



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 26th May, 2023

Time of Issue: 1415 hours IST

Subject: Present Active Western Disturbance likely to continue to affect Northwest India till today, 26th May, 2023.

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 cyclonic circulation lies over north Pakistan & adjoining Punjab in lower tropospheric levels.
- ❖ A Trough runs from south Haryana to Sikkim in lower tropospheric levels.
- ❖ These systems are likely to move across Northwest India till 26th May.
- ❖ It will be accompanied by moisture supply from Arabian Sea to northwest India during the same period.
- ❖ A trough runs from southeast Madhya Pradesh to South Interior Karnataka and another from north Bihar to north Odisha in lower tropospheric levels.
- ❖ Strong southwesterly winds from Bay of Bengal to northeast India are prevailing at lower tropospheric levels.

Forecast and warning over the country during next 5 days:

Northwest India:

- ❖ Light/moderate rainfall at many places with thunderstorm, lightning & occasional gusty winds/squall very likely over Northwest India on 26th May and gradual reduction thereafter.
- ❖ **Hailstorm** very likely at isolated places over Uttarakhand and north Rajasthan on 26th May.
- ❖ **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over West Uttar Pradesh and Rajasthan on 26th May.
- ❖ **Heavy rainfall** very likely at isolated places over Rajasthan on 26th, 28th & 29th 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 Mizoram & Tripura on 26th May, 2023.

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 26th May.
- ❖ **Hailstorm** very likely at isolated places over Odisha on 26th & 27th May.
- ❖ **Thunderstorm/Gusty Wind speed reaching 40-50 kmph** likely at isolated places over West Bengal and Bihar on 26th May.

South India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala and isolated to scattered rainfall over interior Karnataka, Tamilnadu, Andhra Pradesh during next 2 days.
- ❖ **Heavy rainfall** very likely at isolated places over Tamil Nadu on 26th & 27th May and over Kerala during 26th-29th May.

No significant weather likely over remaining parts of the country during next 5 days.

Observed Maximum Temperatures and Heat Wave conditions:

- ❖ Yesterday, Maximum Temperatures were in the range of 40-42°C over many parts of Vidarbha, Chhattisgarh; some parts of Gangetic West Bengal, Odisha, Jharkhand, Gujarat stare, Southwest Rajasthan, Madhya Pradesh, Telangana, Coastal Andhra Pradesh North Tamil Nadu and below 40°C over rest parts of the country.
- ❖ Maximum Temperatures were below normal by 2-6°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 West, Central & East India during next 3 days 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.

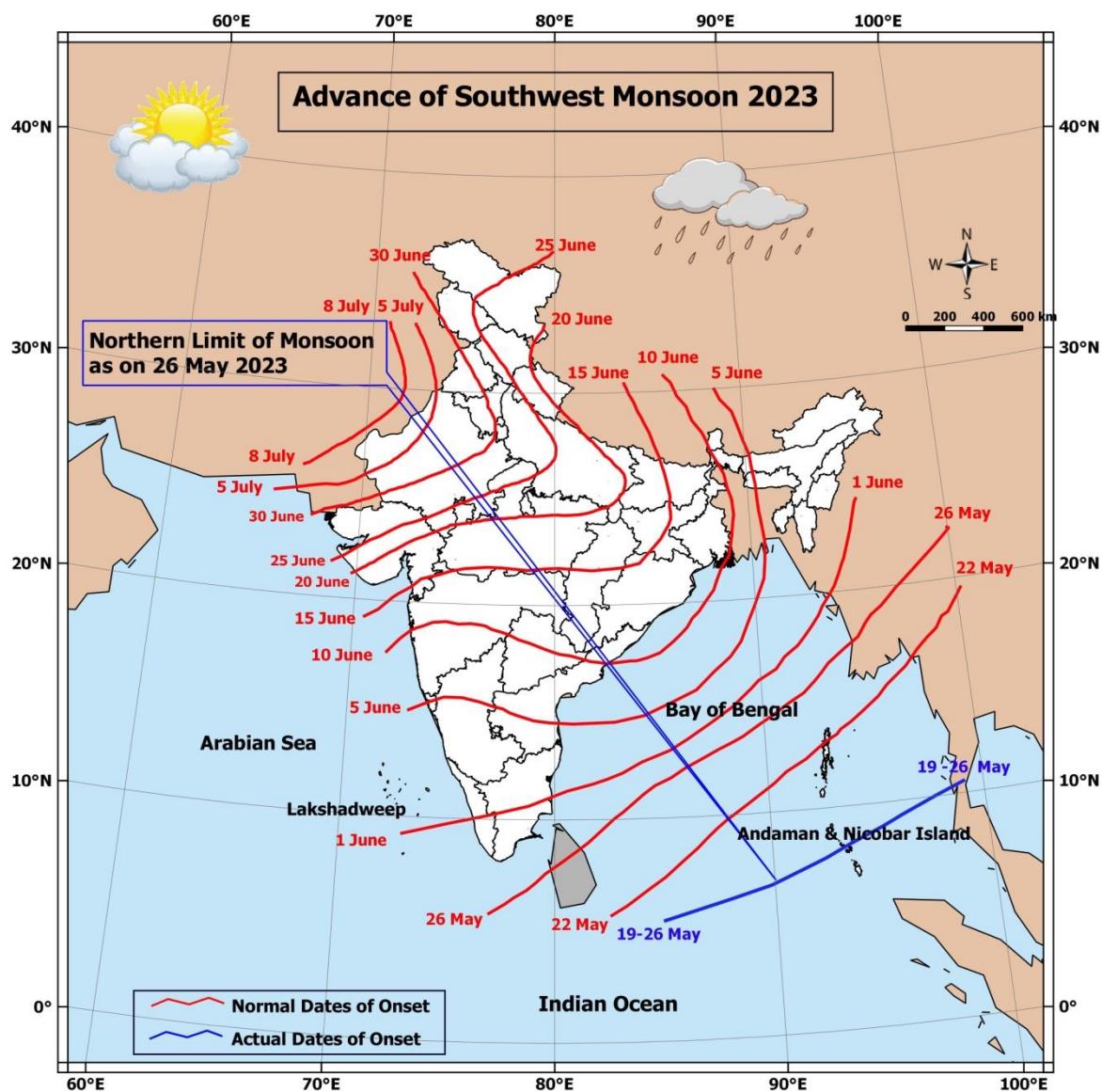
For more details kindly refer:

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

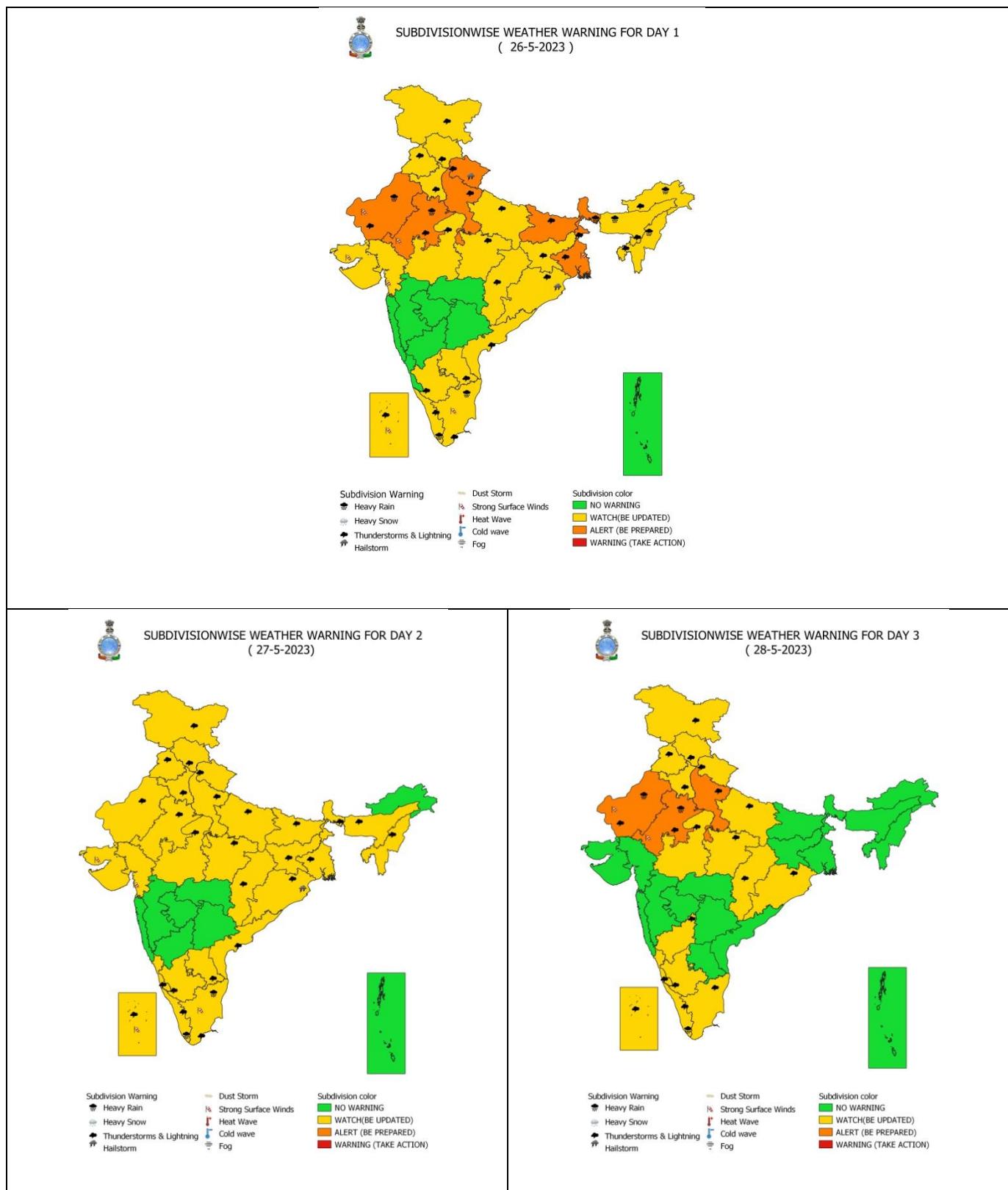
<https://mausam.imd.gov.in/responsive/districtWiseNowcast.php>

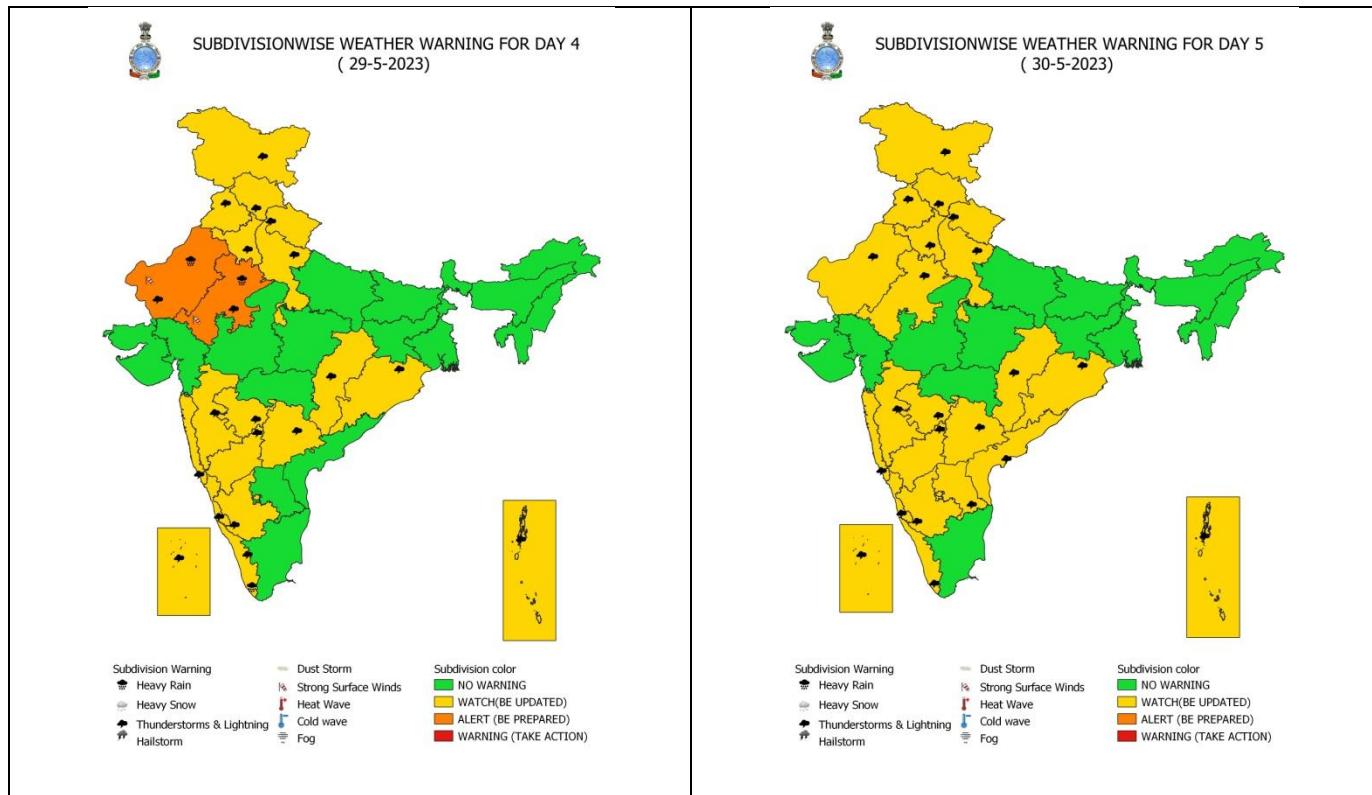
Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- **Rainfall/thundershowers** observed **at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim; **at many places** over Punjab, Rajasthan, Haryana, Chandigarh & Delhi, Andaman & Nicobar Islands, Bihar, Kerala; **at a few places** over Lakshadweep, Coastal Andhra Pradesh, South Interior Karnataka; **at isolated places** over Jharkhand, Odisha, Madhya Pradesh, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Coastal & North Interior Karnataka, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- **Heavy Rainfall** observed at isolated places over West Rajasthan, West Bengal, Odisha, Arunachal Pradesh, Assam & Meghalaya, Tripura, Tamil Nadu and Kerala.
- **Significant rainfall recorded** (in cm): **Assam & Meghalaya:** Cherrapunji (dist East Khasi Hills) 11, Badatighat (dist Lakhimpur) 9, Khowang (dist Dibrugarh) 7, **Arunachal Pradesh:** Itanagar (dist Papumpara) 7, Naharlagun (dist Papumpara) 5, **Nagaland, Manipur, Mizoram & Tripura:** Chhamonu (dist Dhalai) 8, Kanchanpur (dist North Tripura) 6, **Kerala:** Venkurinji AWS (Pathanamthitta district) & Munakkal AWS (Thrissur district) 9, Vakkad AWS (Malappuram District) 7; **West Rajasthan:** Makrana Sr (dist Nagaur) 8, Kolayat Magra (dist Bikaner) 7, Lunkaransar (dist Bikaner) 6, Parbatsar (dist Nagaur) 5; **Odisha:** Mundali (dist Cuttack) 8, Naraj (dist Cuttack) 6, Kotpad (dist Koraput) 6; **Tamil Nadu:** Shoolagiri (dist Krishnagiri) 7, Chinnar Dam (dist Krishnagiri) 6; **East Rajasthan:** Jaipur Tehsil Sr (dist Jaipur) 6, Malpura (dist Tonk) 5, Lachmangarh (dist Sikar) 5, Pilani (dist Jhunjhunu) 5; **Himachal Pradesh:** Solan-5, Bilaspur-3; **Uttarakhand:** Champawat-4, Haldwani-3; **South Interior Karnataka:** Kollegal (dist Chamarajanagar) 4, Konanur (dist Hassan) 4; **Coastal Andhra Pradesh:** Mentada (dist Vizianagaram) 4, Jiyyamma Valasa (dist Parvathipuram Manyam) 4; **Uttar Pradesh:** Balrampur, Kannuaj, Rampur-4 each; **Punjab:** Gurudaspur (dist Gurdaspur) 3, **Haryana:** Kanina (dist Mahendragarh) 3, Rewari (dist Rewari) 2, **West Bengal:** Burdwan-9, Jalpaiguri-8, Darjeeling-6.
- **Hailstorm** observed at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Rajasthan, Madhya Pradesh and Jharkhand.
- **Squally Winds speed reaching 60-70 kmph** prevailed at isolated places over Punjab, Rajasthan, Gangetic West Bengal and Bihar.
- **Gusty winds** observed in some places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Odisha, Madhya Pradesh, Chhattisgarh and Jharkhand.
- **Moderate to severe Duststorm** observed at isolated places over Rajasthan.



Annexure III





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

- ✓ **26th May:** Uttarakhand, Uttar Pradesh, Rajasthan, West Bengal & Sikkim, Bihar
- ✓ **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 Jammu & Kashmir, Himachal Pradesh, Uttarakhand, 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 Uttarakhand, Rajasthan and Odisha.

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 Widespred (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