, Chhattisgarh, Odisha, Gangetic West Bengal, Telangana, Kerala, Jharkhand and Vidarbha; at isolated places over Coastal Andhra Pradesh, Tamilnadu, Puducherry, North Interior Karnataka and Marathwada and at the range of 32-35°C at most places over East Uttar Pradesh, Bihar and South Interior Karnataka; at many places over Delhi, West Uttar Pradesh and East Rajasthan; at a few places over Sub-Himalayan West Bengal, Northeast India, Coastal Andhra Pradesh, Tamilnadu, Puducherry and North Interior Karnataka; at isolated places over Konkan & Goa and Vidarbha and at the range of 30-32°C at a few places over Punjab; at isolated places over Haryana, Chandigarh and Uttarakhand. Maximum temperatures are below 30°C over rest parts of the country.
- ❖ Maximum temperatures were above normal by 6-8°C at many place over Jammu division and above normal by 4-6°C at isolated places over Saurashtra, Konkan, Haryana & Delhi and north Rajasthan and above normal by 2-4°C at many places over Punjab, Haryana and West Uttar Pradesh; at a few places over West Rajasthan, Saurashtra & Kutch, Konkan & Goa, Coastal Karnataka and Northeast India; at isolated places over East Uttar Pradesh, Madhya Pradesh, Bihar, West Bengal & Sikkim and Odisha. They are below normal by 2-4°C at isolated places over North Interior Karnataka, Andhra Pradesh and Rayalaseema and near normal over rest parts of the country.
- ❖ Yesterday, **heat wave conditions** observed at isolated pockets over Konkan.
- ❖ Light/Moderate rainfall/thundershowers observed at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand and Arunachal Pradesh.
- **\Delta Hailstorm** observed at isolated places over Uttarakhand.

Weather Forecast and Warnings (Annexure I):

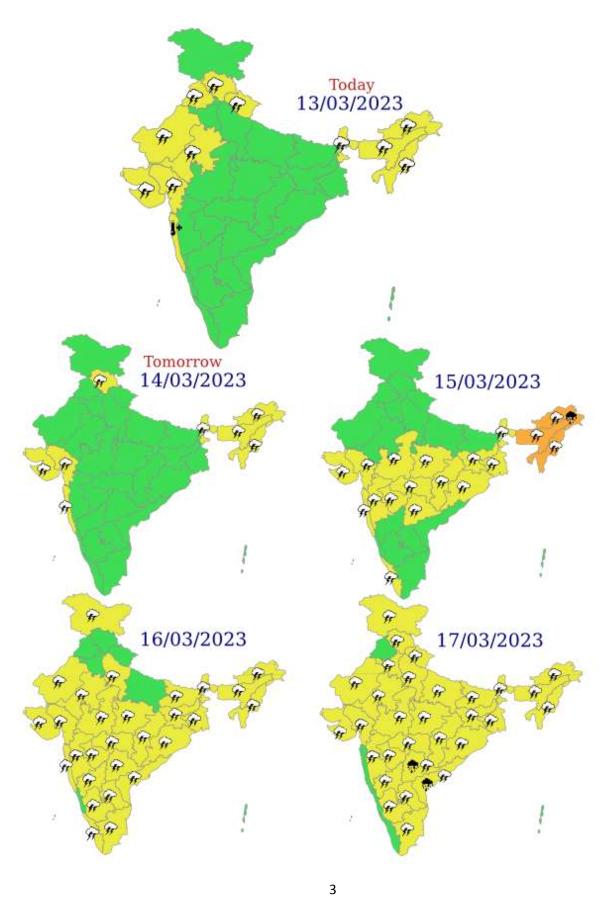
- ❖ A cyclonic circulation lies over south Assam & neighbourhood in lower tropospheric levels. Under its influence:
 - Isolated to Scattered light rainfall activity with **thunderstorm**, **lightning &gusty winds (speed 30-40 kmph)** very likely over Sub-Himalayan West Bengal & Sikkim and northeast India during 13th-14th March, 2023.
- ❖ The **Western Disturbance** as a trough in westerlies in middle & upper tropospheric levels runs roughly along Long. 65°E and to the north of 25°N and an induced cyclonic circulation lies over southwest Rajasthan & neighbourhood in lower tropospheric levels. Under its influence:
 - Isolated to scattered rainfall **with thunderstorm & lightning** very likely over Western Himalayan Region during 13th-15th; over Punjab and Rajasthan on 13th March, 2023. Isolated **hailstorm** activity also likely over Uttarakhand on 13th March.
- ❖ Due to likely interaction of middle tropospheric westerly trough with lower level easterly winds over central parts of Peninsular India, East and Northeast India:
 - Scattered light/moderate rainfall with **thunderstorm**, **lightning & gusty winds** (**speed 30-40 kmph**) likely over north interior Tamil Nadu, Andhra Pradesh, Telangana, Karnataka, Gujarat, Maharashtra, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Odisha, West Bengal and Jharkhand during 15th-17th March and over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh and Rajasthan on 16th & 17th March, 2023.
 - Isolated **hailstorm** activity also likely over northeast Madhya Pradesh, Vidarbha, Chhattisgarh and Telangana on 16th & 17th; over Madhya Maharashtra on 15th & 16th; over Marathawada on 16th and over Himachal Pradesh Uttarakhand, Haryana, West Uttar Pradesh and East Rajasthan on 17th March 2023.
 - Scattered to fairly widespread light to moderate rainfall activity with thunderstorm, lightning & gusty winds (speed 30-40 kmph) likely over Sub-Himalayan West Bengal & Sikkim and northeast India during 15th -17th March and with isolated hailstorm over the region on 15th March, 2023.
 - Isolated **heavy rainfall** likely over Arunachal Pradesh on 15th March, 2023.

Maximum Temperatures Forecast and Heat Wave warnings during next 5 days:

- **❖** Heat wave conditions very likely to occur in isolated pockets over Konkan on 13th March, 2023.
- ❖ **Northwest India**: No significant change in maximum temperatures very likely during next 3 days and fall by 2-3°C thereafter.
- ❖ West India: Gradual fall by 2-4°C in Maximum Temperatures very likely over Gujarat state during next 5 days.
- **❖ Central & East India:** No significant change in maximum temperatures very likely during next 2 days and fall by 2-4⁰C thereafter.
- ❖ **Rest parts of the Country:** No significant change in Maximum Temperatures very likely during next 5 days.

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

Annexure I



Legends:

- **♦ HeavyRain:**64.5to115.5mm;**VeryHeavyRain:**115.6to204.4mm;**ExtremelyHeavyRain:**>20 4.4mm.
- **Region wise classification of meteorological Sub-Divisions:**
 - **NorthwestIndia:**WesternHimalayanRegion(Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad,HimachalPradeshandUttarakhand);Punjab,Haryana-Chandigarh-Delhi;WestUttarPradesh,EastUttarPradesh,WestRajasthanandEastRajasthan.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub- Himalaya West Bengal &Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - **NortheastIndia:**ArunachalPradesh,Assam&MeghalayaandNagaland,Manipur,Mizoram& Tripura.
 - **WestIndia:**GujaratRegion,Saurashtra&Kutch,Konkan&Goa,MadhyaMaharashtraandMara thwada
 - SouthIndia:CoastalAndhraPradesh&Yanam,Telangana,Rayalaseema,CoastalKarnataka,N orthInteriorKarnataka,SouthInteriorKarnataka,Kerala&Mahe,TamilNadu,Puducherry&K araikalandLakshadweep.

