



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

Press Release

Date: 07th September, 2023

Time of Issue: 1345 hours IST

Subject:

- **Active monsoon conditions likely to continue over north Peninsular, central & adjoining East India during next 3-4 days.**
- **Heavy to very heavy rainfall activity likely over West Madhya Pradesh, Maharashtra and Gujarat during next 3 days.**

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

Significant Weather features:

- ❖ A cyclonic circulation lies over central parts of interior Odisha & adjoining Chhattisgarh extending upto middle tropospheric levels tilting southwestwards with height. It is likely to move west-northwestwards to lie over central parts of Madhya Pradesh during 08th-10th September.
- ❖ An east-west shear zone runs roughly along Lat. 19° N in middle tropospheric levels across north Maharashtra, south Chhattisgarh and south Odisha.
- ❖ The Monsoon Trough is active and lies to the south of its normal position. Its eastern end is likely to shift southwards to its normal position gradually from tomorrow and western end is likely to shift northwards to its normal position from 10th September.

Weather Forecast and Warnings: (Annexure II)

East India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over *Odisha and Jharkhand on 07th & 08th; on 07th & 08th; Bihar on 08th; Gangetic West Bengal on 07th and over Andaman & Nicobar Islands during 10th -11th September.*

Isolated very heavy rainfall very likely over Odisha on 07th September.

South India: Light/moderate fairly widespread rainfall with isolated **heavy rainfall** very likely over Coastal Andhra Pradesh & Yanam, Telangana and North Interior Karnataka on 07th; over Coastal Karnataka during 08th-10th; over South Interior Karnataka on 07th, 09th & 10th; over ghat areas of Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 07th -11th September.

Central India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over Madhya Pradesh *during 07th-9th; Vidarbha on 07th & 08th and over Chhattisgarh on 07th September.*

Isolated very heavy rainfall very likely over West Madhya Pradesh on 07th; over East Madhya Pradesh on 08th September.

West India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with

isolated heavy rainfall very likely over Marathwada on 07th & 08th; over Konkan & Goa during 07th & 11th; over Madhya Maharashtra during 07th-09th September and over Gujarat Region on 07th, 08th & 09th September.

Isolated very heavy rainfall very likely over Konkan & Goa, Madhya Maharashtra and Gujarat Region on 07th & 08th September.

Northeast India: Light/moderate scattered to fairly widespread rainfall/thunderstorm with isolated **heavy rainfall** activity very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 07th-11th and Arunachal Pradesh on 10th September.

Northwest India: Light/moderate isolated to scattered rainfall/thunderstorm with isolated **heavy rainfall** activity very likely over Uttar Pradesh and East Rajasthan on 07th & 08th September.

For more details kindly refer:

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

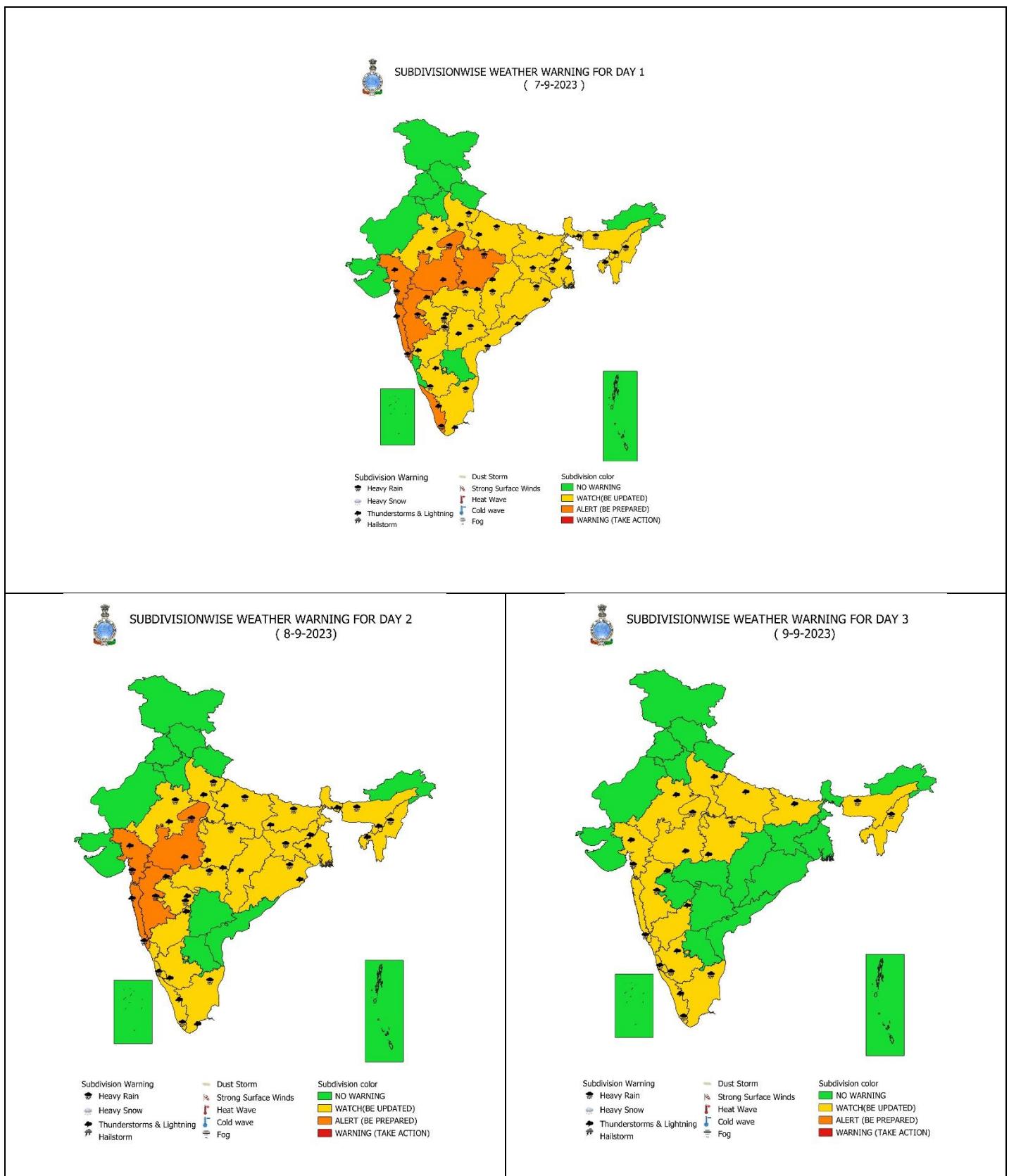
Annexure I

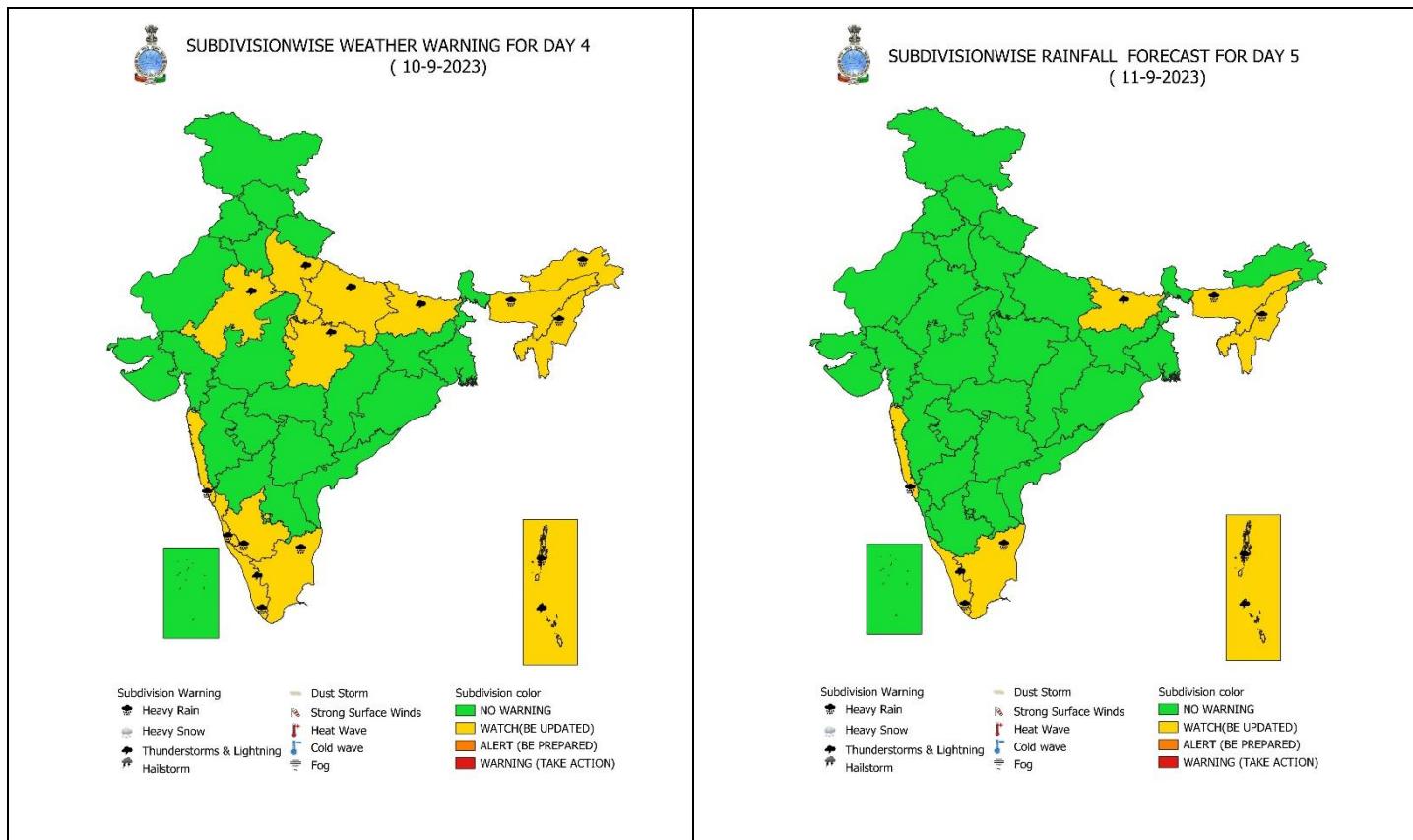
Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 07th September, 2023):

- **Heavy to very heavy rainfall** at isolated places over Odisha, Kerala & Mahe, East Madhya Pradesh, Gujarat Region, Coastal Andhra Pradesh, Chhattisgarh and **heavy rainfall** at isolated places over West Madhya Pradesh, Gangetic West Bengal, Madhya Maharashtra, East Uttar Pradesh, Jharkhand, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Telangana.
- **Significant rainfall recorded (in cm):**
 - ✓ **Kerala:** Vadakara (dist Kozhikode) 17, Mahe (dist Mahe) 16, Urumi Aws (dist Kozhikode) 12, Kozhikode (dist Kozhikode) 9, Aralam Aws (dist Cannur) 8, Malampuzha Dam Aws (dist Palakkad) 8, Karipur Ap. (dist Malappuram) 8, Quilandi (dist Kozhikode) 8, Palakkad (dist Palakkad) 7, Vyttiri (dist Wynad) 7, Nilambur Aws (dist Malappuram) 7, Nilambur (dist Malappuram) 7, Haripad (dist Alapuzha) 6, Thennala Aws (dist Malappuram) 6, Perinthalamanna (dist Malappuram) 6,
 - ✓ **Odisha:** Similiguda (dist Koraput) 16, Nawarangpur (dist Nawarangpur) 11, Ambadola (dist Rayagada) 11, Bandhugaon (dist Koraput) 11, Nawarangpur Pto (dist Nawarangpur) 10, Pottangi (dist Koraput) 9, Korukunda (dist Malkangiri) 9, Paralakhemundi (dist Gajapati) 9, Bijatala (dist Mayurbhanj) 8, Kosagumda (dist Nawarangpur) 8, Koraput (dist Koraput) 7, Rajghat (dist Balasore) 7, Malkangiri (dist Malkangiri) 6, Suliapada (dist Mayurbhanj) 6, Nandapur (dist Koraput) 6, Lamataput (dist Koraput) 6, Gosani (dist Gajapati) 6,
 - ✓ **East Madhya Pradesh:** Singodi (dist Katni) 15, Vijayraghogarh (dist Katni) 10, Anuppur-aws (dist Anuppur) 10, Venkatnagar (dist Anuppur) 9, Barhi (dist Katni) 8, Jaitpur (dist Shahdol) 7, Baldevgarh (dist Tikamgarh) 7, Khargapur (dist Tikamgarh) 7, Parasia (dist Chhindwara) 7, Palera (dist Tikamgarh) 7, Umariyapan (dist Katni) 7, Badagaon Dhasan (dist Tikamgarh) 6, Amarwara (dist Chhindwara) 6,
 - ✓ **Gujarat Region:** Khanvel (dist Dadara & Nagar Haveli) 15, Vansda (dist Navsari) 9, Madhbun (dist Dadara & Nagar Haveli) 9, Pardi (dist Valsad) 8, Dharampur (dist Valsad) 8, Silvassa (dist Dadara & Nagar Haveli) 8, Valsad_Kvk Aws (dist Valsad) 8, Kaprada (dist Valsad) 8, Vapi (dist Valsad) 7, Khergam (dist Navsari) 7, Mandvi (dist Surat) 6, Dang_kv Aws (dist Dangs) 6, Waghai (dist Dangs) 6, Valod (dist Tapi) 6, Narmada_kv Aws (dist Narmada) 6, Umerpada (dist Surat) 6,

- ✓ **Coastal Andhra Pradesh:** Balajipeta (dist Parvathipuram Manyam) 13, Palasa (dist Srikakulam) 11, Komarada (dist Parvathipuram Manyam) 11, Kunavaram (dist Alluri Sithamaraju) 10, Parvathipuram (dist Parvathipuram Manyam) 8, Therlam (dist Vizianagaram) 8, Cheepurupalle (dist Vizianagaram) 8, Vararamachandrapur (dist Alluri Sithamaraju) 7, Pathapatnam (dist Srikakulam) 7, Chintur (dist Alluri Sithamaraju) 7, Palakonda (dist Parvathipuram Manyam) 6, Gajapathinagaram (dist Vizianagaram) 6, Jiyyamma Valasa (dist Parvathipuram Manyam) 6, Bheemavaram (dist West Godavari) 6, Mandasa (dist Srikakulam) 6,
- ✓ **Chhattisgarh:** Kondagaon (dist Kondagaon) 12, Bakavand (dist Bastar) 10, Mana-raipur-ap (dist Raipur) 8, Labhandih (dist Raipur) 7, Bhanupratappur (dist Kanker) 7, Bastar (dist Bastar) 6, Takhatpur (dist Bilaspur) 6, Durg (dist Durg) 6, Durgkondal (dist Kanker) 6, Raipur (dist Raipur) 6,
- ✓ **East Uttar Pradesh:** Lalganj (dist Mirzapur) 10, Prayagraj Pbo (dist Prayagraj) 6, Jalalpur Fmo (dist Ambedkar Nagar) 6, Robertsganj (dist Sonbhadra) 6, Ghorawal (dist Sonbhadra) 6, Mirzapur Tehsil (dist Mirzapur) 6,
- ✓ **West Madhya Pradesh:** Nepanagar (dist Burhanpur) 10, Bhainsdehi (dist Betul) 7,
- ✓ **Gangetic West Bengal:** Amgachia- 9, Dum dum- 7, Contai-6
- ✓ **Madhya Maharashtra:** Dhadgaon/akrani- Hydro (dist Nandurbar) 7, Taloda (dist Nandurbar) 7,
- ✓ **Jharkhand:** Sahibganj Kvk Aws-9; Bandgaon-7,
- ✓ **Telangana:** Marpalle (dist Vikarabad) 8, Kotapalle (dist Mancherial) 7, Pinapaka (dist B. Kothagudem) 6,
- ✓ **North Interior Karnataka:** Bidar (dist Bidar) 6,
- ✓ **South Interior Karnataka:** Napoklu (dist Kodagu) 8, Kottigehara (dist Chikkamagaluru) 6,
- ✓ **TamilNadu, Puducherry & Karaikal:** Went Worth Estate, Cherrumulli (dist Nilgiris), Devala (dist Nilgiris) 7

Obsy: Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation





Impact expected and action suggested due to thunderstorm with lightning over West Madhya Pradesh, Konkan & Goa, Gujarat region 07th & 08th; over East Madhya Pradesh, Kerala & Mahe on 07th 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.

Legends:

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

Flash Flood Risk	
High Risk (Take Action)	
Moderate Risk (Be Prepared)	
Low Risk (Be Updated)	