



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

**Press Release**

**Date: 05<sup>th</sup> August, 2023**

**Time of Issue: 1230 hours IST**

- Subject:** i) **Low Pressure Area over northeast Madhya Pradesh & neighbourhood is likely to cause heavy to very heavy rainfall over East Madhya Pradesh today.**  
ii) **Isolated heavy to very heavy rainfall likely along the foothills of the Himalayas (Uttarakhand, north Uttar Pradesh, Bihar, Sub-Himalaya West Bengal & Sikkim) during next 4-5 days.**  
iii) **Increase in rainfall activity over Northeast India during next 5 days.**  
iv) **Subdued rainfall activity likely to continue over Peninsular India during next 5 days.**

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

**Significant Weather features:**

- ❖ Yesterday's Low Pressure Area over northeast Madhya Pradesh & neighbourhood persists over the same region.
- ❖ A Western Disturbance as a cyclonic circulation lies over north Pakistan & adjoining Jammu in middle tropospheric levels.
- ❖ A cyclonic circulation lies over Gujarat & neighbourhood in middle tropospheric levels.
- ❖ The Monsoon Trough lies north of its normal position. It is likely to shift gradually further northwards during next 3 days.

**Weather Forecast and Warnings:**

**Northwest India:** Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** is very likely over Uttarakhand, Uttar Pradesh during 05<sup>th</sup>-09<sup>th</sup> August; Himachal Pradesh, Haryana-Chandigarh on 05<sup>th</sup> & 06<sup>th</sup> August; Punjab, East Rajasthan and Jammu on 05<sup>th</sup> August, 2023. **Isolated very heavy rainfall also likely over East Uttar Pradesh during 06<sup>th</sup>-08<sup>th</sup> and over Uttarakhand during 06<sup>th</sup>-09<sup>th</sup> August.**

**Central India:** Light/moderate fairly widespread to widespread rainfall with isolated **heavy to very heavy rainfall** is very likely over East Madhya Pradesh and heavy rainfall over West Madhya Pradesh today and reduction thereafter.

**East India:** Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** very likely over Sub-Himalayan West Bengal & Sikkim, Bihar during 05<sup>th</sup>-08<sup>th</sup>; Jharkhand on 06<sup>th</sup> & 07<sup>th</sup> and Gangetic West Bengal on 07<sup>th</sup> & 08<sup>th</sup> August. Isolated **very heavy rainfall** is also likely over Sub-Himalaya West Bengal & Sikkim on 07<sup>th</sup> & 08<sup>th</sup> and over Bihar during 06<sup>th</sup>-08<sup>th</sup> August.

**Northeast India:** Light/moderate fairly widespread to widespread rainfall with **isolated heavy to very heavy rainfall** very likely over Arunachal Pradesh, Assam, Meghalaya and Nagaland, Manipur during next 4-5 days.

**West India:** Light/moderate scattered to fairly widespread rainfall very likely to continue over Konkan & Goa and ghat areas of Madhya Maharashtra during next 5 days with isolated **heavy falls** over ghat areas of Madhya Maharashtra on 05<sup>th</sup> & 06<sup>th</sup> August.

**South India:** Subdued rainfall activity over the region during next 5 days.

For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

## Annexure I

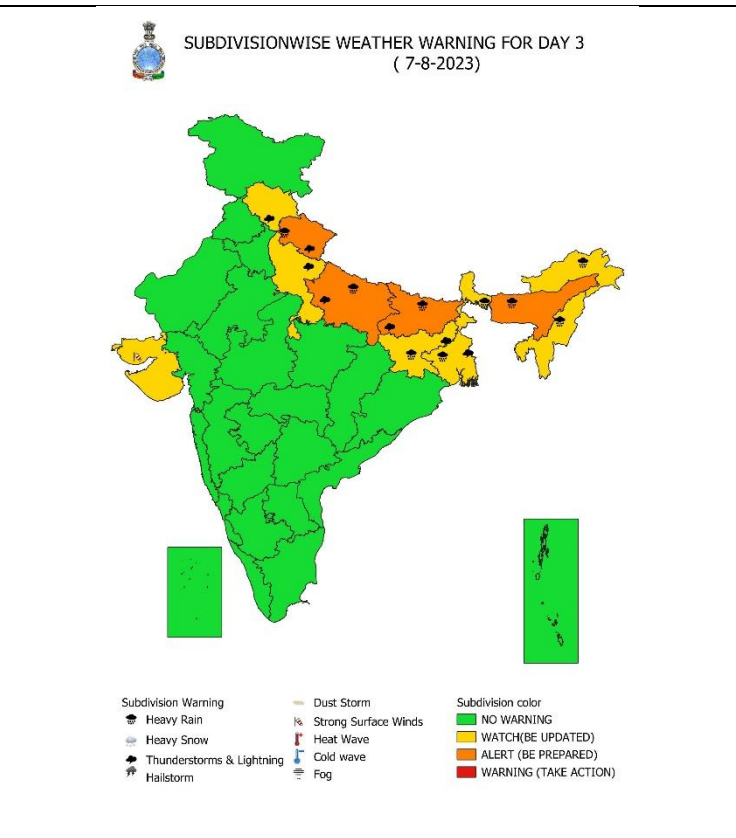
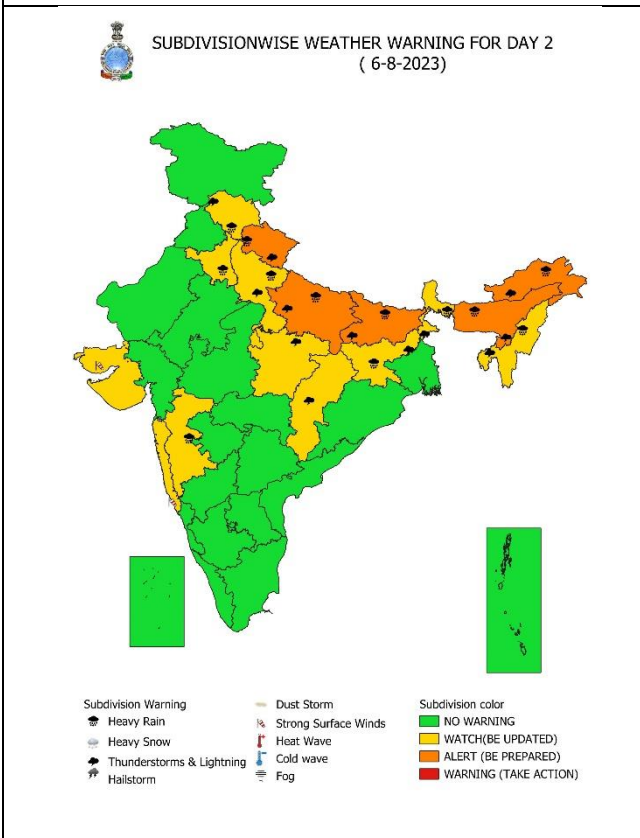
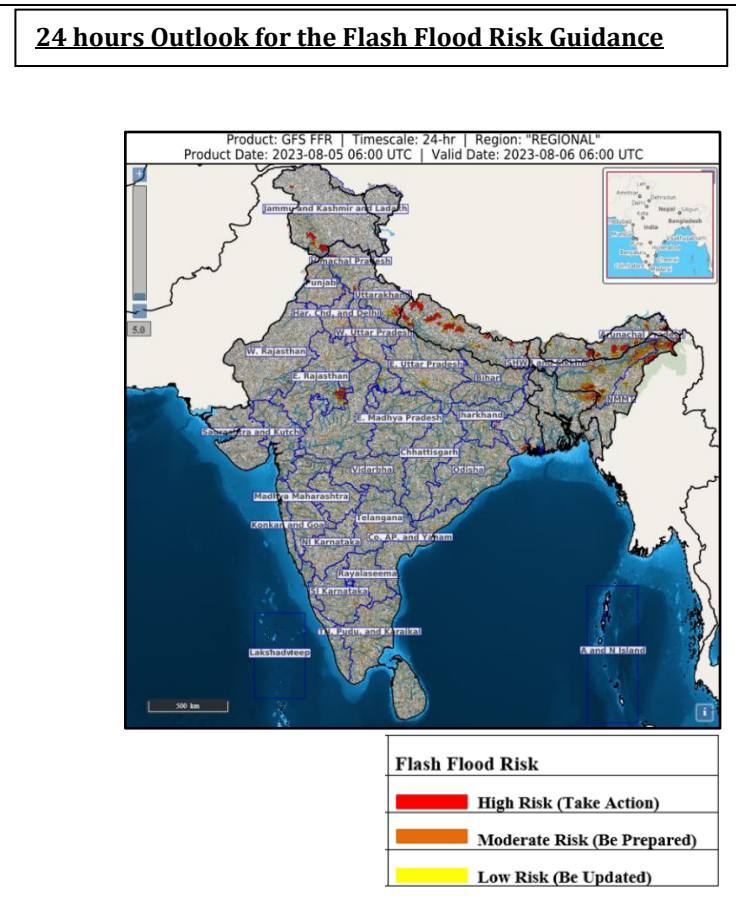
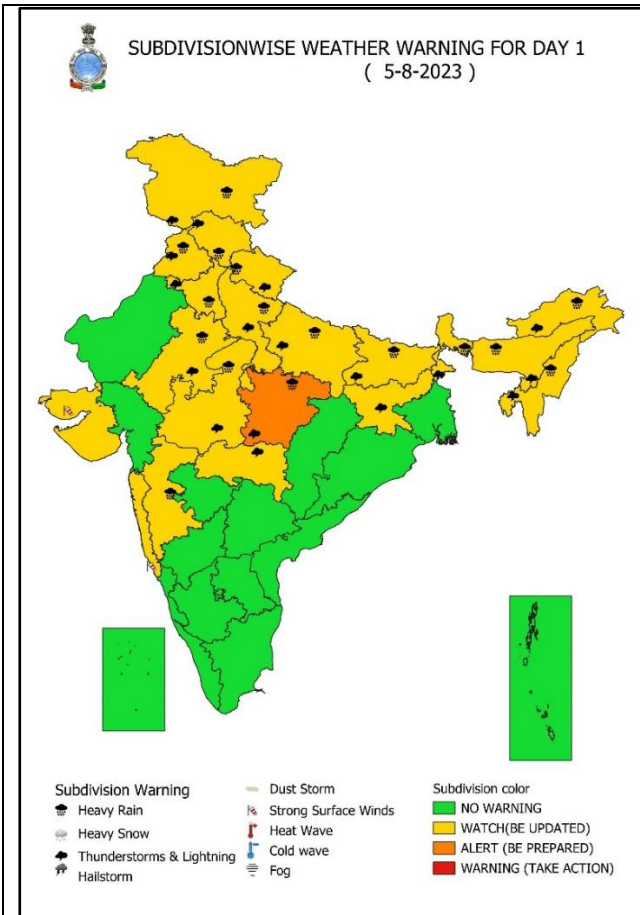
### Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 05<sup>th</sup> August, 2023):

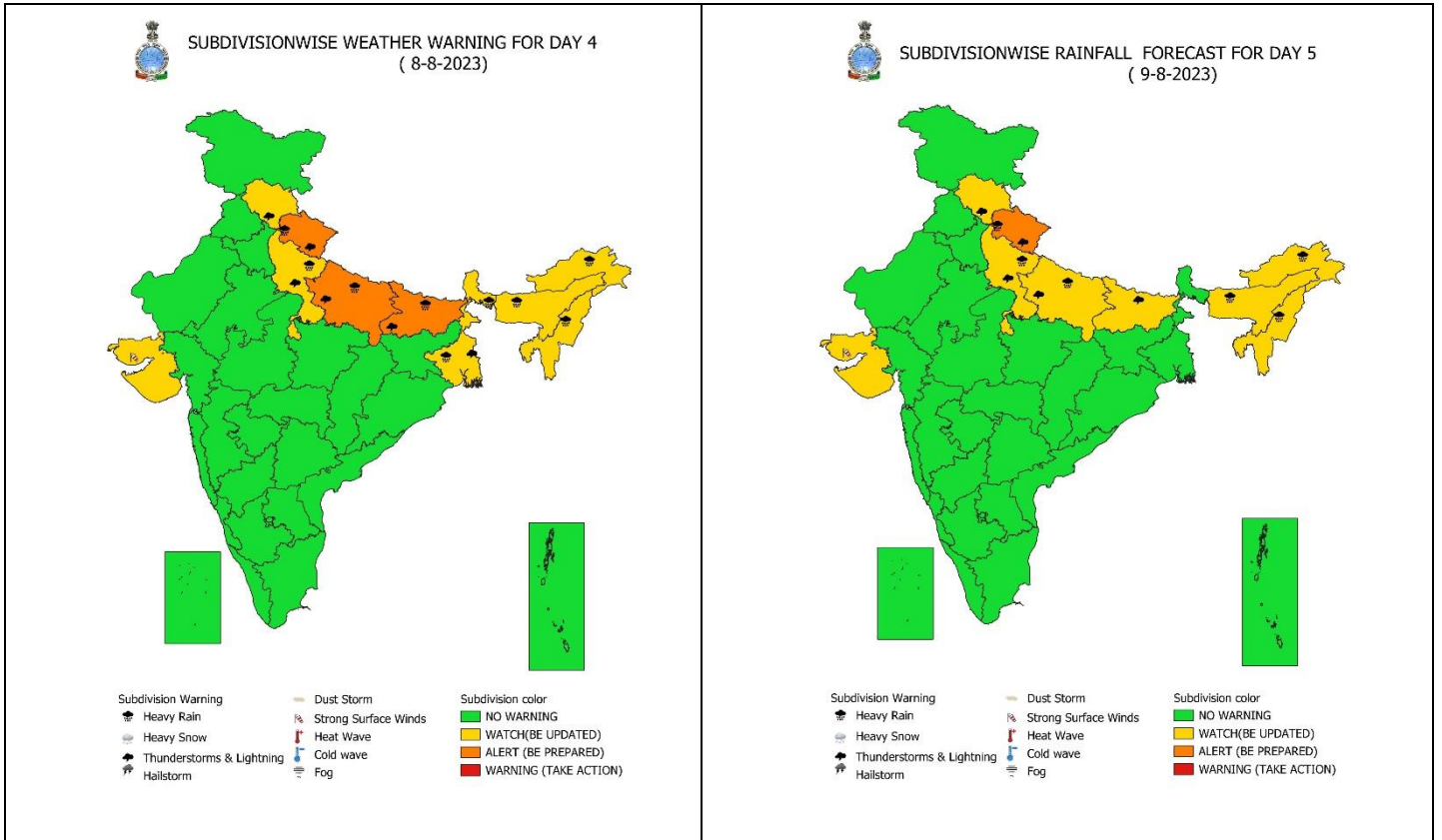
➤ **Heavy to very heavy rainfall** at isolated places over Madhya Pradesh, Sub-Himalaya West Bengal & Sikkim, Assam & Meghalaya; **heavy rainfall** at isolated places over Jammu, Himachal Pradesh, Uttarakhand, East Rajasthan, Punjab, Haryana-Chandigarh-Delhi, Bihar, Arunachal Pradesh and Coastal Karnataka.

➤ **Significant rainfall recorded (in cm):**

- ✓ **West Madhya Pradesh:** Roan (dist Bhind) 16, Mihona (dist Bhind) 16, Lahar (dist Bhind) 13, Karera (dist Shivpuri) 8, Khaniyadana (dist Shivpuri) 8, Gormi (dist Bhind) 7,
- ✓ **East Madhya Pradesh:** Nowgong (dist Chhatarpur) 13, Mangawan (dist Rewa) 10, Chahtarpur-aws (dist Chhatarpur) 10, Palera (dist Tikamgarh) 9, Gaurihar (dist Chhatarpur) 8, Baldevgarh (dist Tikamgarh) 7, Khajuraho Aero (dist Chhatarpur) 7, Khargapur (dist Tikamgarh) 7,
- ✓ **Sub-Himalaya West Bengal & Sikkim:** Mathabhanga-13, Pundibarim Dhupguri-11 each, Buxaduar-10, Sevoke-8, Jalpaiguri, Bhutanghat, Sankosh-7 each
- ✓ **Assam & Meghalaya:** Sohra ARG (dist East Khasi hills) 12, PYNURSLA (dist. EAST KHASI HILLS ) 10, SHORA RKM (dist East Khasi hills) 10, Sohra (dist East Khasi hills ) 9, RATTACHERA (dist JAINTIA HILLS) 8, Mawsynram (dist East Khasi hills) 7
- ✓ **Himachal Pradesh:** Paonta (dist Sirmaur) 11, Ghamroor (dist Kangra) 6, Aghar (dist Hamirpur) 6,
- ✓ **Arunachal Pradesh:** Dollonmukh arg (dist.lower subansiri) 11 Mebo aws (east siang) 9,
- ✓ **Bihar:** Purnea-10, Kishanganj-6
- ✓ **Coastal Karnataka:** Mangaluru (dist Dakshina Kannada) 9,
- ✓ **East Rajasthan:** Karauli (dist Karauli) 9, Bayana (dist Bharatpur) 7,
- ✓ **Punjab:** Tibri (dist Gurdaspur) 9, Dhariwal Irr (dist Gurdaspur) 7,
- ✓ **Haryana-Chandigarh:** Chandigarh (dist Chandigarh) 8, Chandigarh Aws (dist Chandigarh) 7, Ballabgarh (dist Faridabad) 7,
- ✓ **Jammu & Kashmir:** Katra (dist Reasi) -8, Chatha (Jammu)-7,
- ✓ **Delhi:** Ayanagar-7, Safdarjung-5

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





**Impact & Action Suggested due to very heavy/extremely heavy rainfall over:**

1. East Madhya Pradesh on 05<sup>th</sup> August
2. East Uttar Pradesh & Bihar during 05<sup>th</sup>-07<sup>th</sup> August;
3. Uttarakhand during 06<sup>th</sup>-09<sup>th</sup> August
4. Assam & Meghalaya on 06<sup>th</sup> & 07<sup>th</sup>; Arunachal Pradesh on 06<sup>th</sup> August
5. Moderate flash flood risk likely over few watersheds & neighbourhoods of east Uttarakhand, Arunachal Pradesh, Assam & Meghalaya and Nagaland Met Sub-divisions during next 24 hours.

**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 kutcha 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

<b>Flash Flood Risk</b>	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)