



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

**Press Release
Date: 06th July, 2023**

Time of Issue: 1345 hours IST

**Subject: i) Ongoing Intense rainfall spell likely to continue over Konkan & Goa, Gujarat and is likely to decrease over south Peninsular India from 07th July, 2023.
ii) Enhanced rainfall activity over central parts of India during 06th-08th July and gradual increase over northern parts of India from 09th July for subsequent 2 days.**

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

Significant Weather features, Forecast and Warning during next 5 days: (Annexure II)

- ❖ The Monsoon trough at mean sea level lies south of its normal position.
- ❖ The east-west shear zone runs roughly along Lat. 17°N in middle tropospheric levels.
- ❖ The off-shore trough at mean sea level runs from south Gujarat coast to north Kerala coast.
- ❖ A cyclonic circulation lies over Gangetic West Bengal & adjoining north Odisha in lower tropospheric levels.
- ❖ A cyclonic circulation lies over Northeast Arabian Sea adjoining Gujarat coast in lower tropospheric levels.
- ❖ A Western Disturbance in mid-tropospheric westerlies runs roughly along Long. 70°E to the north of Lat. 28°N

Weather Forecast and Warning:

South India: Light/moderate widespread rainfall with **isolated heavy to very heavy rainfall** very likely to continue over the region during next 2 days & decrease thereafter. Isolated **extremely heavy rainfall** also likely over Kerala and Coastal Karnataka on 06th July, 2023.

West India: Light/moderate widespread rainfall with **isolated heavy to very heavy rainfall** very likely to continue over Konkan & Goa, ghat areas of Madhya Maharashtra during next 3 days and over Gujarat state during next 5 days. Isolated **extremely heavy falls** also likely over Konkan & Goa on 06th and Saurashtra & Kutch on 08th July.

Northwest India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** is very likely over the region during next 5 days. Isolated **very heavy rainfall** is also very likely over Uttarakhand and East Rajasthan during next 5 days and West Uttar Pradesh on 06th July.

Central India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** is very likely over the region during next 2 days and reduction thereafter. Isolated **very heavy rainfall** is also very likely over Chhattisgarh on 06th July.

East & adjoining Northeast India: Fairly widespread to widespread light/moderate rainfall with isolated **Heavy to very heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur during next 5 days. Isolated **heavy rainfall** likely over Odisha and Bihar during next 5 days; Gangetic West Bengal on 06th and Jharkhand on 06th & 07th July and decrease thereafter.

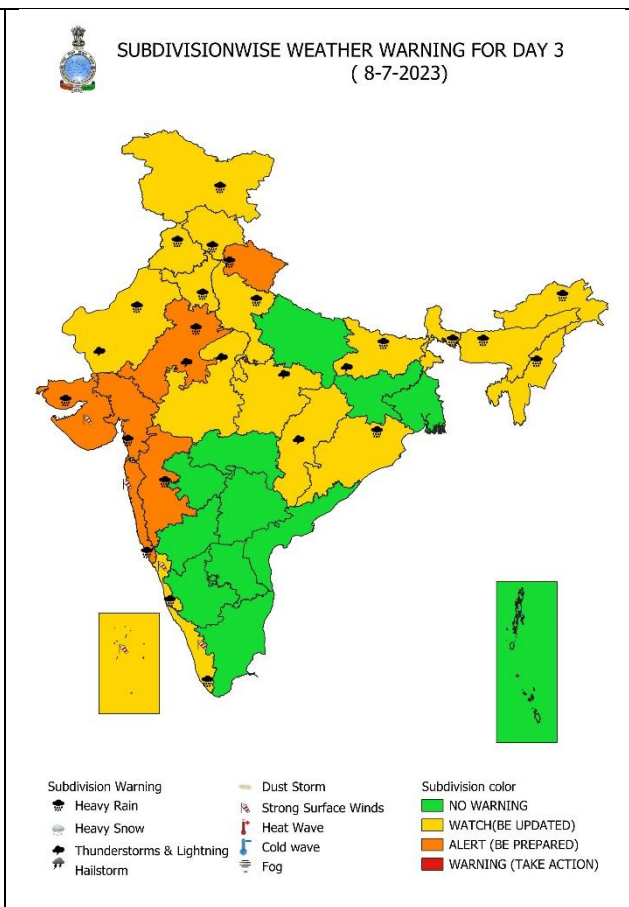
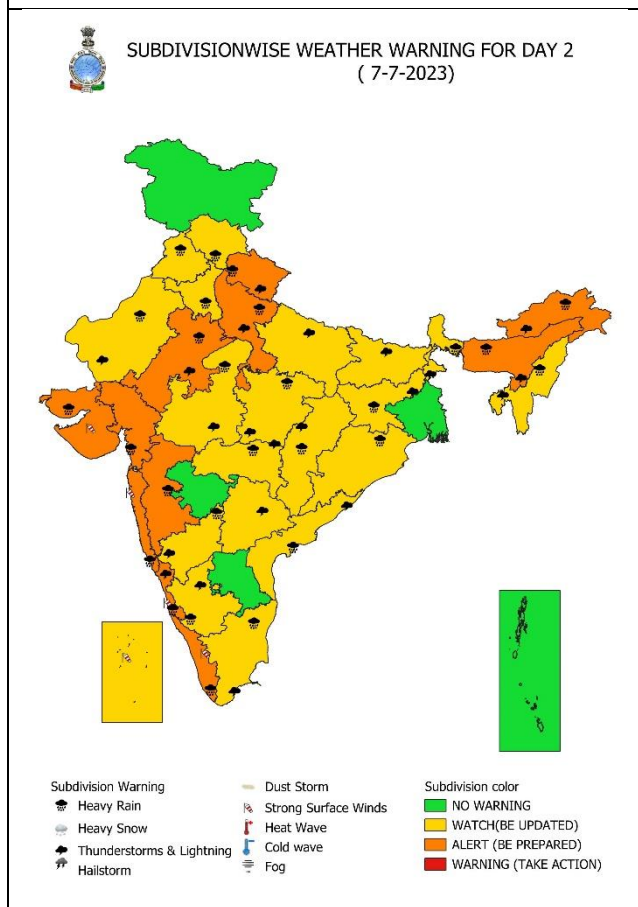
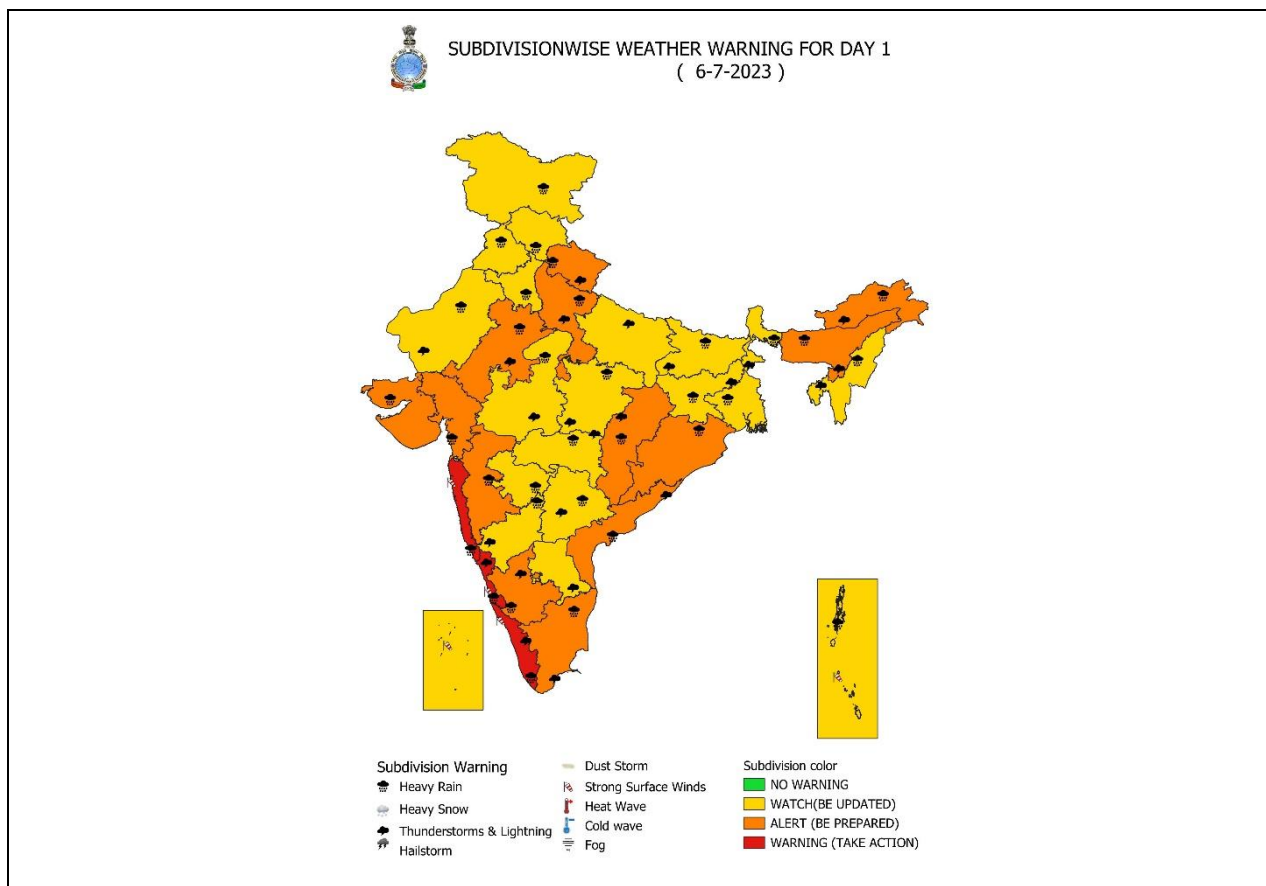
No significant weather likely over rest parts of the country.

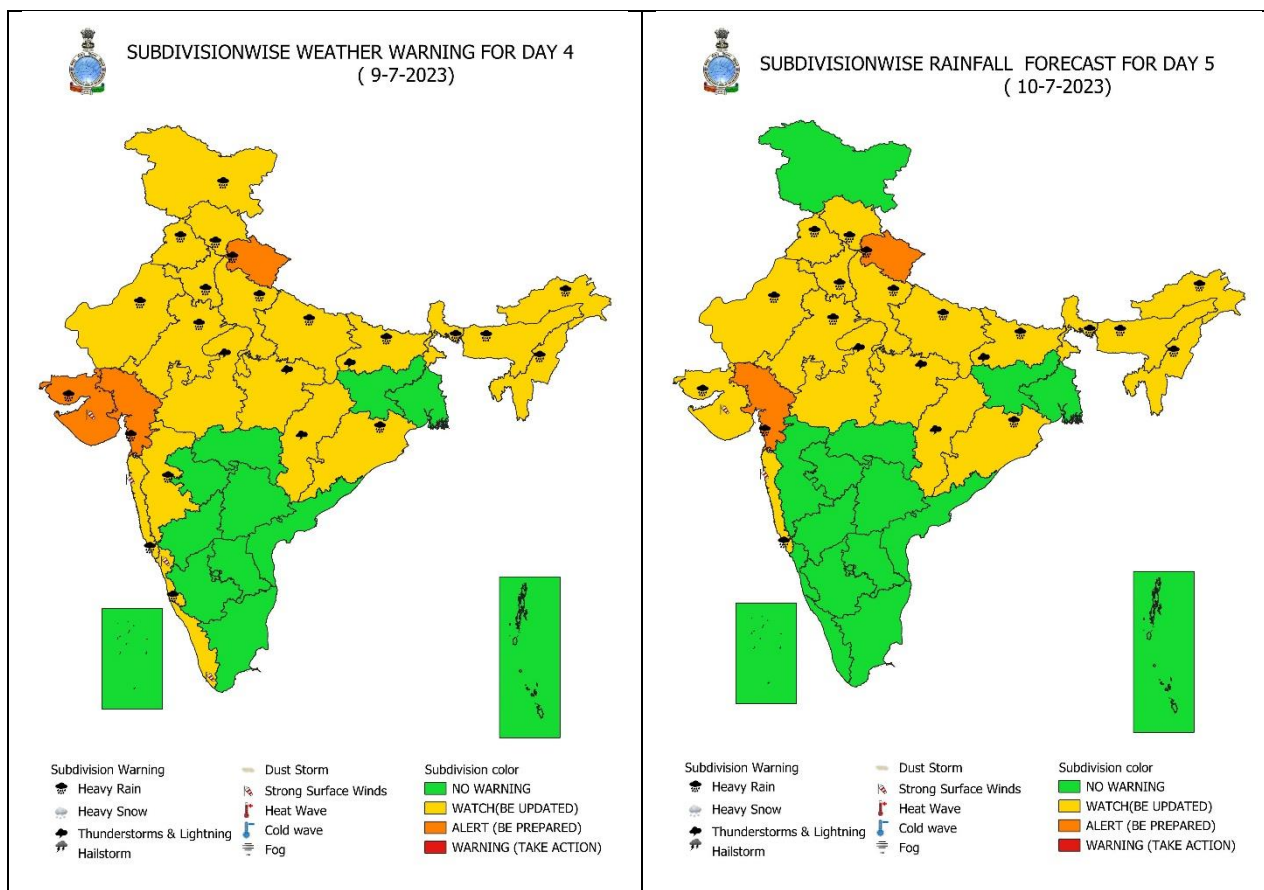
For more details kindly refer:

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

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

- **Heavy Rainfall observed: Heavy to Very heavy rainfall with extremely heavy falls** at isolated places over Kerala & Mahe, Coastal Karnataka; **Heavy to Very heavy rainfall** at isolated places over Tamil Nadu, Konkan & Goa, South Interior Karnataka, Madhya Maharashtra, East Madhya Pradesh, West Uttar Pradesh, Punjab, Uttarakhand, West Rajasthan, Gujarat Region, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and **Heavy rainfall** at isolated places over Haryana, East Rajasthan, West Madhya Pradesh, Chhattisgarh, Saurashtra & Kutch, Marathwada, Gangetic West Bengal, Coastal Andhra Pradesh, Telangana and Bihar.
- **Significant rainfall recorded (in cm): Kerala:** Vellarikkundu AWS (Kasaragod district) 24, Mahe (Puducherry UT) 22, Thalassery & Peringome AWS (both in Kannur district) 21 each, Vadakara (Kozhikode district) 20, Kannur, Ponnani (Malappuram district), Bayar AWS (Kasaragod district) & Kannur Airport AWS 19 each, AMS KANNUR & Taliparamba (both in Kannur district), Vilangad AWS (Kozhikode district) & Cheruvanchery AWS (Kannur district) 18 each, Padinjara Dam AWS (Wayanad district), Padannakkad AWS & Muliya AWS (both in Kasargod district) 17 each, Irikkur & Mattannur ARG (both in Kannur district) 16 each, Madikkai AWS (Kasaragod district) 15, **Coastal Karnataka:** Mulki (dist Dakshina Kannada) 33, Kota (dist Udupi) 29, Karkala (dist Udupi) 25, Udupi (dist Udupi) 23, Manki (dist Uttara Kannada) 23, Panambur Obsy (dist Dakshina Kannada) 23, Shirali Pto (dist Uttara Kannada) 21, Kundapur (dist Udupi) 20, Mangaluru Ap Obsy (dist Dakshina Kannada) 19, Kadra (dist Uttara Kannada) 19, Karwar Obsy (dist Uttara Kannada) 18, **South Interior Karnataka:** Bhagamandala (dist Kodagu) 12, Linganamakki Hms (dist Shivamogga) 11, Kalasa (dist Chikkamagaluru) 9, Sringeri Hms (dist Chikkamagaluru) 8, Thalaguppa (dist Shivamogga) 8, **Tamil Nadu:** Avalanche (dist Nilgiris) 20, Upper Bhavani (dist Nilgiris), Chinnakalar (dist Coimbatore) 11 each, Worth Estate Cherrumulli (dist Nilgiris), Gundar Dam (dist Tenkasi) 9 each, Taluk Office Pandalur (dist Nilgiris), Adavinainnarkoil Dam (dist Tenkasi), Devala (dist Nilgiris), Sholayar (dist Coimbatore), Oothu (dist Tirunelveli) 7 each, **Konkan & Goa:** Vaibhavwadi (dist Sindhudurg) 18, Canacona (dist South Goa) 17, Panjim - Imd Obsy (dist North Goa) 16, Sanguem (dist South Goa) 15, Rajapur (dist Ratnagiri) 15, Palghar_agri (dist Palghar) 15, Rameshwar_agri (dist Sindhudurg) 14, Margao (dist South Goa) 14, Mormugao - Pmo Imd (dist South Goa) 14, Pernem (dist North Goa) 13, Kudal (dist Sindhudurg) 13, Dabolim N.a.s.- Navy (dist South Goa) 13, Ponda (dist North Goa) 13, **Assam & Meghalaya:** N.lakhimpur/lilabari (dist Lakhimpur) 17, Cherrapunji (dist East Khasi Hills) 17, Cherrapunji(rkm) (dist East Khasi Hills) 15, Lakhimpur Arg (dist Cachar) 11, Lakhimpur (dist Cachar) 11, Sonari_arg (dist Sibsagar) 9, Silapathar Arg (dist Dhemaji) 9, Diphu (dist Karbi Anglong) 9, Silchar (dist Cachar) 9, A P Ghat (dist Cachar) 9, Dhemaji (dist Dhemaji) 9, Chauldhowaghat (dist Lakhimpur) 8, Ranganadi Nt Xing (dist Lakhimpur) 8, Dhansiri Arg (dist Karbi Anglong) 7, Jorhat (dist Jorhat) 7, **Arunachal Pradesh:** Naharlagun (dist Papumpara) 16, Itanagar (dist Papumpara) 12, Namsai (dist Lohit) 4, Tuting (dist Upper Siang) 4, **Madhya Maharashtra:** Gaganbawada (dist Kolhapur) 12, **Marathwada:** Mukhed (dist Nanded) 11, Kallamb (dist Dharashiv) 10, Udgir (dist Latur) 10, Billoli (dist Nanded) 9, Jalkot (dist Latur) 9, Chakur (dist Latur) 8, Beed (dist Beed) 8, Bhum (dist Dharashiv) 8, Renapur (dist Latur) 7, Umari (dist Nanded) 7, Degloor - Fmo (dist Nanded) 7, **Nagaland, Manipur, Mizoram & Tripura:** Serchip_ Aws (dist Serchhip) 11, Serchip(hydro) (dist Serchhip) 9, Chottabekra (dist Imphal West) 8, Mokokchung_ Aws (dist Mokokchung) 7, Zunheboto (dist Zunheboto) 5, Mokokchang (dist Mokokchung) 5, **Coastal Andhra Pradesh:** Komarada (dist Parvathipuram Manyam) 7, **Telangana:** Kusumanchi (dist Khammam) 7, Mudhole (dist Nirmal) 7, **Bihar:** Bhagalpur-8; **Rajasthan:** Bilara (dist Jodhpur) 12, Bagoda Sr (dist Jalore) 9, Sambhar Sr (dist Jaipur) 9, Galiakot Sr (dist Dungarpur) 8, Jhadol Sr (dist Udaipur) 7, Naraina Sr (dist Jaipur) 7, **Madhya Pradesh:** Tikamgarh-aws (dist Tikamgarh) 13, Nagda (dist Ujjain) 11, Bhimpur (dist Betul) 11, Burhanpur (dist Burhanpur) 10, Sailana (dist Ratlam) 10, Narwar (dist Shivpuri) 9, Anuppur-aws (dist Anuppur) 8, **Gujarat Region:** Khambhat (dist Anand) 12, Nadiad (dist Kheda) 12, Jalalpor (dist Navsari) 11, Navasari_aws (dist Navsari) 10, Modasa (dist Aravalli) 9, Anand (dist Anand) 9, Tarapur (dist Anand) 8, Dhandhuka (dist Ahmedabad) 8, Sankheda (dist Chhota Udepur) 7, Dhandhuka_arg (dist Ahmedabad) 7, Petlad (dist Anand) 7, **Saurashtra & Kutch:** Talala (dist Gir Somnath) 7; **Odisha :** Barkote (dist Deogarh) 13, Gurundia (dist Sundargarh) 10, Gunupur (dist Rayagada) 9, Tihidi (dist Bhadrak) 7, R Guda (dist Rayagada) 7, Mahendragarh (dist Gajapati) 7, **Chhattisgarh:** Simga (dist Baloda Bazar) 7, Kondagaon (dist Kondagaon) 7; Uttarakhand: Ranimajra-17, Kashipur-13, Khanpur, Roorkee-12 each, Lansdown, Kotdwar-9 each, Pantnagar-7, **Himachal Pradesh:** Chamba-8, Sirmaur-7, **West Uttar Pradesh:** Jansath (dist Muzaffarnagar) 12, Budhana (dist Muzaffarnagar) 9, Muzaffarnagar(t) (dist Muzaffarnagar) 8, Nagina (dist Bijnor) 7, Sahaswan (dist Badaun) 7, Najibabad (t) (dist Bijnor) 7, **Punjab:** Bul Irr (dist Ludhiana) 16, Aurphambra Road Arg (dist Sbs Nagar) 13, Doraha Irr (dist Ludhiana) 13, Phangota (dist Pathankot) 11, Ludhiana (dist Ludhiana) 10, Ranjit Sagar Dam Site (dist Pathankot) 10, Nawanshahr (dist Sbs Nagar) 10, Ballawal Saunkri (dist Sbs Nagar) 9, Gurdaspur Amfu (dist Gurdaspur) 9, Balachaur (dist Sbs Nagar) 9, Ludhiana Irr (dist Ludhiana) 8, Balachaur Aws (dist Sbs Nagar) 8, Garhshankar (dist Hoshiarpur) 8, Adampur Iaf (dist Jalandhar) 7, Halwara Iaf (dist Ludhiana) 7, **Haryana:** Shivan Rev (dist Kaithal) 10,





Agromet advisories for rainfall, thunderstorms likely over various parts of the country:

- ❖ Drain out excess water from crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Uttar Pradesh, Rajasthan, West Bengal & Sikkim, Odisha, Bihar, Madya Pradesh, Chhattisgarh, Gujarat, Maharashtra, Tamil Nadu, Kerala, Lakshadweep, Karnataka, Coastal Andhra Pradesh, Telangana and North Eastern States.
- ❖ Postpone transplanting of rice in Kerala, Coastal Karnataka and South Konkan & Goa.
- ❖ Postpone sowing of direct-seeded rice in Coastal Karnataka.
- ❖ Provide staking to vegetables.

Impact & Action Suggested due to extremely heavy/very heavy rainfall over Karnataka, Kerala & Mahe, Tamil Nadu on 06th; Konkan & Goa and ghat areas of Madhya Maharashtra during 06th-08th; Gujarat state and Uttarakhand during 06th-10th July.

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
- ❖ 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.
- ❖ **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