



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

**Press Release
Date: 06th August, 2023
Time of Issue: 1300 hours IST**

**Subject: i) Isolated heavy to very heavy rainfall likely along the foothills of the Himalayas (Uttarakhand, north Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim) and over Northeast India during next 4-5 days.
ii) Subdued rainfall activity likely to over central and Peninsular India during next 4-5 days.**

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

Significant Weather features:

- ❖ A cyclonic circulation lies over south Bihar in lower tropospheric levels.
- ❖ The Monsoon Trough lies north of its normal position. It is likely to be north of its normal position or along the foothills of Himalayas during next 3-4 days.

Weather Forecast and Warnings:

Northwest India: Light/moderate scattered to fairly widespread rainfall with isolated **heavy rainfall** activity very likely over Uttarakhand during 06th-10th; Uttar Pradesh during 06th-09th; Himachal Pradesh on 06th August, 2023. **Isolated very heavy rainfall also likely over Uttarakhand and East Uttar Pradesh on 08th & 09th August.**

Central India: Light/moderate fairly widespread rainfall with isolated **heavy rainfall** activity is very likely over Northeast Madhya Pradesh & north Chhattisgarh on 06th August and reduce thereafter.

East India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy rainfall** activity very likely over West Bengal & Sikkim during 06th-08th and Bihar & Jharkhand during 06th-09th August. **Isolated very heavy rainfall** is also likely over Sub-Himalayan West Bengal & Sikkim on 06th & 07th; Bihar during 06th-08th and Jharkhand on 06th August.

Northeast India: Light/moderate fairly widespread to widespread rainfall with **isolated heavy to very heavy rainfall** activity very likely over Arunachal Pradesh, Assam, Meghalaya and Nagaland, Manipur during next 5 days. **Isolated extremely heavy rainfall** is also likely over Meghalaya on 06th & 07th August.

West & 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

Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 06th August, 2023):

➤ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places observed over Meghalaya; **heavy to very heavy rainfall** at isolated places over East Rajasthan and West Madhya Pradesh and **heavy rainfall** at isolated places over Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Mizoram and Arunachal Pradesh.

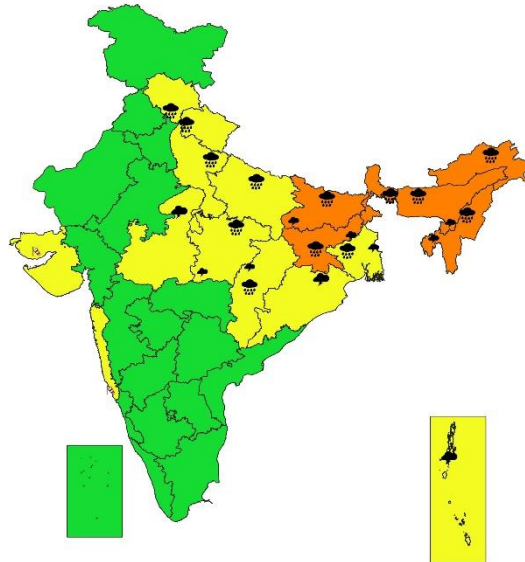
➤ **Significant rainfall recorded (in cm):**

- ✓ **Meghalaya:** Mawsynram (dist East Khasi Hills) 21, Cherrapunji(rkm) (dist East Khasi Hills) 12, Cherrapunji (dist East Khasi Hills) 11, Shella (dist East Khasi Hills) 10, Mawkyrwat (dist South West Khasi Hills) 9, Mawphlang (dist East Khasi Hills) 9;
- ✓ **East Rajasthan:** Sapotra (dist Karauli) 14, Bari (dist Dholpur) 8;
- ✓ **East Madhya Pradesh:** Orchha (dist Niwari) 13;
- ✓ **Uttarakhand:** Munsiyari (dist Pithoragarh) 11, Rishikesh (dist Dehradun) 11, Sama (dist Bageshwar) 9, Kotdwara (dist Pauri Garhwal) 9;
- ✓ **East Uttar Pradesh:** Rajghat (Dist Siddharthnagar) 11, Mirzapur (Dist Varanasi) 8, Churk (Dist Sonbhadra) 8;
- ✓ **West Uttar Pradesh:** Sadabad (Dist Hathras) 10, Budaun (Dist Budaun) 9, Maudaha (Dist Hamirpur) 9, Chandpur (Dist Bijnor) 8, Meerut (Dist Meerut) 7;
- ✓ **Bihar:** Harnaut (dist Nalanda) 10;
- ✓ **Jharkhand:** Bhawnathpur (dist Garhwa) 9, Kharaundhi(dist Garhwa) 7;
- ✓ **Sub-Himalaya West Bengal & Sikkim:** Chengmari/Diana (dist Jalpaigudi) 8;
- ✓ **Mizoram:** Lawngtlai Agri (dist Lawngtlai) 8;
- ✓ **Arunachal Pradesh:** Tuting (dist Upper Siang) 8.

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



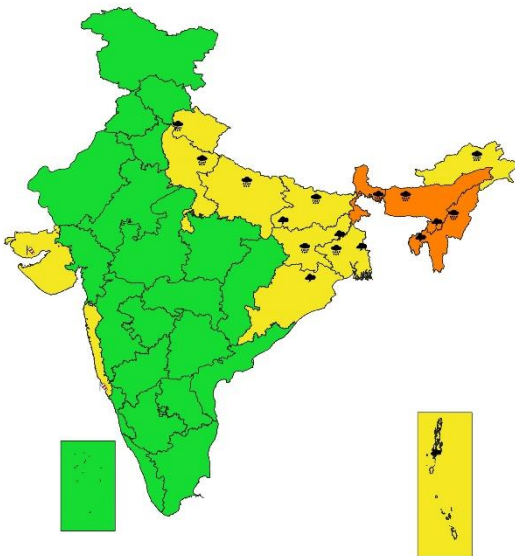
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1
(6-8-2023)



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| <p>Subdivision Warning</p> <ul style="list-style-type: none"> Heavy Rain Heavy Snow Thunderstorms & Lightning Hailstorm | <p>Subdivision color</p> <ul style="list-style-type: none"> NO WARNING WATCH (BE UPDATED) ALERT (BE PREPARED) WARNING (TAKE ACTION) | <ul style="list-style-type: none"> Dust Storm Strong Surface Winds Heat Wave Cold wave Fog | <ul style="list-style-type: none"> WATCH (BE UPDATED) ALERT (BE PREPARED) WARNING (TAKE ACTION) |
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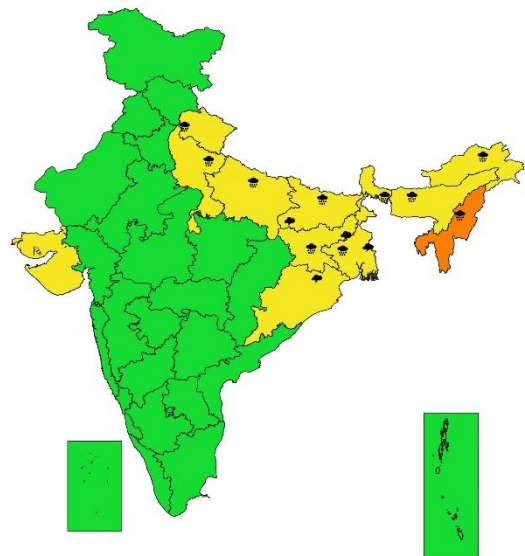
SUBDIVISIONWISE WEATHER WARNING FOR DAY 2
(7-8-2023)



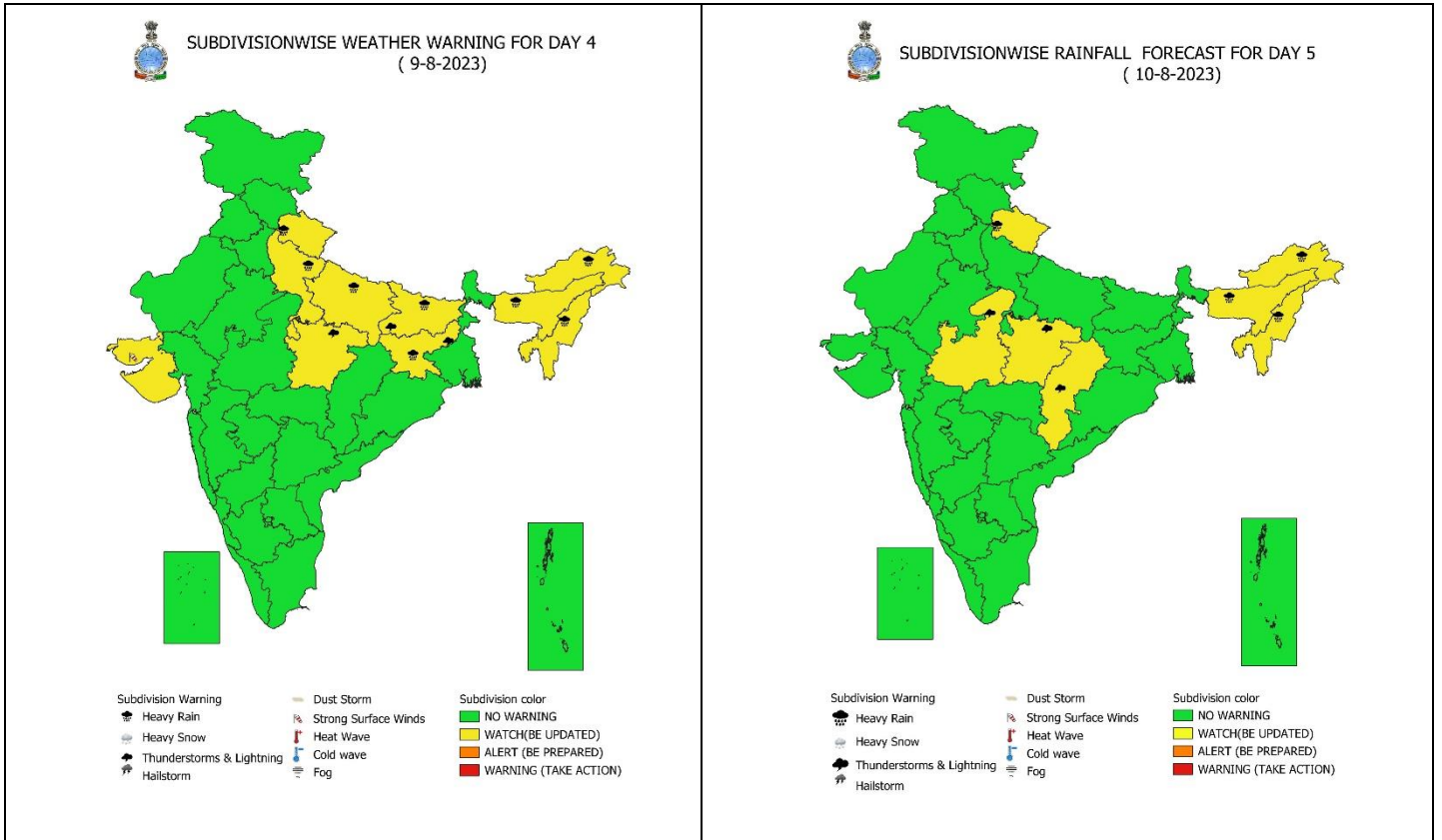
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| <p>Subdivision Warning</p> <ul style="list-style-type: none"> Heavy Rain Heavy Snow Thunderstorms & Lightning Hailstorm | <p>Subdivision color</p> <ul style="list-style-type: none"> NO WARNING WATCH (BE UPDATED) ALERT (BE PREPARED) WARNING (TAKE ACTION) | <ul style="list-style-type: none"> Dust Storm Strong Surface Winds Heat Wave Cold wave Fog |
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SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(8-8-2023)



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| <p>Subdivision Warning</p> <ul style="list-style-type: none"> Heavy Rain Heavy Snow Thunderstorms & Lightning Hailstorm | <p>Subdivision color</p> <ul style="list-style-type: none"> NO WARNING WATCH (BE UPDATED) ALERT (BE PREPARED) WARNING (TAKE ACTION) | <ul style="list-style-type: none"> Dust Storm Strong Surface Winds Heat Wave Cold wave Fog |
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Impact & Action Suggested due to very heavy/extremely heavy rainfall over:

1. Bihar, Jharkhand and Arunachal Pradesh on 06th August;
2. Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya on 06th & 07th August;
3. Nagaland & Manipur during 06th-08th August.

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.

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

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