



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 04th March, 2024

Time of Issue: 1330 hours IST

Subject: Rainfall with thunderstorm activity likely over East & Northeast India today and a fresh spell of rainfall/snowfall over Western Himalayan region during night of 05th-07th March, 2024.

Realised weather during past 24 hours till 0830 hours IST of today: (Annexure I)

- ❖ **Light to moderate rainfall/snowfall** at most places over Himachal Pradesh, Uttarakhand; at many places over Arunachal Pradesh and at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad.
- ❖ **Light to moderate rainfall** at most places over Uttar Pradesh; at a few places over East Madhya Pradesh, Gangetic West Bengal, Jharkhand, Bihar, Gujarat Region; at isolated places over Punjab, Haryana-Chandigarh-Delhi, West Madhya Pradesh, Chhattisgarh, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim.
- ❖ Isolated **hailstorm** observed over Himachal Pradesh, Uttarakhand, Chandigarh, Uttar Pradesh and Madhya Pradesh.

Weather Systems and Forecast & Warnings during next 5 days: (Annexure II)

- ❖ **A fresh Western Disturbance likely to affect Western Himalayan Region from the night of 05th March, 2024.** Under its influence; scattered to fairly widespread light/moderate rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and isolated rainfall/snowfall likely over Uttarakhand **during 05th - 07th March, 2024.**
- ❖ A trough runs from East Madhya Pradesh to north Tamil Nadu in lower tropospheric levels. Under its influence, isolated light/moderate rainfall very likely over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim on 04th March, 2024.
- ❖ A cyclonic circulation lies over northeast Assam in lower tropospheric levels. Under its influence and eastward movement of current Western Disturbance:
 - ✓ Scattered to fairly widespread light/moderate rainfall/snowfall very likely over Arunachal Pradesh during next 3 days. Isolated **heavy rainfall/snowfall** likely over Arunachal Pradesh today.
 - ✓ Isolated light/moderate rainfall accompanied with **thunderstorms & lightning** likely over Assam & Meghalaya and Nagaland on 04th & 05th March, 2024.
- ❖ **Hot and humid weather** very likely to prevail over Rayalaseema & Kerala during next 2-3 days.

For more details, kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

Significant amount of rainfall (in cm):

Himachal Pradesh: Manali (dist Kullu) 6, Tissa (dist Chamba) 5, Pto Paonta (dist Sirmaur) 4, Bilaspur Aws (dist Bilaspur) 3, Kataula (dist Mandi) 3, Chuari (dist Chamba) 3, Jogindarnagar (dist Mandi) 3, Chhattrari (dist Chamba) 3, Aghar (dist Hamirpur) 2, Gohar (dist Mandi) 2, Saloni (dist Chamba) 2, Hmo Shillaro (dist Shimla) 2, Bilaspur Sadar (dist Bilaspur) 2, Bhoranj (Hamirpur) 2

Uttarakhand: Nainital-6, Almora, Pthoragarh-5 each, Garhwal Tehri, Kotdwar, Chamoli, Dehradun, Champawat, Bageshwar-4 each, Pantnagar, Ukhimath, Rudraprayag, Hardwar-3

East Madhya Pradesh: Pushprajgarh (dist Anuppur) 6, Anuppur-aws (dist Anuppur) 5, Venkatnagar (dist Anuppur) 3, Gaurihar (dist Chhatarpur) 2, Devendranagar (dist Panna) 2, Bijuri (dist Anuppur) 1, Rewa-aws (dist Rewa) 1, Gonour (dist Panna) 1, Majhuli (dist Sidhi) 1, Dindori-aws (dist Dindori) 1, Patharia (dist Damoh) 1,

East Uttar Pradesh: Fatehpur Tehsil (dist Barabanki) 5, Muhammadi (dist Kheri) 3, Lucknow (dist Lucknow) 3, Elgin Bridge (dist Barabanki) 3, Basti Obsy (dist Basti) 3, Ramnagar (dist Barabanki) 3, Gonda Sadar (dist Gonda) 3

West Uttar Pradesh: Dhampur (dist Bijnor) 4, Najibabad (t) (dist Bijnor) 4, Nagina (dist Bijnor) 4, Bijnor (dist Bijnor) 3, Sahaswan (dist Badaun) 3

Jharkhand: Dhanbad-4, Hazaribagh, Ranchi-3 each, Bokaro, Garhwa, Ramgarh-2 each

Gangetic West Bengal: Burdwan-3, Birbhum, Purulia-2 each, Bankura, Rohtas, Patna-1 each

Bihar: Goplaganj-3, Gaya-2, Begusarai-1

Jammu: Gund (dist Ganderbal) 2, Baramulla Aws (dist Baramula) 1, Tral Arg (dist Pulwama) 1, Bandipora Arg (dist Bandipore) 1, Harran Aws (dist Badgam) 1, Asham Arg (dist Bandipore) 1,

Haryana: Mandkhola Aws (dist Nuh) 2, Faridabad (dist Faridabad) 2, Chhachhrauli (dist Yamuna Nagar) 1, Ballabgarh (dist Faridabad) 1, Punhana (dist Nuh) 1, Kalka (dist Panchkula) 1, Morni (dist Panchkula) 1, Chandigarh (dist Chandigarh) 1, Panchkula (dist Panchkula) 1

Punjab: Ranjit Sagar Dam Site (dist Pathankot) 1

Arunachal Pradesh: Tuting (dist Upper Siang) 1

Yesterday following district's/stations of Himachal Pradesh, Uttarakhand, Uttar Pradesh and Madhya Pradesh reported hailstorm.

Himachal Pradesh: Palampur, Kangra, Shimla

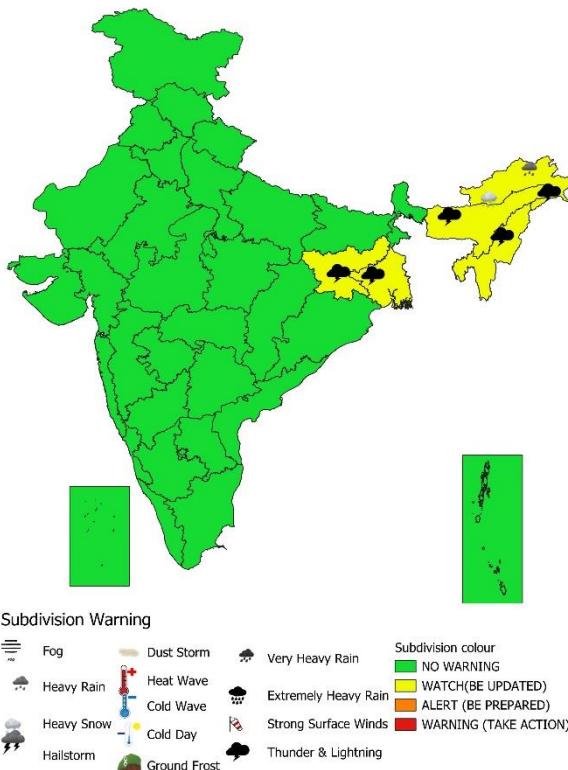
Uttarakhand: Haldwani

Uttar Pradesh: Lucknow, Kanpur, Basti, Fatehgarh, Jalaun, Muzaffarnagar, Orai

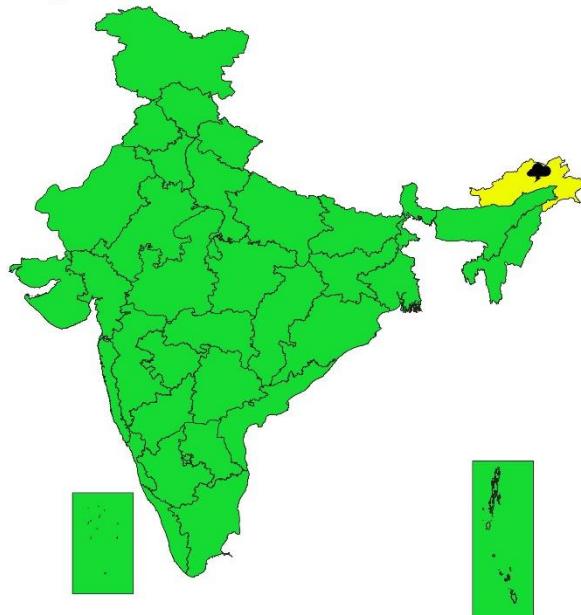
Madhya Pradesh: Bhind, Datia, Singrauli, Stana, Sagar, Damoh, Chhatarpur, Panna, Sidhi, Katni



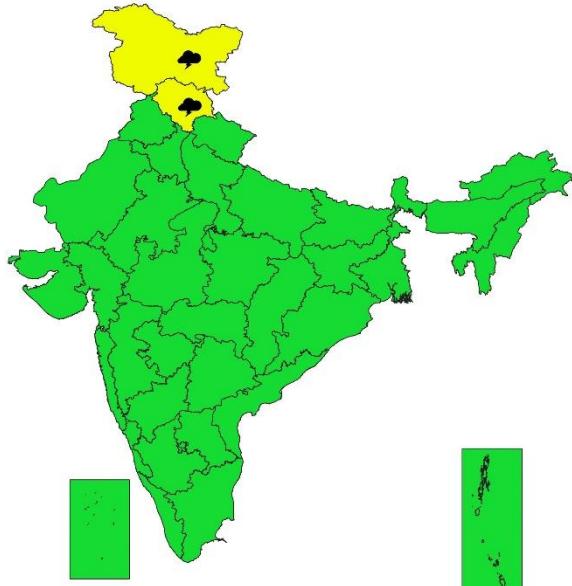
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
04-03-2024



SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
05-03-2024

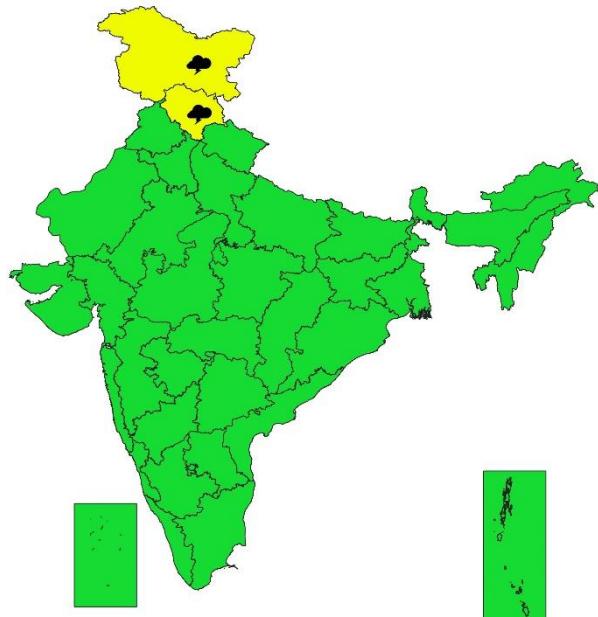


SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
06-03-2024





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
07-03-2024

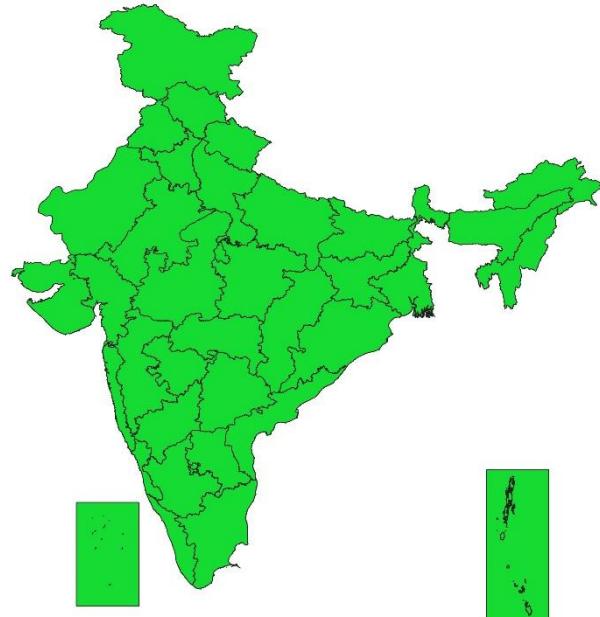


Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		WATCH(BE UPDATED)
	Heavy Snow		Cold Wave		Strong Surface Winds		ALERT (BE PREPARED)
	Hailstorm		Cold Day		Thunder & Lightning		WARNING (TAKE ACTION)
	Ground Frost						



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
08-03-2024



Subdivision Warning

	Fog		Dust Storm		Very Heavy Rain		Subdivision Colour
	Heavy Rain		Heat Wave		Extremely Heavy Rain		WATCH(BE UPDATED)
	Heavy Snow		Cold Wave		Strong Surface Winds		ALERT (BE PREPARED)
	Hailstorm		Cold Day		Thunder & Lightning		WARNING (TAKE ACTION)
	Ground Frost						

Legends & abbreviations:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **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.

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)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH(BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

Probabilistic Forecast

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

Flash Flood Risk

High Risk (Take Action)
Moderate Risk (Be Prepared)
Low Risk (Be Updated)