



All India Impact Based Weather Warning Bulletin

Sunday 19 March 2023
Time of Issue: 0745 hours IST

(MORNING)

19 March (Day 1): ♦ **Heavy to very heavy rainfall** very likely at isolated places over Meghalaya; **Heavy rainfall** at isolated places over Bihar, West Bengal & Sikkim, Arunachal Pradesh, Assam and Coastal Andhra Pradesh & Yanam.

♦ **Thunderstorm accompanied with lightning, hail & gusty wind (30-40 kmph)** very likely at isolated places over Rajasthan, Chhattisgarh; **with lightning & hail** at isolated places over Uttar Pradesh, Uttarakhand; **with lightning & gusty wind (40-50 kmph)** over Gangetic West Bengal, Odisha; **with lightning & gusty wind (30-40 kmph)** over East Madhya Pradesh, Punjab, Haryana, Chandigarh & Delhi, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Bihar, Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema; **with lightning** over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, West Madhya Pradesh, Vidarbha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Kerala & Mahe, South Interior Karnataka and Tamilnadu, Puducherry & Karaikal.

20 March (Day 2): ♦ **Heavy to very heavy rainfall** very likely at isolated places over south Assam & Meghalaya; **Heavy rainfall** at isolated places over Bihar, Sub-Himalayan West Bengal, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.

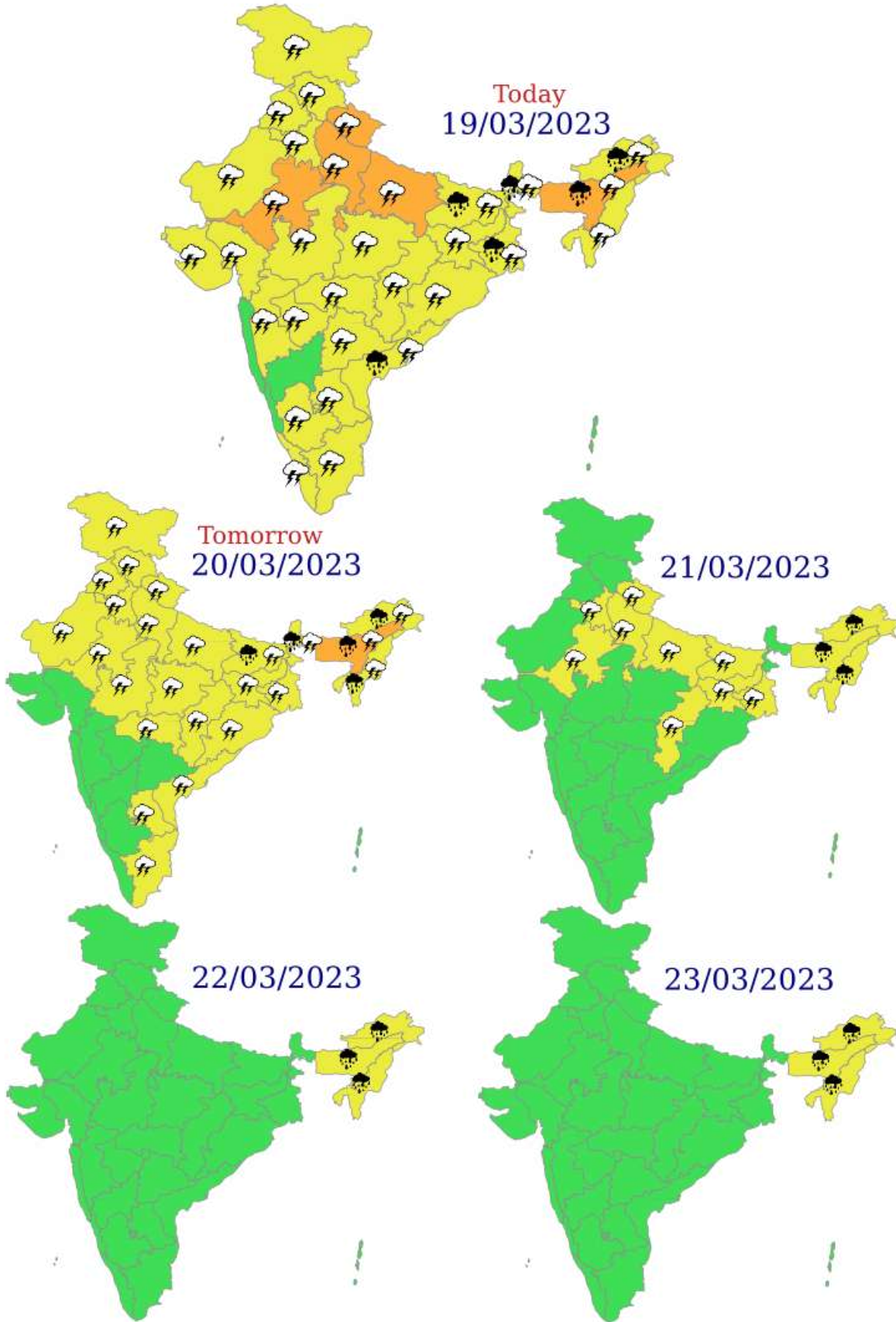
♦ **Thunderstorm accompanied with lightning, hail & gusty wind (30-40 kmph)** very likely at isolated places over East Rajasthan; **with lightning & hail** over West Uttar Pradesh, Uttarakhand; **with lightning & gusty wind (30-40 kmph)** over Jharkhand, West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam, Rayalaseema; **with lightning** over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Bihar, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal.

21 March (Day 3): ♦ **Heavy rainfall** likely at isolated places over Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning & hail** likely at isolated places over Uttarakhand; **with lightning & gusty wind (30-40 kmph)** over Jharkhand; **with lightning** over Uttar Pradesh, Haryana, Chandigarh, East Rajasthan, Gangetic West Bengal, Chhattisgarh and Bihar.

22 March (Day 4): ♦ **Heavy rainfall** likely at isolated places over Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.

23 March (Day 5): ♦ **Heavy rainfall** likely at isolated places over Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.





Impact expected and action suggested due to Isolated Thunderstorm/lightning/Squall & Hailstorm over;

- **19th March:** Uttar Pradesh, Uttarakhand, Rajasthan, Chhattisgarh
- **20th March:** West Uttar Pradesh, Uttarakhand and East Rajasthan.
- **21st March:** Uttarakhand.

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.

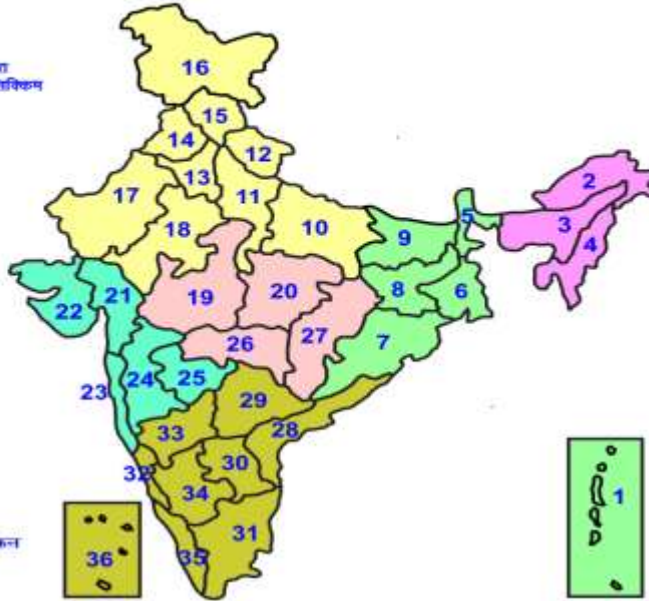
Advisory for farmers:

- Postpone harvesting of crops in Punjab, Haryana and West Madhya Pradesh; if already harvested, store at safe places to avoid losses. Withhold irrigation to wheat to avoid lodging.
- Carry out harvesting of matured mustard and chickpea in Rajasthan and mustard, chickpea and wheat in East Madhya Pradesh at the earliest and store them in safe place.
- Carry out harvesting of wheat, pulses and grapes in Madhya Maharashtra at the earliest and store them in safe place. Postpone harvesting of crops in Marathwada. Use the skirting bags or aluminium coated paper for grape bunches to protect from rains.
- Use hail nets to protect orchards.



LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मिजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम गंगेय बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एवं दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एवं कश्मीर एवं लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एवं कच्छ
- 23 कोंकण एवं गोवा
- 24 मध्य महाराष्ट्र
- 25 मध्यमहाराष्ट्र
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 उत्तरी आंध्र प्रदेश एवं वनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 अंतरीक उत्तरी कर्नाटक
- 34 अंतरीक दक्षिणी कर्नाटक
- 35 केरल एवं माहे
- 36 लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. 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)

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

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



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

Kindly download **MAUSAM APP** for location specific forecast & warning, **MEGHDOOT APP** for Agromet advisory and **DAMINI APP** for Lightning Warning & visit state MC/RMC websites for district wise warning.