



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

Press Release

Date: 16th August, 2023

Time of Issue: 1230 hours IST

Subject: i) Increase in rainfall activity over East India from today and over adjoining central India from 17th August, 2023.

ii) 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 northeast & adjoining eastcentral Bay of Bengal in middle tropospheric levels tilting southwards with height. Under its influence a Low pressure area is likely to form over north Bay of Bengal & neighbourhood around 18th August 2023.
- ❖ A cyclonic circulation lies over northwest Uttar Pradesh & neighbourhood lower tropospheric levels.
- ❖ A fresh Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 68°E to the north of Lat. 32°N.

Weather Forecast and Warnings: (Annexure II)

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

Northeast India: Light/moderate fairly widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 16th to 20th August.

Central India: Light/moderate fairly to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over Chhattisgarh during 17th to 20th; over East Madhya Pradesh and Vidarbha during 18th-20th August.

Northwest India: Light/moderate scattered to fairly widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** likely over Uttarakhand during 18th to 20th August, 2023.

South India: Light/moderate scattered to fairly widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over Coastal Andhra Pradesh on 18th & 19th and Telangana on 19th August. **Hot and humid weather** is likely to prevail over Tamil Nadu in 16th & 17th August, 2023.

Subdued rainfall activity likely over remaining parts of the country during next 5 days.

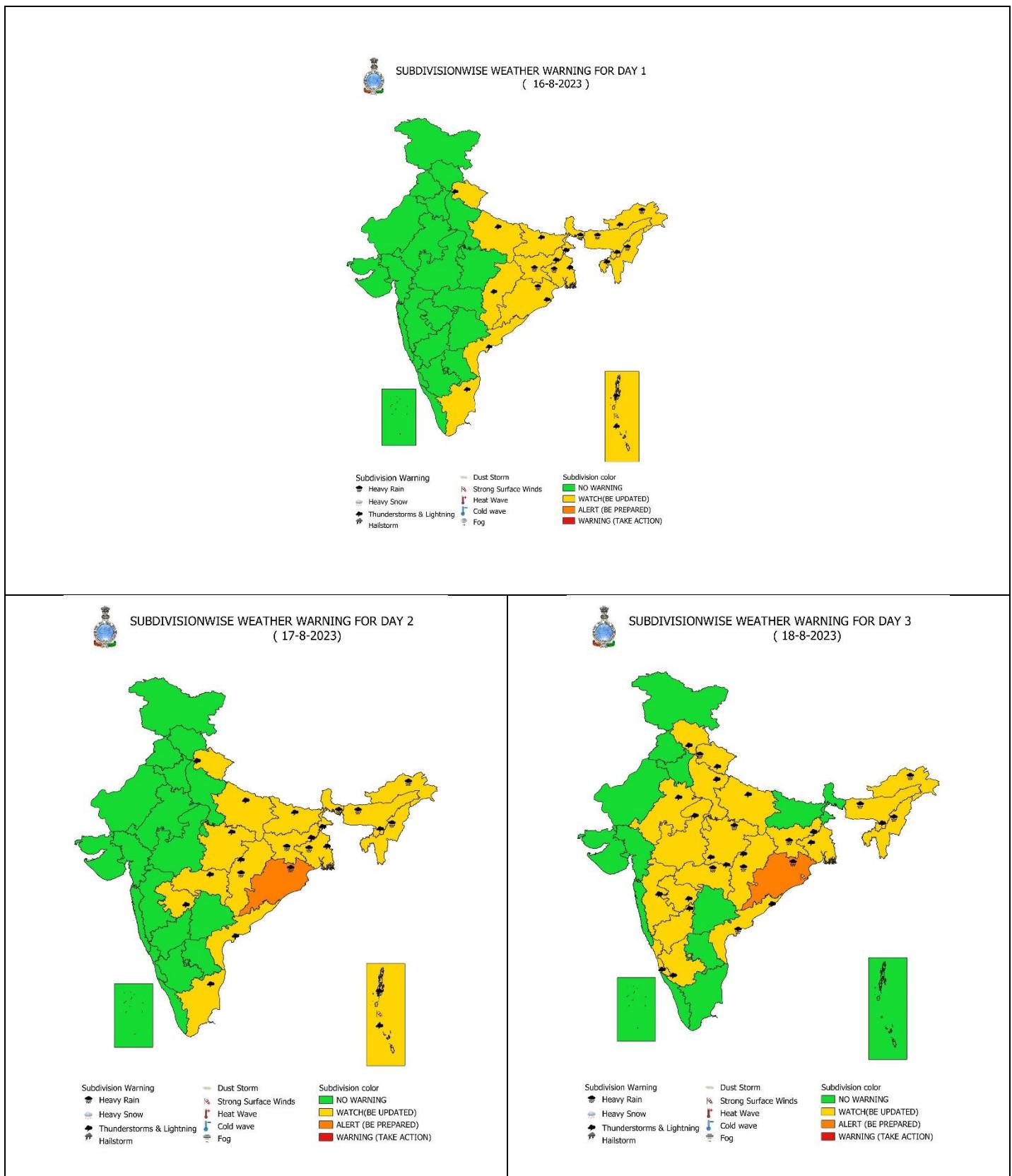
For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

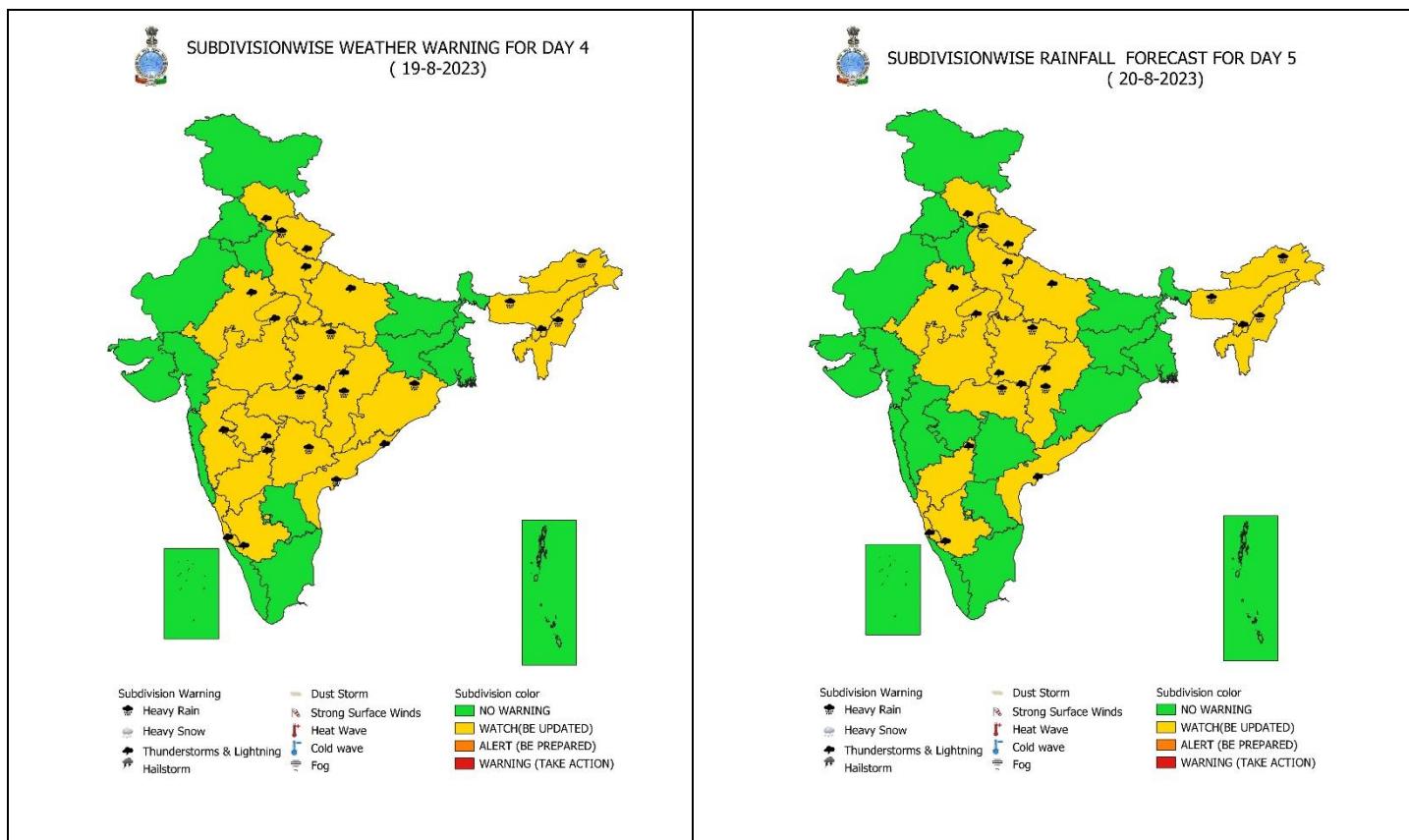
Annexure I

Rainfall Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 16th August, 2023):

- **Heavy to very heavy rainfall** at isolated places over Assam & Meghalaya, Tripura and **heavy rainfall** at isolated places over Andaman & Nicobar Islands, Sub-Himalaya West Bengal & Sikkim, Odisha, Jharkhand and Telangana.
- **Significant rainfall recorded (in cm):**
 - ✓ **Assam & Meghalaya:** Gossaigaon (dist Kokrajhar) 13, Lakhipur (dist Cachar) 9, Kokrajhar (dist Kokrajhar) 8, Lakhipur Arg (dist Cachar) 7
 - ✓ **Tripura:** Lembuchhera (Dist West Tripura) 13, Udaipur (Dist Gomati) 11, Amarpur (Dist Gomati) 11, Budhjonagar (Dist. West Tripura) 11, AGARTALA CITY (Dist. West Tripura) 10, Sipahijala (Dist. Sipahijala) 09, Arundhutinagar (Dist West Tripura) 7, Agartala (Dist West Tripura) 07
 - ✓ **Sub-Himalaya West Bengal & Sikkim:** Jalpaiguri-11, West Sikkim-7
 - ✓ **Odisha :** Nimpura (dist Puri) 11, Kaptipada (dist Mayurbhanj) 7, Raighar (dist Nawarangpur) 6, Lathikata (dist Sundargarh) 6, Mandira Dam (dist Sundargarh) 6,
 - ✓ **Andaman & Nicobar Islands:** Long Islands-10
 - ✓ **Jharkhand:** Bolba (Simdega)-9
 - ✓ **Telangana:** Mulakalapalle (dist B. Kothagudem) 7,
 - ✓ **Chhattisgarh:** Pendra Road (dist Bilaspur) 6, Rajpur (dist Balrampur) 5,
 - ✓ **Tamil Nadu:** Mettupatti (dist Madurai) 6, Periyapatti (dist Madurai) 5,
 - ✓ **Coastal Andhra Pradesh:** Guntur (dist Guntur) 6, Mandasa (dist Srikakulam) 5,
 - ✓ **Rayalaseema:** Tada (dist Tirupati) 5,
 - ✓ **Himachal Pradesh:** Kangra-4

Annexure II





Impact & Action Suggested due to very heavy rainfall over:

1. Odisha on 17th & 18th 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 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	
Color	Description
Red	High Risk (Take Action)
Orange	Moderate Risk (Be Prepared)
Yellow	Low Risk (Be Updated)