



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

Press Release

Date: 26th July, 2023

Time of Issue: 1245 hours IST

Subject: (i) Extremely heavy rainfall activity likely over Konkan & Goa, Madhya Maharashtra, Coastal Karnataka, Coastal Andhra Pradesh & Telangana during next 2 days and decrease thereafter.

(ii) Isolated heavy to very heavy rainfall likely over Himachal Pradesh, Uttarakhand, north Haryana & Chandigarh and West Uttar Pradesh during next 3 days decrease thereafter.

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

Significant Weather features:

- ❖ The **Well Marked Low Pressure Area** over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts persists. It is likely to move slowly northwestwards across north Andhra Pradesh-south Odisha coasts.
- ❖ The Monsoon Trough is active and is south of its normal position. It is gradually shift northwards during next 2-3 days.
- ❖ The shear zone now runs roughly along Lat. 20° N in lower & middle tropospheric levels tilting southwards with height.
- ❖ A Western Disturbance is seen as a trough in middle tropospheric westerlies roughly along Long. 70°E to the north of 32°N.

Weather Forecast and Warning (Annexure II):

Northwest India: Light/Moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** is very likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana-Chandigarh-Delhi and West Uttar Pradesh during 26th-29th; over East Uttar Pradesh during 28th-30th; over Rajasthan and Jammu and Kashmir during 26th-28th July, 2023.

Isolated very heavy rainfall also likely over Himachal Pradesh & Uttarakhand during 26th-28th; over Haryana, Chandigarh and West Uttar Pradesh on 26th & 27th July, 2023.

Central India: Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** is very likely over the region during 26th-29th July.

Isolated extremely heavy falls also likely over Vidarbha on 26th & 27th July.

Isolated very heavy rainfall also likely over Chhattisgarh during 26th-28th July.

West India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy to very heavy rainfall** very likely to continue over Konkan & Goa and ghat areas of Madhya Maharashtra during 26th-29th July and **isolated heavy rainfall** over Gujarat Region and Marathwada on 26th & 27th July, 2023.

Isolated extremely heavy rainfall very likely over Konkan & Goa and ghat areas of Madhya Maharashtra on 26th & 27th July, 2023.

South India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** very likely over Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka during 26th-28th; South Interior Karnataka, Rayalaseema, Interior Karnataka on 26th & 27th; Tamil Nadu, Puducherry & Karaikal and Kerala on 26th July, 2023. **Isolated very heavy rainfall likely over Rayalaseema and Interior Karnataka on 26th July, 2023.**

Isolated extremely heavy rainfall very likely over Telangana and Coastal Andhra Pradesh & Yanam on 26th & 27th and over Coastal Karnataka on 26th July, 2023.

East India: Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** very likely over Odisha during 26th-30th; Sub-Himalaya West Bengal & Sikkim during 26th-28th July and over Jharkhand & Bihar on 29th & 30th July, 2023.

Isolated very heavy rainfall likely over Odisha on 26th July, 2023.

Northeast India: Light/moderate fairly widespread rainfall with **isolated heavy rainfall** very likely over the region during 26th-30th July.

Isolated very heavy rainfall likely over Arunachal Pradesh and Assam & Meghalaya on 28th July, 2023.

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

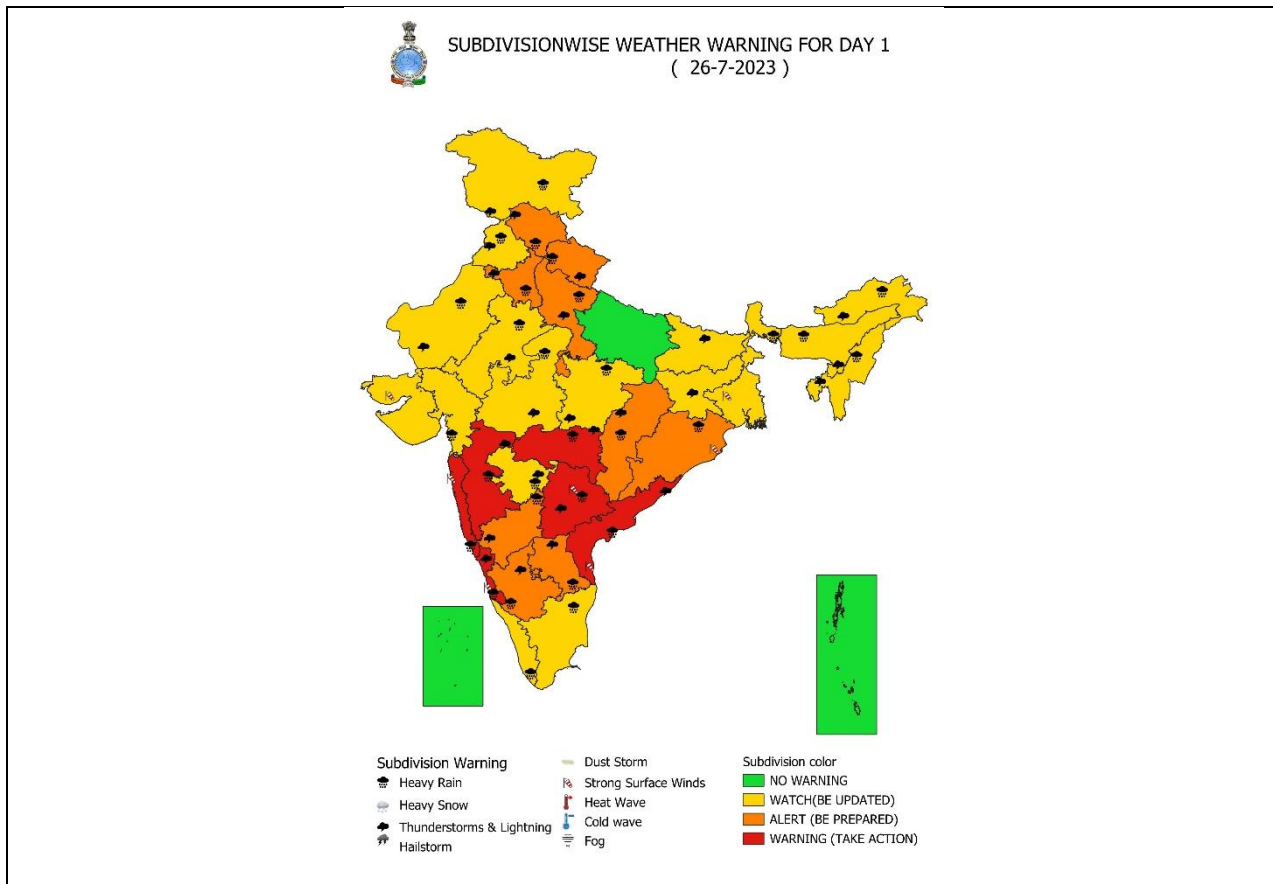
Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 26th July 2023):

- **Heavy to very heavy rainfall with isolated extremely heavy rainfall** observed over Coastal Karnataka and Konkan & Goa.
 - **Heavy to very heavy rainfall** at isolated places over Telangana, Coastal Andhra Pradesh, Madhya Maharashtra, Chhattisgarh, West Madhya Pradesh, Himachal Pradesh, Haryana, Uttarakhand and Andaman & Nicobar Islands.
 - **Heavy rainfall** at isolated places over Delhi, Punjab, Uttar Pradesh, Gujarat Region, East Madhya Pradesh, Tamil Nadu, Kerala, Interior Karnataka and Odisha.
- **Significant rainfall recorded (in cm):**
- **Konkan & Goa:** Wakwali_agri (dist Ratnagiri) 21, Matheran (dist Raigad) 18, Chiplun (dist Ratnagiri) 17, Pen (dist Raigad) 17, Valpoi (dist North Goa) 16, Mangaon (dist Raigad) 15, Dapoli_agri (dist Ratnagiri) 15, Sanguem (dist South Goa) 14, Tala (dist Raigad) 14, Palghar_agri (dist Palghar) 14, Panvel_agri (dist Raigad) 14, Mhasla (dist Raigad) 13, Ratnagiri - Imd Obsy (dist Ratnagiri) 13, Roha (dist Raigad) 13, Sudhagad Pali (dist Raigad) 13, Ambernath (dist Thane) 13, Mahad (dist Raigad) 12, Wada (dist Palghar) 12,
 - **Coastal Karnataka:** Castle Rock (dist Uttara Kannada) 21, Gersoppa (dist Uttara Kannada) 13, Udupi (dist Udupi) 13, Honavar Obsy (dist Uttara Kannada) 11, Kumta (dist Uttara Kannada) 10, Manchikere (dist Uttara Kannada) 10, Kundapur (dist Udupi) 10, Manki (dist Uttara Kannada) 10, Mulki (dist Dakshina Kannada) 10, Kota (dist Udupi) 10,
 - **Andaman & Nicobar Islands:** Long Islad-20
 - **Telangana:** Venkatapuram (dist Mulugu) 19, Kodada (dist Suryapet) 11, Chilkur (dist Suryapet) 9, Pebbair (dist Wanaparthy) 9, Aswaraopeta (dist B. Kothagudem) 7,
 - **Haryana-Chandigarh-Delhi:** Lakhanmajra Rev (dist Rohtak) 19, Samalkha (dist Panipat) 17, Nissing Rev (dist Karnal) 13, Gohana (dist Sonapat) 13, Nilokheri (dist Karnal) 12, Thanesar (dist Kurukshetra) 11, Jind (dist Jind) 10, Khanpur Rev (dist Sonapat) 10, Karnal (dist Karnal) 10, Jhansa Irr (dist Kurukshetra) 10, Radaur (dist Yamuna Nagar) 9, Ganaur (dist Sonapat) 9, Ismailabad (dist Kurukshetra) 9, Kurukshetra Kvk Aws (dist Kurukshetra) 9, Khedijalab Rev (dist Hisar) 9, Bapouli (dist Panipat) 9, Kurukshetra Aws (dist Kurukshetra) 8, Gharaunda (dist Karnal) 8,
 - **Madhya Maharashtra:** Mahabaleshwar- Imd Obsy (dist Satara) 18, Gaganbawada (dist Kolhapur) 15, Lonavala_agri (dist Pune) 12, Shahuwadi (dist Kolhapur) 8, Igatpuri (dist Nashik) 8, Radhanagari (dist Kolhapur) 8, Chandgad (dist Kolhapur) 7,
 - **Uttarakhand:** Bageshwar: Kapkot-16, Loharkhet-9, Sama-8, Dehradun: Koti-12, Sahastradhara/Iti-11, Chakrata-8
 - **Himachal Pradesh:** Jatton Barrage (dist Sirmaur) 16, Renuka / Dadhau (dist Sirmaur) 12, Nahan (dist Sirmaur) 11, Pachhad (dist Sirmaur) 10, Rajgarh (dist Sirmaur) 7, Sangraha (dist Sirmaur) 7,
 - **Chhattisgarh:** Bhopalpatnam (dist Bijapur) 13, Konta (dist Sukma) 12, Chhindgarh (dist Sukma) 8,
 - **Coastal Andhra Pradesh & Yanam:** Narsipatnam (dist Anakapalli) 12, Nuzvid (dist Eluru) 12, Eluru (dist Eluru) 11, Chintur (dist Alluri Sitharamaraju) 10, Masulipatnam Cdr (dist Krishna) 10, Gudivada (dist Krishna) 9, Kukunoor (dist Eluru) 9, Polavaram (dist Eluru) 9, Vijayawada A.p. (dist Ntr District) 8, Visakhapatnam (dist Vishakhapatnam) 7, Koyyalagudem (dist Eluru) 7, Kunavaram (dist Alluri Sitharamaraju) 7, Lam(a) (dist Guntur) 7,
 - **South Interior Karnataka:** Linganamakki Hms (dist Shivamogga) 11, Thalaguppa (dist Shivamogga) 9, Koppa (dist Chikkamagaluru) 9, Jayapura (dist Chikkamagaluru) 9, Kammardi (dist Chikkamagaluru) 8, Sringeri Hms (dist Chikkamagaluru) 7, Hunchadakatte (dist Shivamogga) 7,
 - **West Uttar Pradesh:** Nakur (dist Saharanpur) 10, Budhana (dist Muzaffarnagar) 9, Chandpur (dist Bijnor) 7,
 - **Gujarat Region:** Madhbun (dist Dadara & Nagar Haveli) 10, Bhiloda (dist Aravalli) 9, Daman (dist Daman) 9, Dharampur (dist Valsad) 8, Kaprada (dist Valsad) 8, Daman_arg (dist Daman) 8, Pardi (dist Valsad) 7, Khergam (dist Navsari) 7,
 - **North Interior Karnataka:** Londa (dist Belagavi) 8,
 - **Tamilnadu, Puducherry & Karaikal:** Avalanche (dist Nilgiris), Chinnakalar (dist Coimbatore) 8, Glenmorgan (dist Nilgiris) 7,
 - **Kerala & Mahe:** Munnar (Idukki district) 8, Kannur & Hosdurg (Kasaragod district) 7 each.
 - **Punjab:** Kharar (dist Sas Nagar (mohali)) 7, Malikpur (dist Pathankot) 7, Pathankot Arg (dist Pathankot) 7, Ropar

- **East Uttar Pradesh:** Kheri Lakhimpur (dist Kheri) 7, Nighasan (dist Kheri) 7,
- **Nagaland, Manipur, Mizoram & Tripura:** Dharmanagar/ Panisagar (dist North Tripura) 7,
- **Arunachal Pradesh:** Bhalukpong (dist West Kameng) 9, Daparijo (dist Upper Subansiri) 8,
- **West Madhya Pradesh:** Ganjbasoda (dist Vidisha) 15, Udaipura (dist Raisen) 13, Shivpuri (dist Shivpuri) 9, Tirla (dist Dhar) 7,
- **East Madhya Pradesh:** Jaisinagar (dist Sagar) 9, Kesli (dist Sagar) 9, Kareli (dist Narsinghpur) 7,
- **Odisha:** Malkangiri (dist Malkangiri) 8,

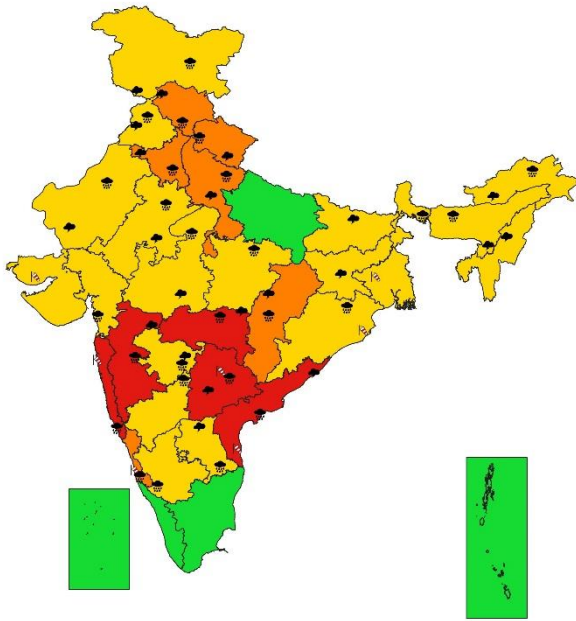
- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **Dist.:** District; **AWS:** Automatic Weather Station; **ARG:** Automatic Rain Gauge; **FMO:** Flood Meteorological Office; **KVK:** Krishi Vigyan Kendra

Annexure II





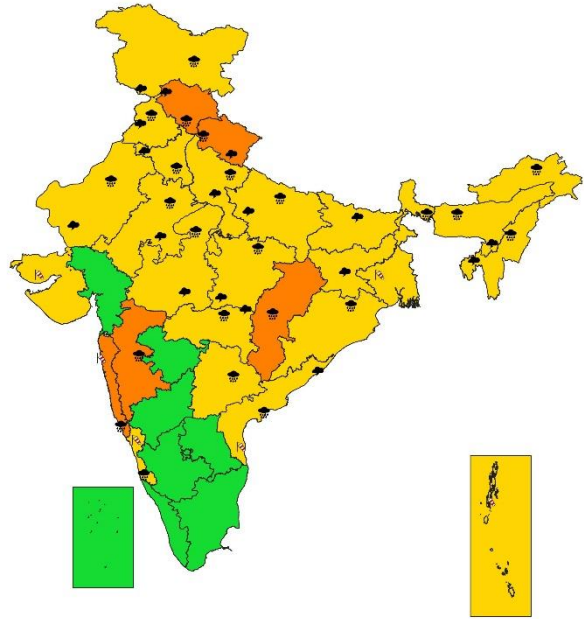
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(27-7-2023)**



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



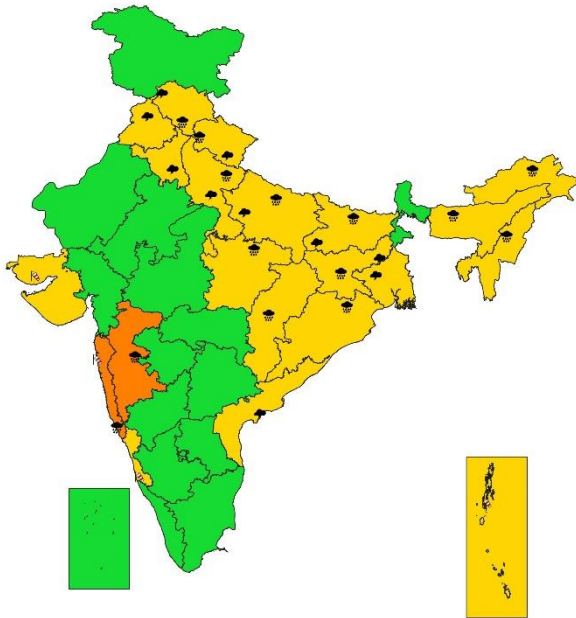
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(28-7-2023)**



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



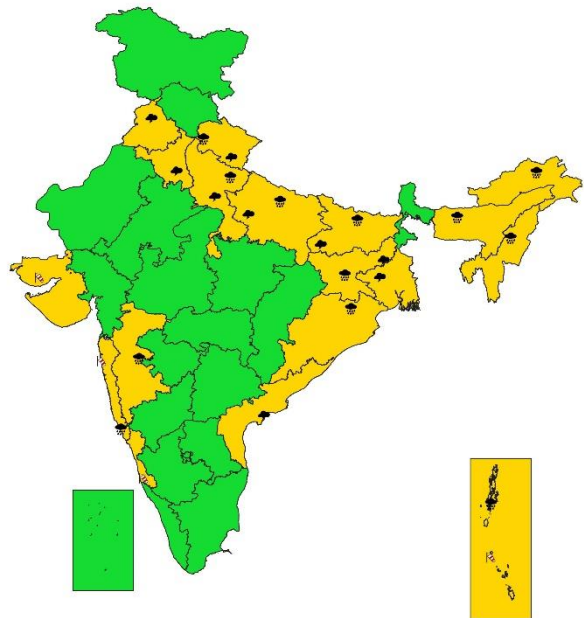
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(29-7-2023)**



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|----------------------------|----------------------|--------------------------|
| 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 RAINFALL FORECAST FOR DAY 5
(30-7-2023)**



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

Agromet advisories for heavy rainfall likely over various parts of the country

- Drain out excess water from crop fields to avoid water stagnation in Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan, Sub Himalayan West Bengal & Sikkim, Odisha, West Madhya Pradesh, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Vidarbha, Gujarat State, Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Telangana and North Eastern States.
- Postpone transplanting of rice and finger millet in Konkan; rice in South Interior Karnataka, Coastal Andhra Pradesh and ghat regions of Madhya Maharashtra. Postpone direct sowing of rice in Telangana.
- Postpone sowing of groundnut, maize, late sown cotton and red gram in Coastal Karnataka.

Impact & Action Suggested

due to extremely heavy rainfall over Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Vidarbha on 26th & 27th; and Coastal Karnataka on 26th July

due to very heavy rainfall: over Himachal Pradesh, Uttarakhand, Chhattisgarh during 26th-28th; Haryana, Chandigarh, West Uttar Pradesh on 26th & 27th July; Odisha on 26th July, 2023.

A. Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutchha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides in the hilly areas.
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

B. Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

Legends:

- ❖ **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
- ❖ **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, 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