



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

**Press Release**

**Date: 01<sup>st</sup> September, 2023**

**Time of Issue: 1330 hours IST**

**Subject: (i) Increase in rainfall activity over East & eastcentral India from 02<sup>nd</sup> September, 2023.  
(ii) Isolated heavy rainfall likely over Kerala and Andaman & Nicobar Islands during next 5 days; and Andhra Pradesh and Telangana during 3<sup>rd</sup> to 5<sup>th</sup> September, 2023.  
(iii) Subdued rainfall activity likely over remaining parts of the country during next 5 days.**

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

- The **Monsoon Trough** at mean sea level continues to run along the foothills of the Himalayas.
- A cyclonic circulation over Northeast Bay of Bengal & neighbourhood extending upto middle tropospheric level.
- A trough runs from Interior Karnataka to Comorin area in lower tropospheric levels.
- A cyclonic circulation likely to form over North Bay of Bengal around 03<sup>rd</sup> September 2023. Under its influence a low pressure area is likely to form over same area during subsequent 48 hours.

**Weather Forecast and Warnings: (Annexure II)**

**Northeast India:** Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** activity very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 01<sup>st</sup>-03<sup>rd</sup> September.

**East India:** Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over Andaman & Nicobar Islands during next 05 days; **Gangetic West Bengal on 03<sup>rd</sup>** and over **Odisha during 02<sup>nd</sup> - 05<sup>th</sup> September**.

**Central India:** Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** very likely over **Vidarbha and Chhattisgarh during 03<sup>rd</sup> - 05<sup>th</sup> September**.

**South India:** Light/moderate scattered rainfall with isolated **heavy rainfall** very likely over Tamil Nadu, Puducherry & Karaikal and South Interior Karnataka on 01<sup>st</sup> & 02<sup>nd</sup> September; North Interior Karnataka on 03<sup>rd</sup> & 04<sup>th</sup> and over Kerala **during 01<sup>st</sup> - 05<sup>th</sup> September**, over Rayalaseema on 03<sup>rd</sup> & 04<sup>th</sup>; over Coastal Andhra Pradesh and Telangana **during 03<sup>rd</sup> - 05<sup>th</sup> September**.

**Subdued rainfall activity likely over rest 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/all_india_forcast_bulletin.php)

## Annexure I

**Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 01 September, 2023):**

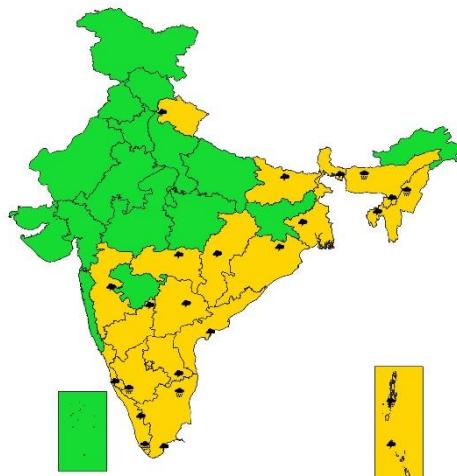
- **Heavy rainfall** at isolated places over Tamil Nadu, Puducherry & Karaikal, Interior Karnataka, Rayalaseema and Gangetic West Bengal.
- **Significant rainfall recorded (in cm):**
  - ✓ **North Interior Karnataka:** Hidkal Dam (dist Belagavi) 11, Gadag Pbo Obsy (dist Gadag) 7,
  - ✓ **South Interior Karnataka:** Maddur (dist Mandya) 11, Bengaluru City Obsy (dist Bengaluru Urban) 9, Madhugiri (dist Tumakuru) 7, Bargur (dist Tumakuru) 7, Bengaluru Hal Ap Obsy (dist Bengaluru Urban) 7, Ramanagara (dist Ramanagara) 7, Electronic City Arg (dist Bengaluru Urban) 6, Gubbi (dist Tumakuru) 6, Doddaballapura (dist Bengaluru Rural) 6,
  - ✓ **Tamil Nadu, Puducherry & Karaikal:** Dharmapuri Pto (Dharmapuri) 9, Thammampatti (Salem) 9, Kodumudi (Erode) 9, Salem 8, Kudimiyamalai (Pudukkottai) 7, Kozhiporvilai, Thuckalay (Kanniyakumari) 7,
  - ✓ **Rayalaseema:** Amarapuram (dist Sri Sathyasai District) 7, Thambalapalle (dist Annamayya District) 6,
  - ✓ **Gangetic West Bengal:** Alipore- 6

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

## Annexure II



SUBDIVISIONWISE WEATHER WARNING FOR DAY 1  
( 1-9-2023 )

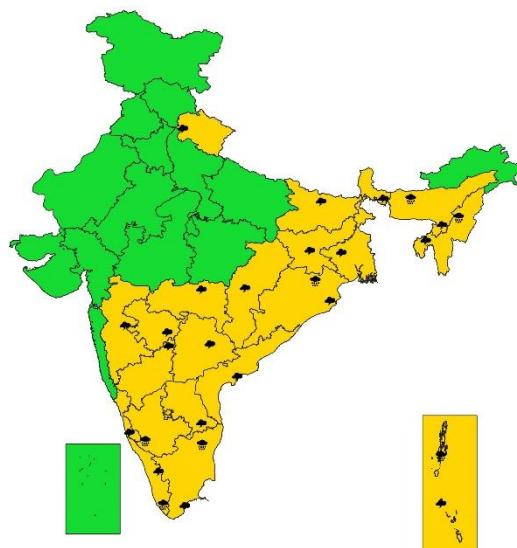


Subdivision Warning      Subdivision color

Heavy Rain	Dust Storm	NO WARNING
Heavy Snow	Strong Surface Winds	WATCH(BE UPDATED)
Thunderstorms & Lightning	Heat Wave	ALERT (BE PREPARED)
Hailstorm	Cold wave	
	Fog	WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 2-9-2023 )

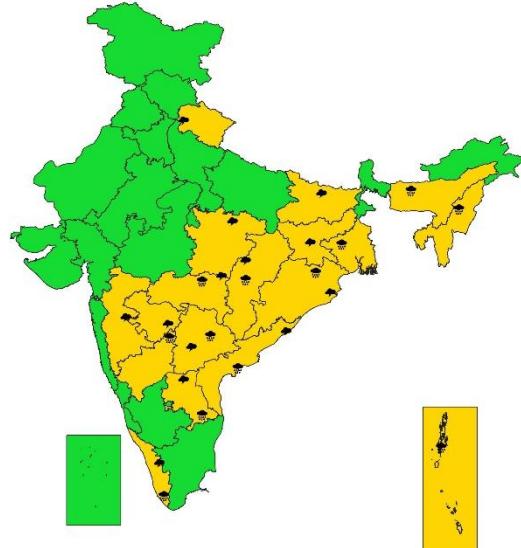


Subdivision Warning      Subdivision color

Heavy Rain	Dust Storm	NO WARNING
Heavy Snow	Strong Surface Winds	WATCH(BE UPDATED)
Thunderstorms & Lightning	Heat Wave	ALERT (BE PREPARED)
Hailstorm	Cold wave	
	Fog	WARNING (TAKE ACTION)

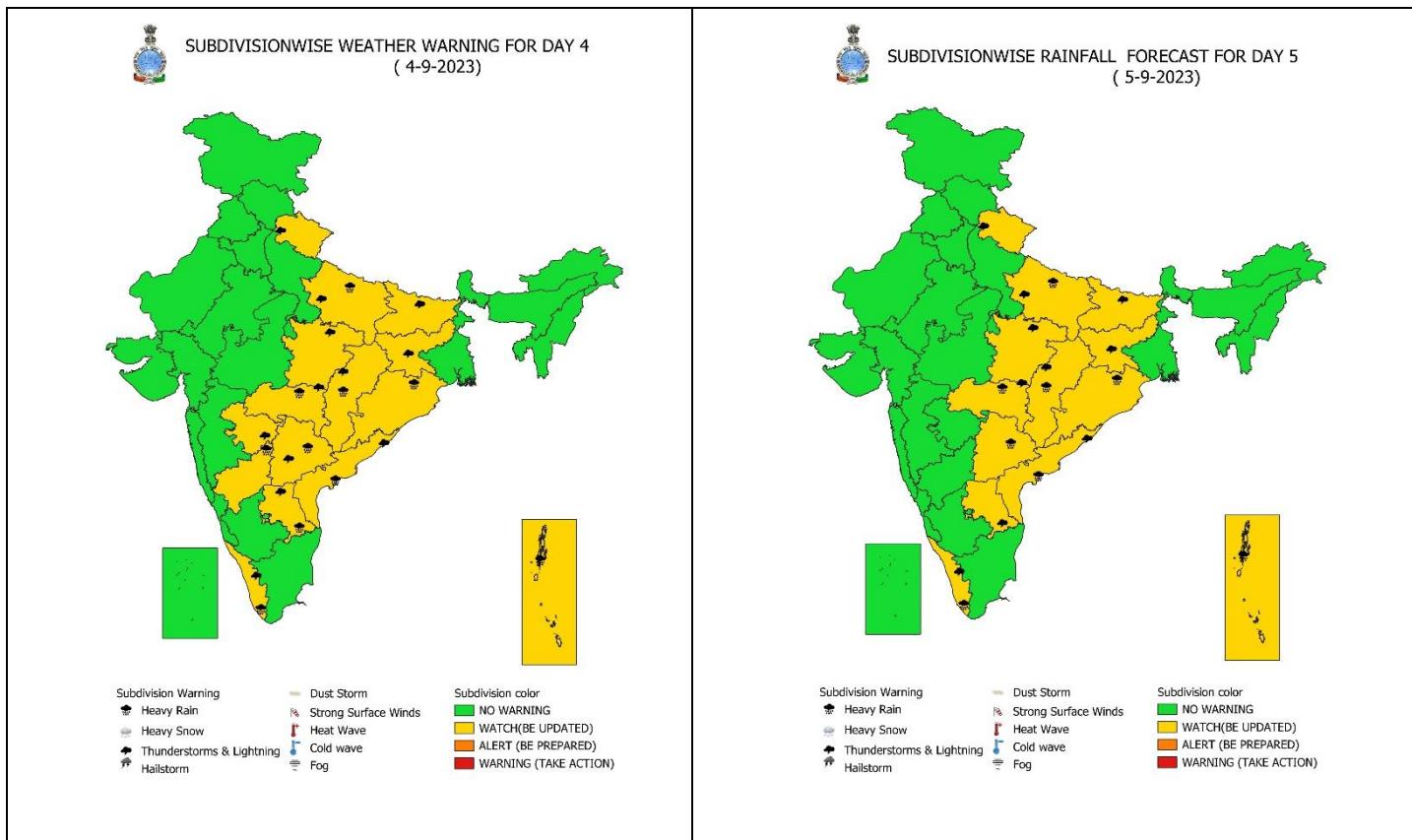


SUBDIVISIONWISE WEATHER WARNING FOR DAY 3  
( 3-9-2023 )



Subdivision Warning      Subdivision color

Heavy Rain	Dust Storm	NO WARNING
Heavy Snow	Strong Surface Winds	WATCH(BE UPDATED)
Thunderstorms & Lightning	Heat Wave	ALERT (BE PREPARED)
Hailstorm	Cold wave	
	Fog	WARNING (TAKE ACTION)



### 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 Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Warning

- 🌧 Heavy Rain
- 🌨 Heavy Snow
- 🌩 Thunderstorms & Lightning
- ⛈ Hailstorm

Dust Storm

- 🌪 Strong Surface Winds
- 🌡 Heat Wave
- 🥶 Cold wave
- 🌫 Fog

Subdivision color

- 🟩 NO WARNING
- 🟨 WATCH(BE UPDATED)
- 🟧 ALERT (BE PREPARED)
- 🔴 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)