



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 15th August, 2023

Time of Issue: 1245 hours IST

Subject: i) Isolated heavy rainfall likely to continue over Himachal Pradesh during next 2 days and over Uttarakhand & northeast India during next 4-5 days.
ii) Gradual increase in rainfall activity over East & adjoining central India from today, the 15th August, 2023.
iii) Subdued rainfall activity likely to continue over rest parts of the country during next 4-5 days.

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

Significant Weather features:

- ❖ The Monsoon Trough lies along the foot hills of the Himalayas. It is likely to gradually shift southwards and lie near its normal position from 18th August.
- ❖ A cyclonic circulation lies over southwest Bangladesh & neighbourhood lower tropospheric levels.
- ❖ A Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 75°E to the north of Lat. 32°N.

Weather Forecast and Warnings: (Annexure II)

Northwest India: Light/moderate scattered to fairly widespread rainfall/thunderstorm & lightning with isolated **heavy rainfall** likely over Himachal Pradesh on 15th & 16th; over Uttarakhand during 15th to 19th August, 2023.

Isolated very heavy falls also likely over Himachal Pradesh on 15th August.

East India: Light/moderate scattered to fairly widespread rainfall with **isolated heavy rainfall** activity very likely over Gangetic West Bengal during 15th to 17th; over Jharkhand during 15th to 18th; over Andaman & Nicobar Islands on 15th & 16th; over Odisha during 16th to 19th; over Sub-Himalaya West Bengal & Sikkim on 16th & 17th August. **Isolated very heavy falls also likely over Odisha on 17th & 18th August.**

Gusty winds with wind speed reaching 30-40 kmph gusting to 50 kmph very likely to prevail over Andaman & Nicobar Islands on 15th & 16th August.

Northeast India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with isolated **heavy rainfall** activity very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 15th to 19th August.

Central, West & South India: Light/moderate fairly to widespread rainfall/thunderstorm & lightning with isolated **heavy rainfall** activity very likely to increase over Chhattisgarh during 17th to 19th; over East Madhya Pradesh and Vidarbha on 19th; over Coastal Andhra Pradesh & Yanam and Telangana on 19th

August.

Subdued rainfall activity likely over remaining parts of these regions during next 5 days.

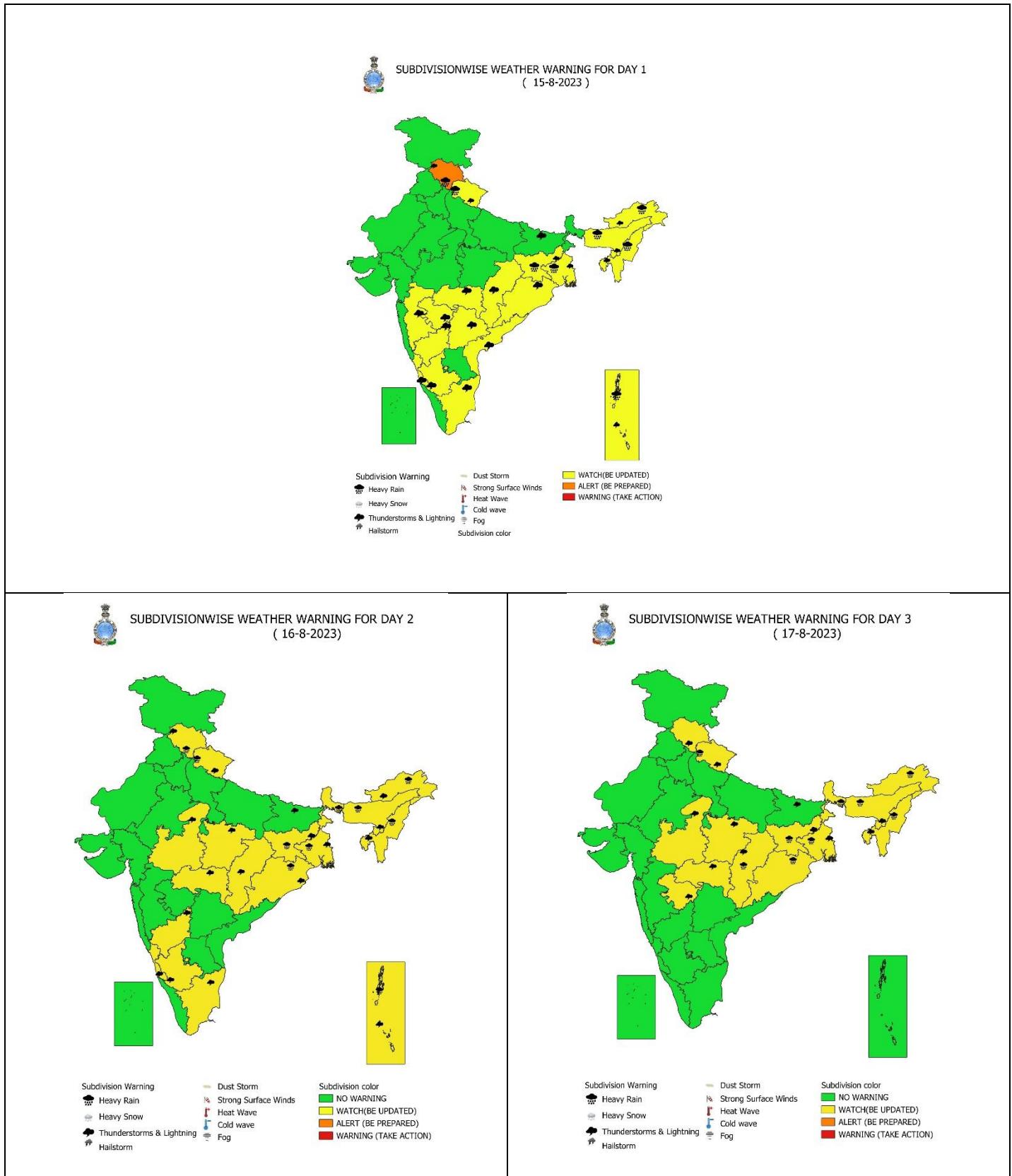
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

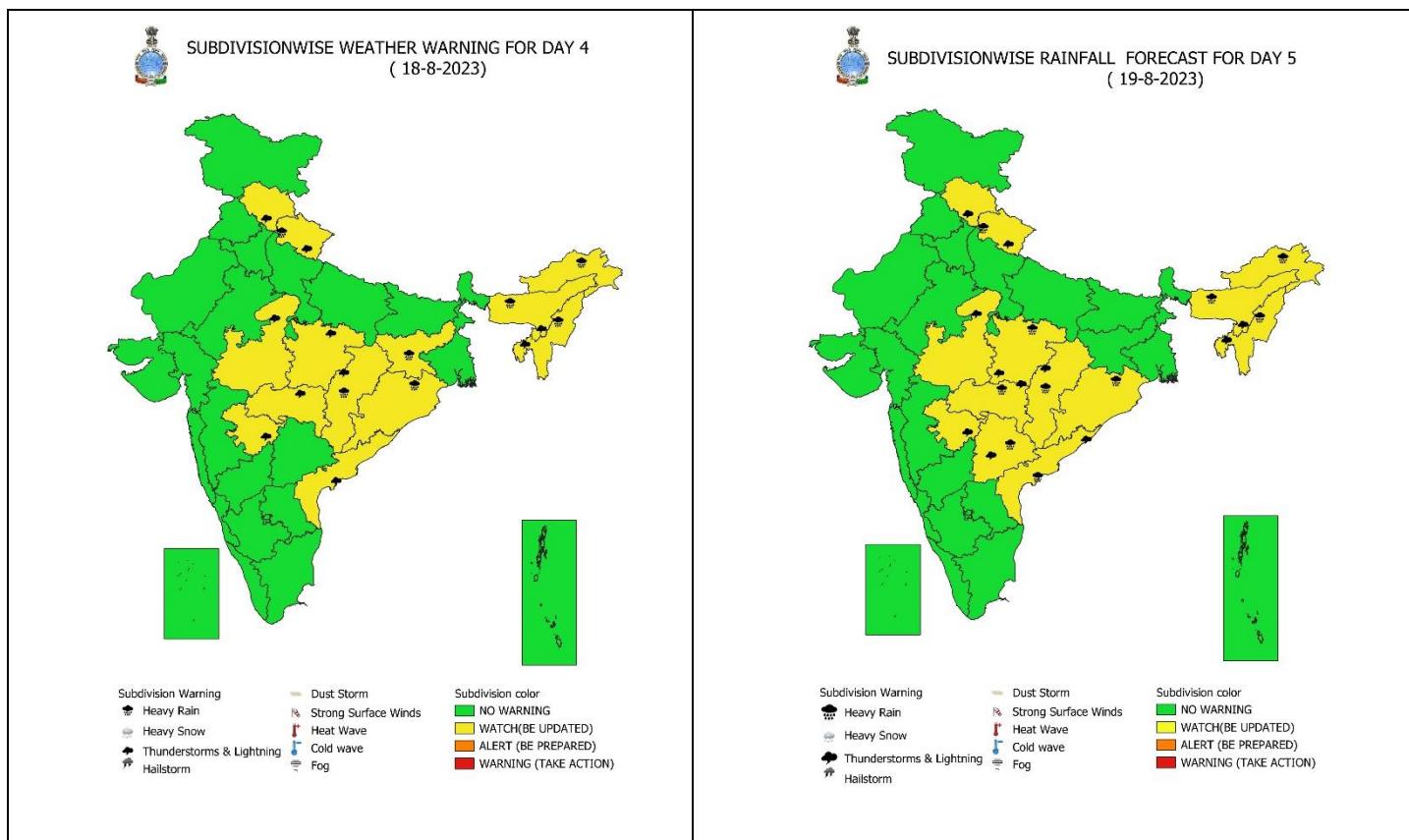
Annexure I

Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 14th August, 2023):

- **Heavy to very heavy rainfall** at isolated places over Andaman & Nicobar Islands, Himachal Pradesh and **heavy rainfall** at isolated places over Jharkhand, Gangetic West Bengal, Chhattisgarh, Uttar Pradesh, Tamil Nadu.
- **Significant rainfall recorded (in cm):**
 - ✓ **Andaman & Nicobar Islands:** Long Islands (dist. North & Middle Andaman) 17;
 - ✓ **Himachal Pradesh:** Gohar (dist Mandi) 14, Sujanpur Tira (dist Hamirpur) 13, Dharmshala (dist Kangra) 11, Guler (dist Kangra) 8, Narkanda (dist Shimla) 7, Simla (dist Shimla) 6, Aghar (dist Hamirpur) 6, Chuari (dist Chamba) 6, Nagrota Surian (dist Kangra) 5, Dehra Gopipur (dist Kangra) 5, Jogindarnagar (dist Mandi) 5, Nadaun (dist Hamirpur) 5, Rampur Bushar (dist Shimla) 5, Mandi (dist Mandi) 4, Bilaspur Sadar (dist Bilaspur) 4;
 - ✓ **Jharkhand:** Maithon -10; Panchet -9; Nawadih -7; Barkisuriya -5, Bokaro Thermal -4;
 - ✓ **Gangetic West Bengal:** Asansol (dist. Burdwan) 9, Burnpur (dist. Burdwan) 9;
 - ✓ **Chhattisgarh:** Ramanujganj (dist Balrampur) 7, Kusmi (dist Balrampur) 6;
 - ✓ **East Uttar Pradesh:** Bhatpurwagh (dist Sitapur) 7;
 - ✓ **West Uttar Pradesh:** Chandpur (dist Bijnor) 7;
 - ✓ **Tamil Nadu:** Sathiar (dist Madurai) 7, Walajabad (dist Kancheepuram) 6;
 - ✓ **Assam & Meghalaya:** Sonari (dist Sibsagar) 6, Shillong (dist East Khasi Hills) 6;
 - ✓ **Nagaland, Manipur, Mizoram & Tripura:** Jiribam (dist Imphal East) 6, Chottabekra (dist Imphal West) 5;
 - ✓ **Coastal Andhra Pradesh & Yanam:** Cheepurupalle (dist Vizianagaram) 5, Mandasa (dist Srikakulam) 5;
 - ✓ **Bihar:** Vaishali (dist Vaishali) 5, Adhwara (dist Bhabua) 4, Harnaut (dist Nalanda) 3, Nauhatta (dist Rohtas) 3;
 - ✓ **Uttarakhand:** Narendranagar 4, Lokarkhet 3, Sama, Karnaprayag 2 each;
 - ✓ **Punjab:** Shahpur Kandi (dist Pathankot) 3;

Annexure II





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

1. Himachal Pradesh on 15th 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; ∴ 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	
Color	Description
Red	High Risk (Take Action)
Orange	Moderate Risk (Be Prepared)
Yellow	Low Risk (Be Updated)