

Thursday, September 21, 2023  
Time of Issue: 0800 hours IST  
(MORNING)

**All India Impact Based Weather Warning Bulletin**

**21 September (Day 1): -**

- ❖ **Heavy to very heavy rainfall** very likely at isolated places over Chhattisgarh, Sub-Himalaya West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur and **heavy rainfall** at isolated places over Madhya Pradesh, Vidarbha, Gangetic West Bengal, Bihar, Jharkhand, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- ❖ **Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Kerala & Mahe and **with lightning** at isolated places over Uttarakhand, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, West Bengal & Sikkim, Bihar, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** likely over Southwest and adjoining Westcentral & Eastcentral Arabian Sea and **Squally weather** (wind speed reaching 40-45 kmph gusting to 55 kmph) over Westcentral & northwest Bay of Bengal along & off West Bengal-Odisha-north Andhra Pradesh coasts. **Fishermen are advised not to venture into these areas.**

**22 September (Day 2): -**

- ❖ **Heavy to very heavy rainfall** very likely at isolated places Sub-Himalaya West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and **heavy rainfall** at isolated places over East Uttar Pradesh, Madhya Pradesh, Andaman & Nicobar Islands, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Chhattisgarh, Nagaland, Manipur, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Thunderstorm with lightning** very likely at isolated places over Uttarakhand, Punjab, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** likely over Southwest and adjoining Westcentral Arabian Sea. **Fishermen are advised not to venture into these areas.**

### 23 September (Day 3): -

- ❖ **Heavy to very heavy rainfall** very likely at isolated places Arunachal Pradesh, Assam & Meghalaya and **heavy rainfall** at isolated places over West Madhya Pradesh, Andaman & Nicobar Islands, Sub-Himalaya West Bengal & Sikkim, Bihar, Nagaland, Manipur.
- ❖ **Thunderstorm with lightning** very likely at isolated places over East Uttar Pradesh, Madhya Pradesh, Andaman & Nicobar Islands, Gangetic West Bengal, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Marathwada, Madhya Maharashtra, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** likely over Southwest and adjoining Westcentral Arabian Sea. **Fishermen are advised not to venture into these areas.**

### 24 September (Day 4): -

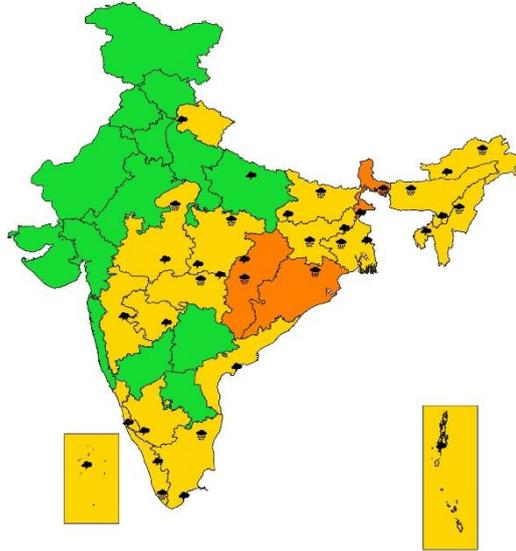
- ❖ **Heavy rainfall** at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya.
- ❖ **Thunderstorm with lightning** likely at isolated places over East Uttar Pradesh, Madhya Pradesh, Andaman & Nicobar Islands, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** likely over Southwest and adjoining Westcentral Arabian Sea. **Fishermen are advised not to venture into these areas.**

### 25 September (Day 5): -

- ❖ **Heavy rainfall** at isolated places over Andaman & Nicobar Islands, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya.
- ❖ **Thunderstorm with lightning** likely at isolated places over East Uttar Pradesh, Bihar, Madhya Pradesh, Andaman & Nicobar Islands, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Squally wind speed of 45-55 kmph gusting to 65 kmph** likely over Southwest and adjoining Westcentral Arabian Sea. **Fishermen are advised not to venture into these areas.**



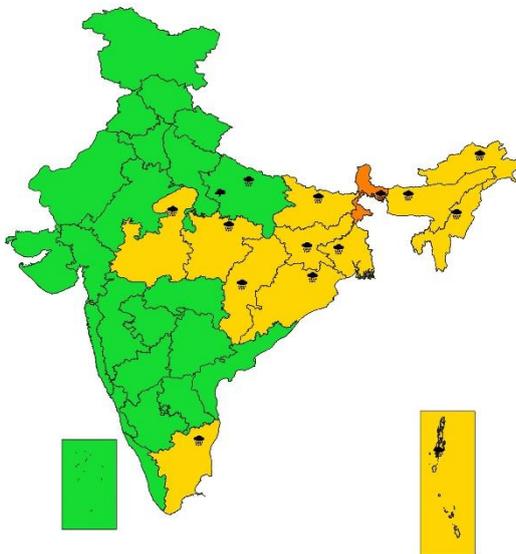
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
( 21-9-2023 )



- |                             |                        |                         |
|-----------------------------|------------------------|-------------------------|
| 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) |



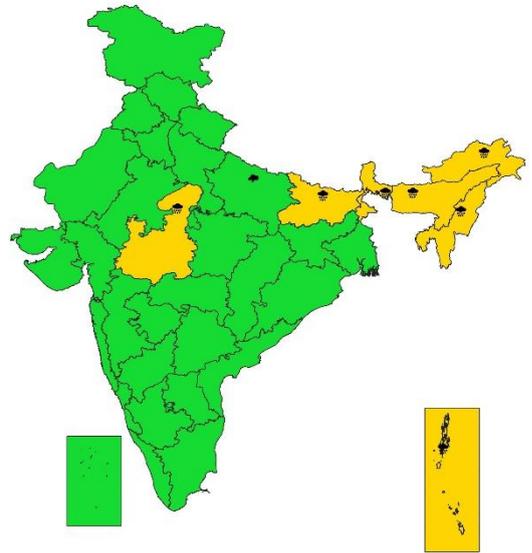
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 22-9-2023 )



- |                             |                        |                         |
|-----------------------------|------------------------|-------------------------|
| 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) |

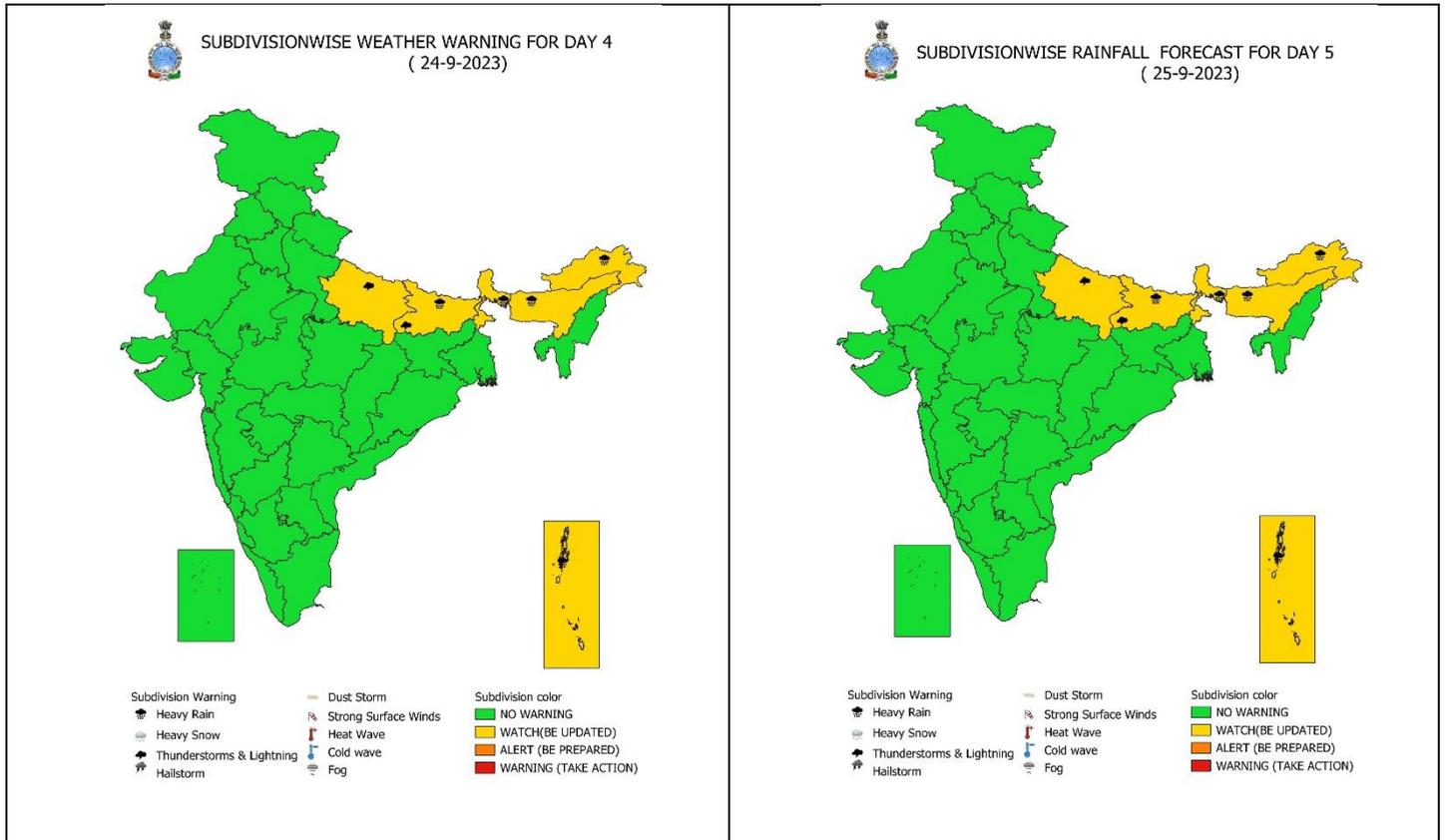


SUBDIVISIONWISE WEATHER WARNING FOR DAY 3  
( 23-9-2023 )



- |                             |                        |                         |
|-----------------------------|------------------------|-------------------------|
| 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) |

**\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".**  
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day For more details kindly visit <https://mausam.imd.gov.in> or contact : 011-2434-4599  
(Service to the Nation since 1875)



**Impact & Action Suggested due to very heavy rainfall** over Odisha and Chhattisgarh on 21<sup>st</sup> and Sub-Himalayan West Bengal & Sikkim on 21<sup>st</sup> & 22<sup>nd</sup> September.

#### 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.

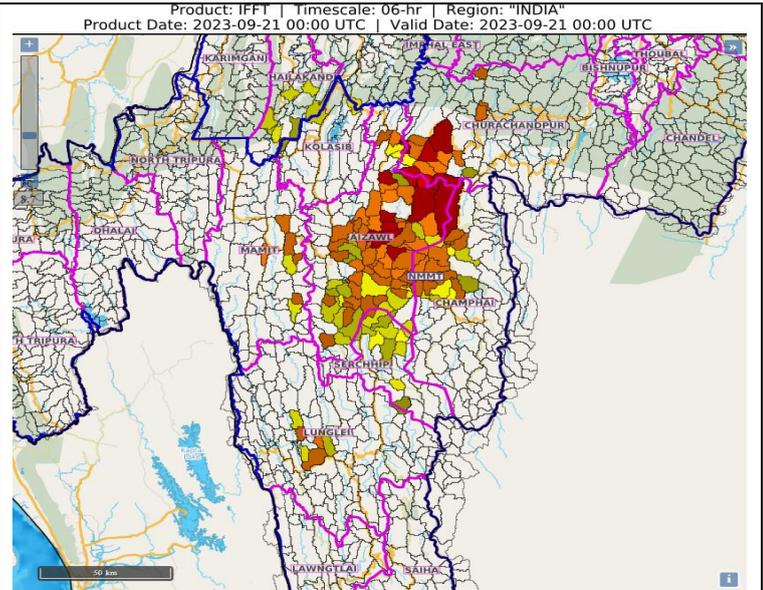
#### Action suggested:

- 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.

### Observed Flash Flood Threat (IFFT) till 0530 IST of 21-09-2023 :

**Moderate flash flood threat** observed over few watersheds & neighbourhoods of following Met Sub-divisions during last 6 hours.

**NMMT** - Churachandpur, Aizawl, Champhai, Mamit, Serchhip and Longleng districts.

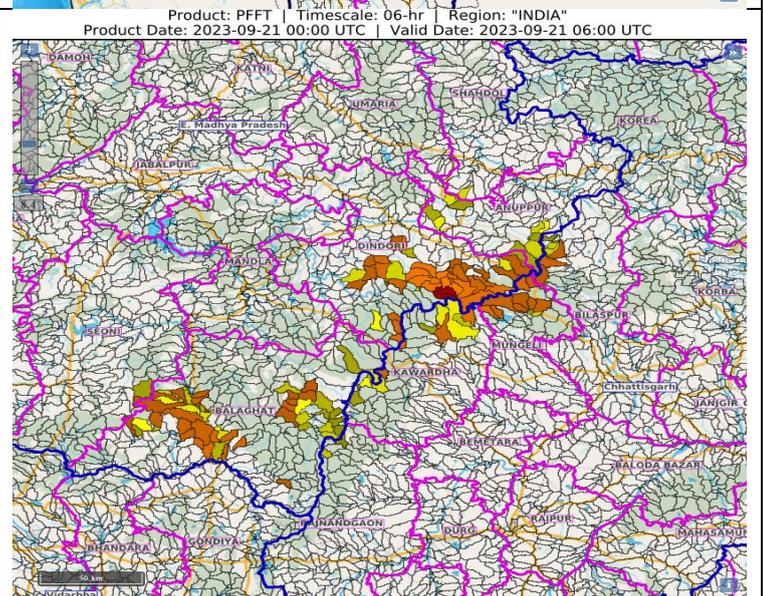


### Persistent Flash Flood Threat (PFFT) till 1130 IST of 21-09-2023 :

**Low flash flood threat** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours.

**Chhattisgarh** - Bilaspur, Kabirdham, Mungeli and Rajnandgaon districts.  
**East Madhya Pradesh** - Anuppur, Balaghat, Dindori and Seoni districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 6 hours.

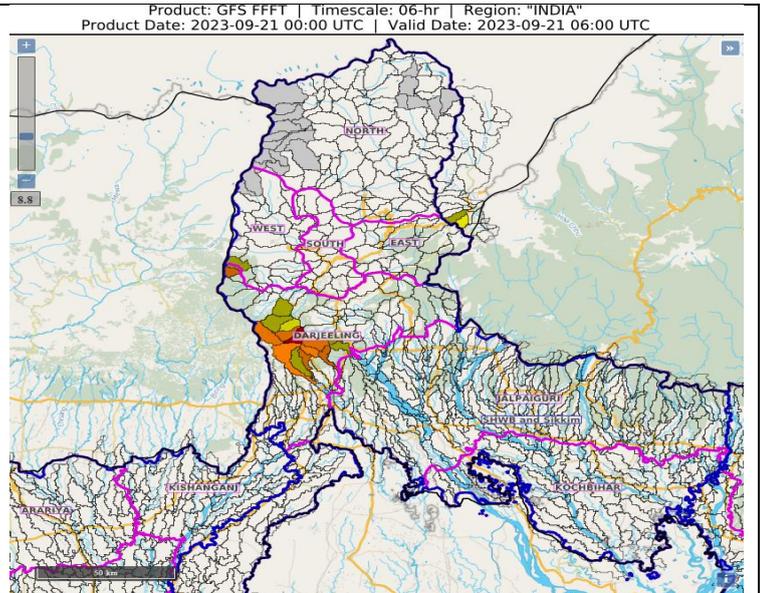


## Persistent Flash Flood Threat (PFFT) till 1130 IST of 21-09-2023 :

**Moderate flash flood threat** likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours.

**SHWB & Sikkim** - West Sikkim and Darjeeling districts.

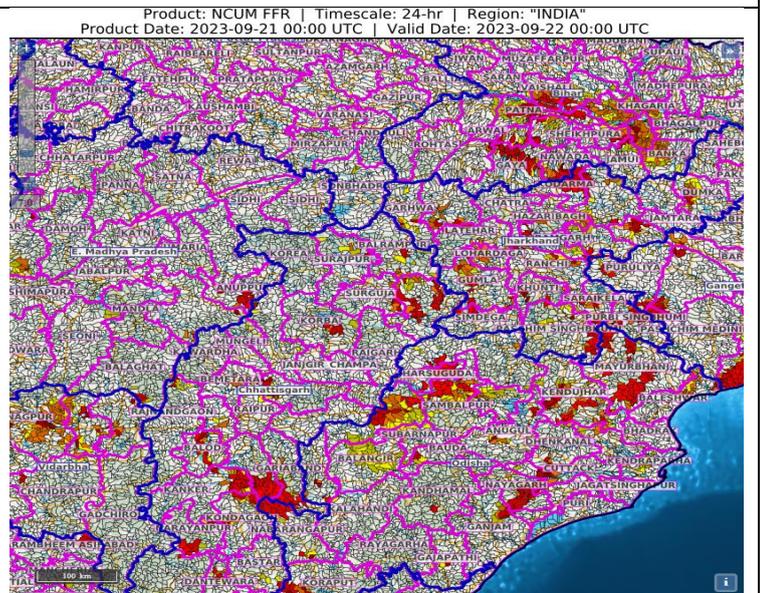
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 6 hours.



## 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 22-09-2023 :

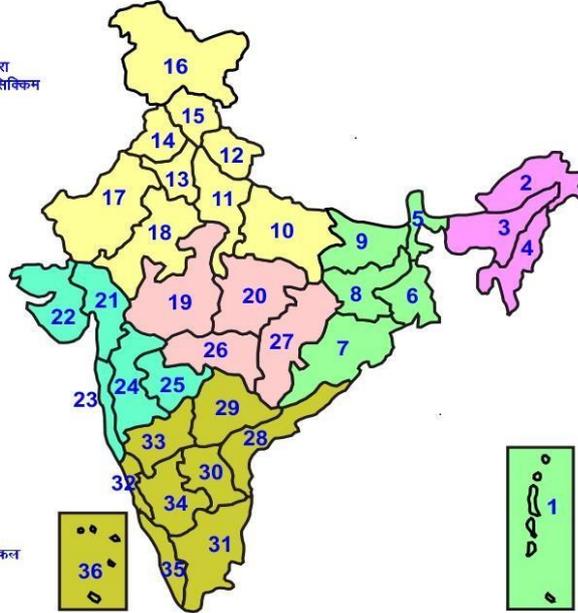
**Low flash flood risk** likely over few watersheds & neighbourhoods of **Chhattisgarh, Bihar, Odisha** and **Jharkhand** Met Sub-divisions during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



## LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम 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 एवंम 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 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एवं कराईकल
- 32 तटिय कर्नाटक
- 33 अंतरिक उत्तरी कर्नाटक
- 34 अंतरिक 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.