



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

Press Release

Date: 27th May, 2023

Time of Issue: 1400 hours IST

Subject: Rain/Thunderstorms likely to continue over Northwest India during 27th-30th May and reduction thereafter.

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Annexure I)

Advance of southwest monsoon:

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 5°N/85°E, 6.5°N/90°E, Nancowry and 10°N/98°E (**Annexure II**).
- ❖ Conditions are favourable for further advance of southwest monsoon into some more parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands during next 2 days.

Significant Meteorological features:

- ❖ A Western Disturbance lies over north Pakistan.
- ❖ A cyclonic circulation lies over northwest Rajasthan & adjoining Pakistan and a trough runs from this to north Madhya Pradesh in lower tropospheric levels.
- ❖ Another trough runs from Sub-Himalayan West Bengal to interior Odisha in lower tropospheric levels.
- ❖ Strong southwesterly winds from Bay of Bengal to northeast India are prevailing at lower tropospheric levels.
- ❖ A fresh Western Disturbance is likely to affect Northwest India from 29th May, 2023.

Forecast and warning over the country during next 5 days:

Northwest India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm, lightning & occasional gusty winds/squall very likely over Northwest India during next 4-5 days.
- ❖ **Hailstorm** very likely at isolated places over East Uttar Pradesh on 27th and over north Rajasthan on 28th & 29th May.
- ❖ **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over Haryana & Delhi on 27th; over Uttar Pradesh and Rajasthan on 27th & 28th May.
- ❖ **Heavy rainfall** very likely at isolated places over Haryana & northeast Rajasthan on 27th; northwest Uttar Pradesh on 27th & 28th May.

Northeast India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely to continue over Assam & Meghalaya and Mizoram & Tripura during next 24 hours and reduction thereafter.
- ❖ **Heavy rainfall** at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland 27th May, 2023.

Central India:

- ❖ Light/moderate isolated to scattered rainfall with thunderstorm/lightning/gusty winds very likely over Madhya Pradesh during next 3 days.
- ❖ **Hailstorm** very likely at isolated places over East Madhya Pradesh on 27th May.

East India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over West Bengal & Sikkim, Bihar and Jharkhand during next 2 days.
- ❖ **Heavy rainfall** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 27th May.

South India:

- ❖ Light/moderate fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala and isolated to scattered rainfall over Karnataka, Tamilnadu and Andhra Pradesh during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Tamil Nadu on 27th May and over Kerala during 27th-29th May and over South Interior Karnataka on 29th May.

Observed Maximum Temperatures and Heat Wave conditions:

- ❖ Yesterday, Maximum Temperatures were in the range of 38-42°C over many parts of Vidarbha, Telangana, Rayalaseema, south Coastal Andhra Pradesh and Marathwada some parts of Gujarat Region, southwest Rajasthan and Madhya Pradesh and 30-34°C over rest parts of the plains of country.
- ❖ Maximum Temperatures were below normal by 6-8°C over parts of Northwest India & adjoining Central India and near normal over rest parts of the country.

Maximum Temperature Forecast and Heat Wave Warnings (Graphics in Annexure III):

- ❖ No significant change in maximum temperatures very likely over Central India during next 3 days and over West & East India during next 24 hours and rise by 2-3°C thereafter. No significant change in maximum temperature very likely over rest parts of the country during next 5 days.
- ❖ No heat wave conditions very likely in any parts of the country during next 5 days.

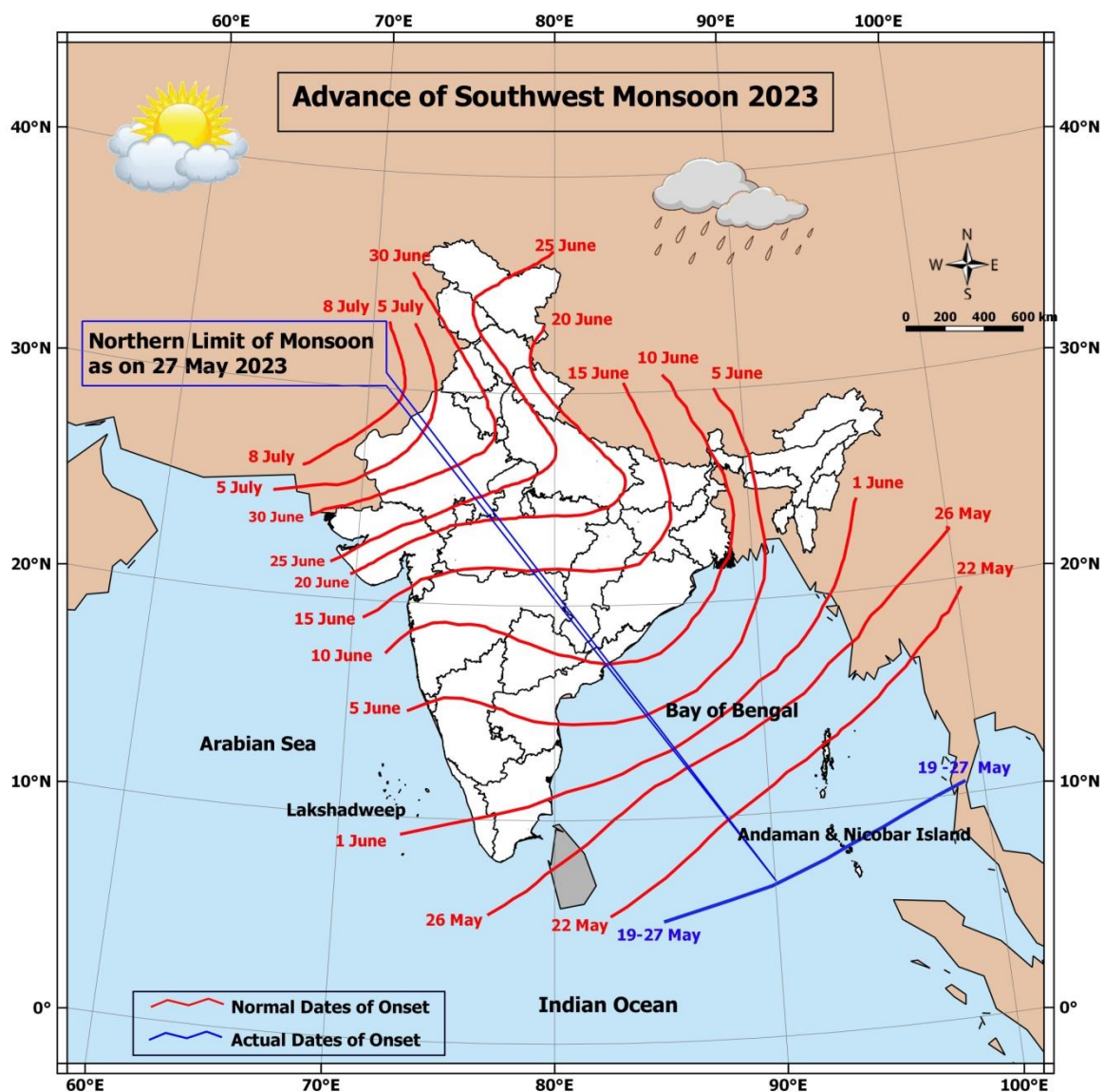
For more details kindly refer:

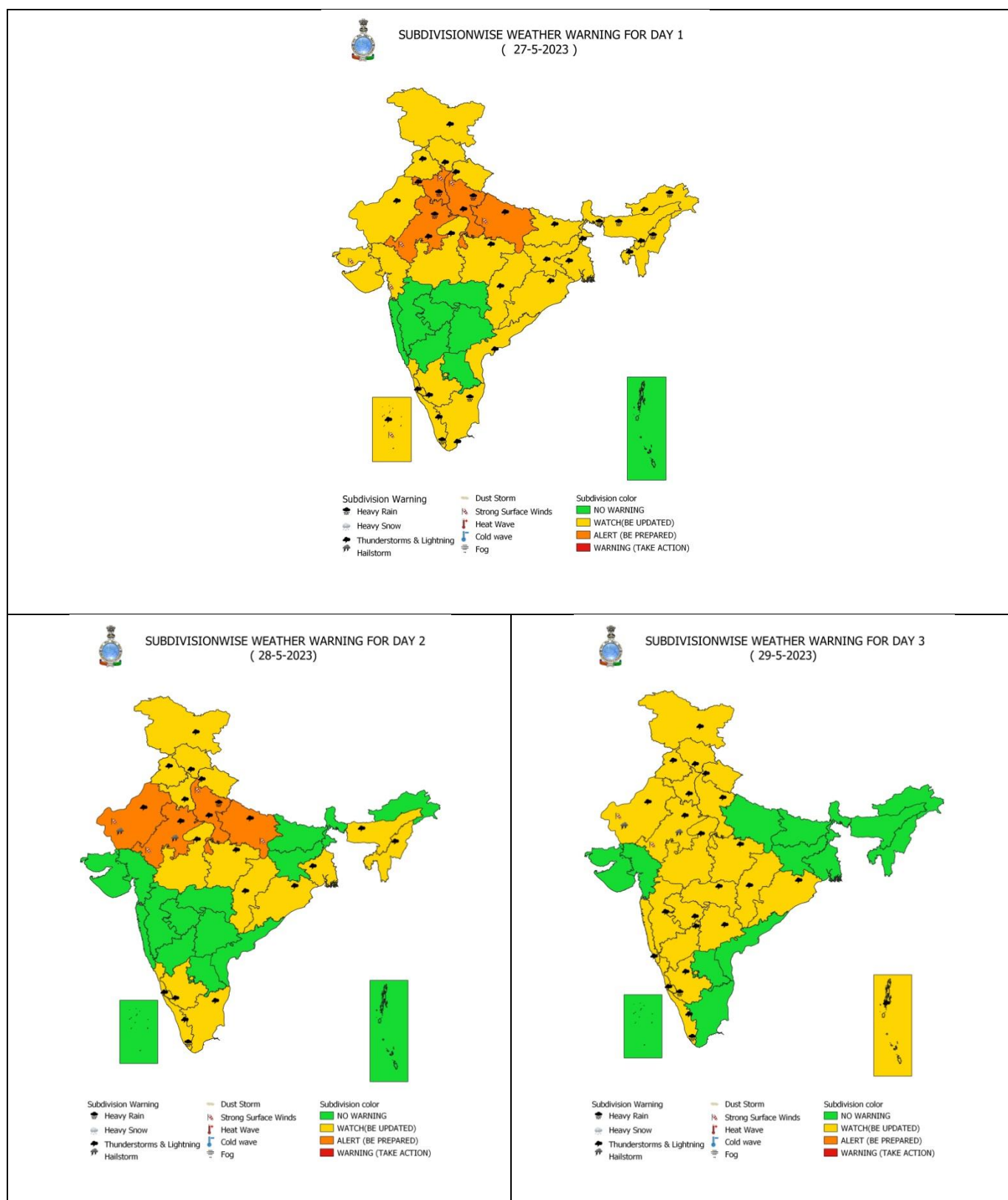
https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

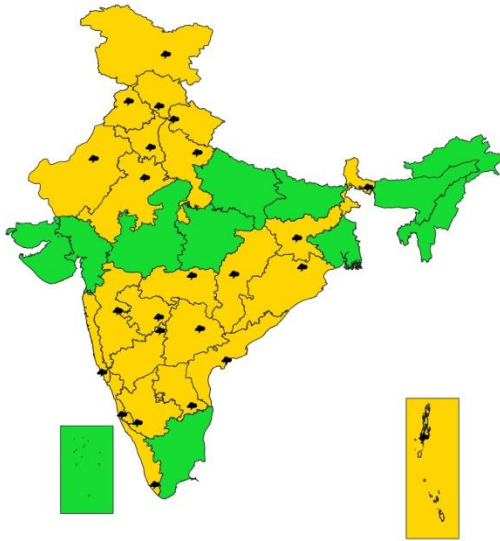
- **Rainfall/thundershowers** observed **at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Haryana, Chandigarh & Delhi, Lakshadweep, West Bengal & Sikkim; **at many places** over Assam & Meghalaya, Jharkhand; **at a few places** over Himachal Pradesh, Uttar Pradesh, East Rajasthan, Bihar, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala, Andaman & Nicobar Islands; **at isolated places** over Uttarakhand, Punjab, West Rajasthan, Odisha, Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathawada, North Interior Karnataka and Coastal Andhra Pradesh.
- **Heavy to very heavy Rainfall** observed at isolated places over Tamil Nadu and **heavy rainfall** at isolated places over East Rajasthan, Sub-Himalayan West Bengal and Jharkhand.
- **Significant rainfall recorded** (in cm): **Assam & Meghalaya:** Majuli (dist Jorhat) 6, Jonai Arg (dist Dhemaji) 5., **Arunachal Pradesh:** Bhalukpong (dist West Kameng) 6, Tuting (dist Upper Siang) 4, **Kerala:** Venkurinji AWS (Pathanamthitta district) & Munakkal AWS (Thrissur ditrict) 9, Vakkad AWS (Malappuram District) 7; **East Rajasthan:** Mandal Sr (dist Bhilwara) 11, Lachmangarh (dist Sikar) 5, Fatehpur (dist Sikar) 5; **West Rajasthan:** Rawatsar Sr (dist Hanumangarh) 6, Taranagar / Reni (dist Churu) 5; **Odisha:** Kujanga (dist Jagatsinghpur) 5, Jagatsinghpur (dist Jagatsinghpur) 5; **Tamil Nadu:** Namakkal Collectorate (dist Namakkal) 12, Pwd Travellers Bungalow (dist Sivaganga), Kodanad (dist Nilgiris) 8 each; Thanjavur Pto (dist Thanjavur), Perundurai (dist Erode), Palavidithi (dist Karur) 6 each; **Punjab:** Sangrur (dist Sangrur) 4, Handiaya Hmo (dist Barnala) 4, **Haryana:** Ganaur (dist Sonapat) 5, Rohtak (dist Rohtak) 5, Rania (dist Sirsa) 4, **Sub-Himalayan West Bengal:** Jalpaiguri-10, **Gangetic West Bengal:** Bankura-5; Darzeeling-6; **Bihar:** Bhojpur, Buxar, Saran-5 each.
- **Hailstorm** observed at isolated places over West Madhya Pradesh, West Rajasthan, Odisha and Jharkhand.
- **Squally Winds speed reaching 60-70 kmph** prevailed at isolated places over Delhi, Gangetic West Bengal and Bihar.
- **Gusty winds** observed in some places over Madhya Pradesh and Chhattisgarh.
- **Duststorm** observed at isolated places over Rajasthan.







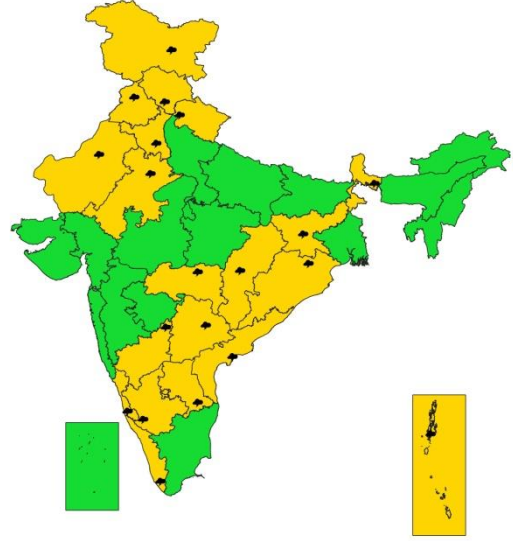
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(30-5-2023)



- | | | |
|----------------------------|----------------------|--------------------------|
| 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 5
(31-5-2023)



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

Impact expected and action suggested due to isolated thunder squall with lightning/gusty winds & Hailstorm over

- ✓ **27th May:** Uttar Pradesh, Rajasthan, Haryana, Delhi
- ✓ **28th & 29th May:** Rajasthan

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 rainfall, thunderstorms/gusty winds and heat wave likely over various parts of the country (Based on the IBF and advisories issued by different AMFUs and DAMUs)

- Make necessary arrangement for draining out excess water from crop fields to avoid water stagnation in Haryana, North West Uttar Pradesh, North East Rajasthan, Sub- Himalayan West Bengal & Sikkim, North-Eastern states, Tamil Nadu and Kerala.
- Provide mechanical support to horticultural crops and staking to vegetables.
- Use hail nets to protect orchards in Rajasthan.














Legends:

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

❖ **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-Himalaya 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, Tamilnadu, 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