



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 05th 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 05th-09th August; Himachal Pradesh, Haryana-Chandigarh on 05th & 06th August; Punjab, East Rajasthan and Jammu on 05th August, 2023. **Isolated very heavy rainfall also likely over East Uttar Pradesh during 06th-08th and over Uttarakhand during 06th-09th 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 05th-08th; Jharkhand on 06th & 07th and Gangetic West Bengal on 07th & 08th August. Isolated **very heavy rainfall** is also likely over Sub-Himalaya West Bengal & Sikkim on 07th & 08th and over Bihar during 06th-08th 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 05th & 06th August.

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

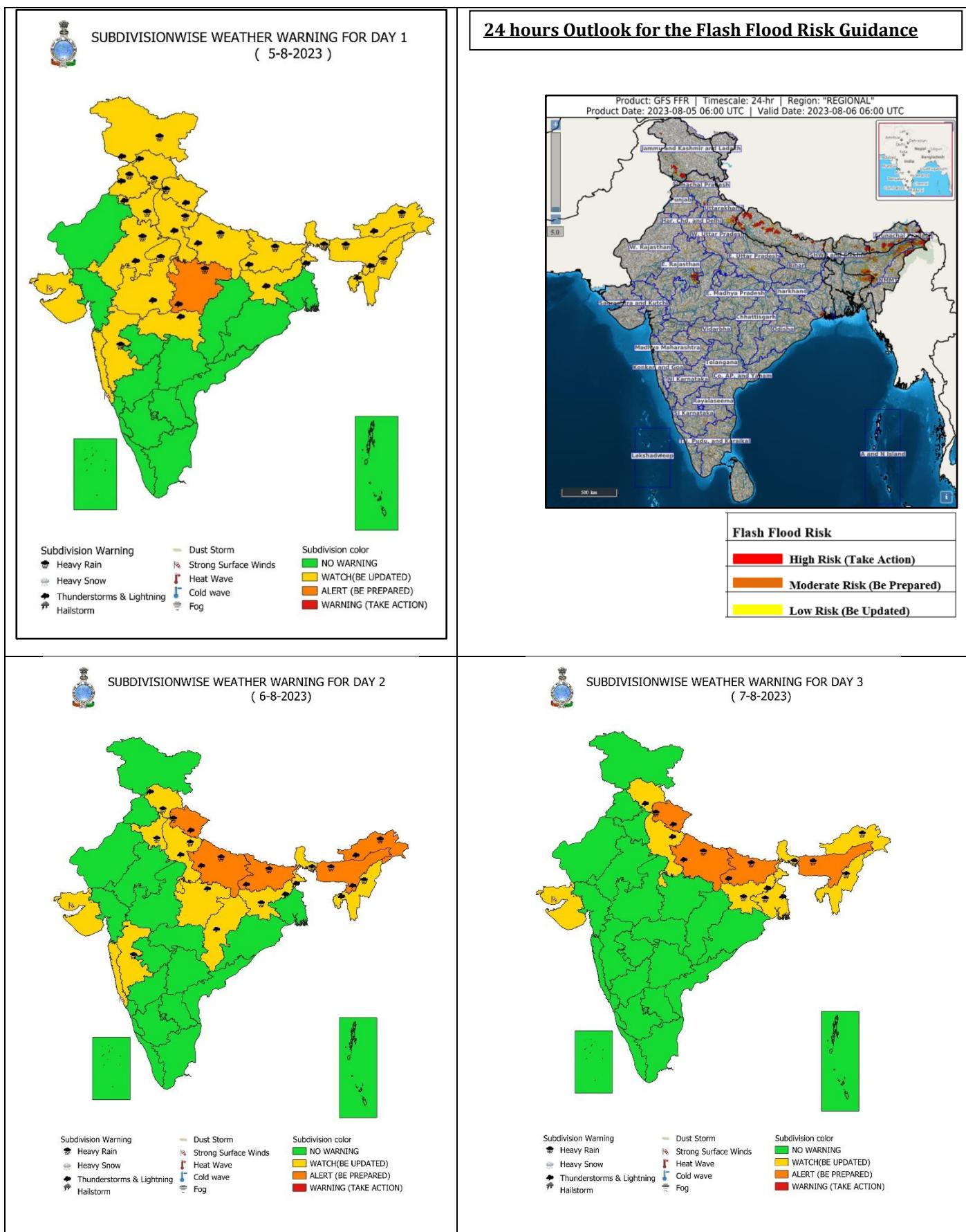
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

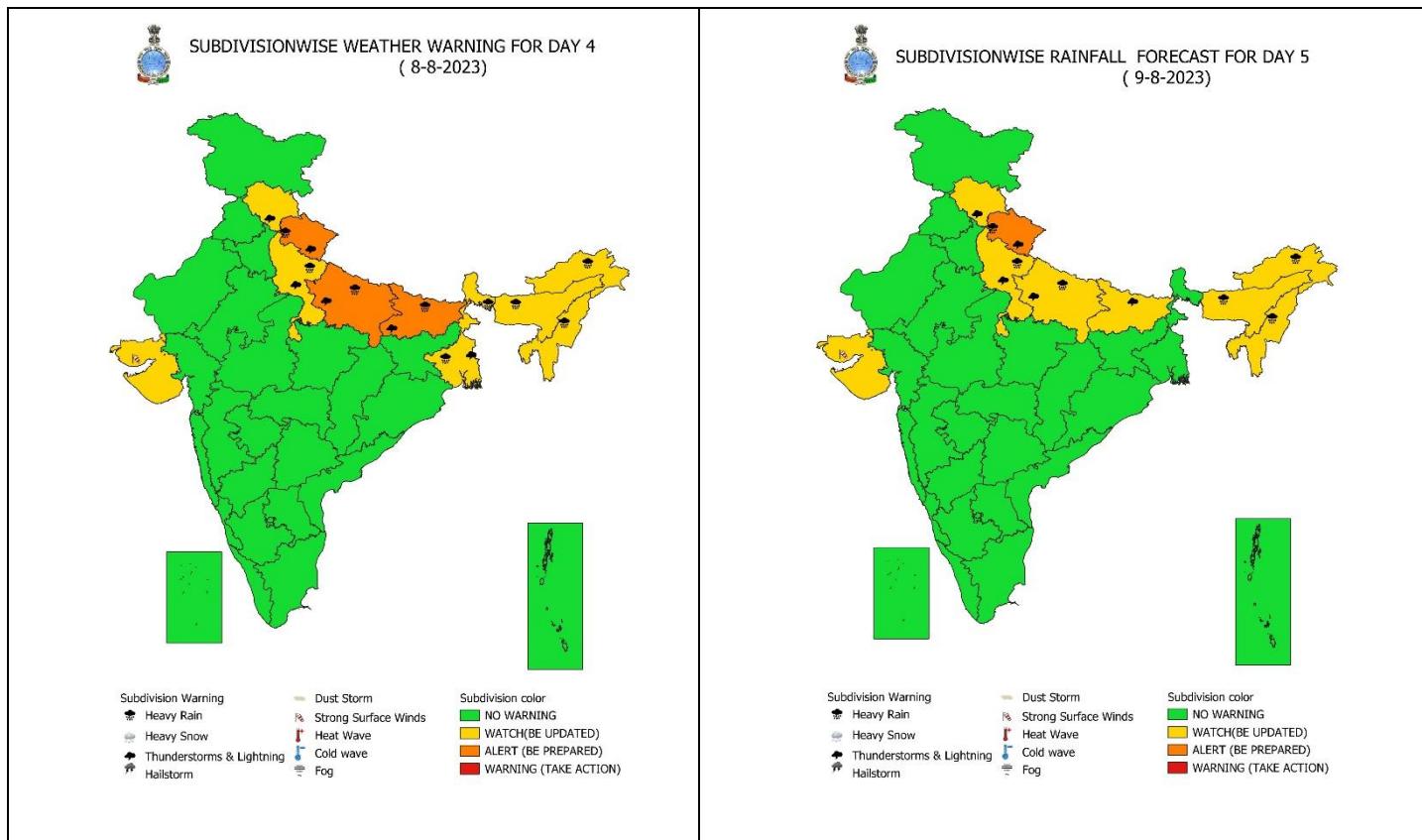
Annexure I

Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 05th 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 JAITIA 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 05th August
2. East Uttar Pradesh & Bihar during 05th-07th August;
3. Uttarakhand during 06th-09th August
4. Assam & Meghalaya on 06th & 07th; Arunachal Pradesh on 06th 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 kutch 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 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)	