



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

Press Release

Date: 24th August, 2023

Time of Issue: 1245 hours IST

Subject: (i) Heavy to very heavy rainfall spell likely to continue over northeast, Sub-Himalayan West Bengal & Sikkim and Bihar during next 3 days and decrease thereafter; isolated heavy rainfall likely over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Jharkhand and Odisha during next 2 days.

(ii) Subdued rainfall activity likely over rest parts of the country during next one week

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

Significant Weather features:

- ❖ The western end of the Monsoon Trough lies to the north of its normal position and it is likely to remain so during next 6-7 days. However the eastern end of the monsoon trough passes through Patna, Deogarh, Diamond Harbour and thence southeastwards to eastcentral Bay of Bengal.
- ❖ An east-west trough runs from northeast Uttar Pradesh to east Assam in lower tropospheric levels.
- ❖ The Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 69°E to the north of Lat. 28°N.

Weather Forecast and Warnings: (Annexure II)

Northwest India: Light/moderate fairly widespread to widespread rainfall with isolated **heavy rainfall** likely over Himachal Pradesh, Uttarakhand, East Uttar Pradesh on 24th & 25th August, 2023.

East India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with **isolated heavy rainfall** activity very likely over West Bengal & Sikkim, Bihar, Odisha during 24th -26th; and Jharkhand on 24th & 25th August, 2023.

Isolated very heavy rainfall also likely over Sub-Himalayan West Bengal & Sikkim and Bihar on 24th & 25th and over Odisha on 24th August 2023.

Isolated extremely heavy rainfall likely over Sub-Himalayan West Bengal-Sikkim on 24th August, 2023.

Northeast India: Light/moderate fairly widespread to widespread rainfall/thunderstorm & lightning with isolated **heavy rainfall** activity very likely over the region during next 5 days.

Isolated very heavy rainfall also likely over Assam & Meghalaya during 24th -26th and over Arunachal Pradesh on 24th & 25th August, 2023.

No significant weather over rest parts of the country during next 5 days.

For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

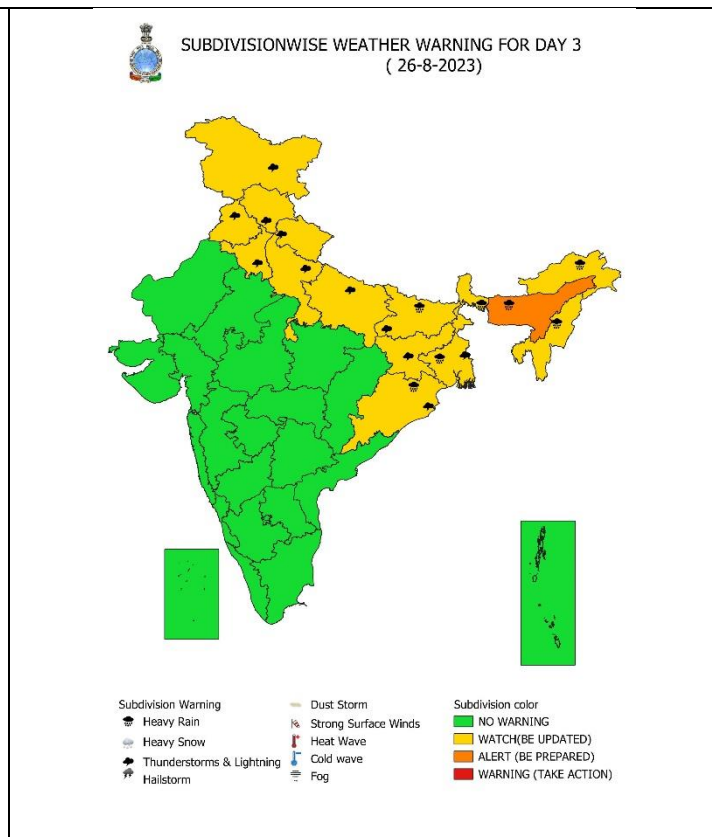
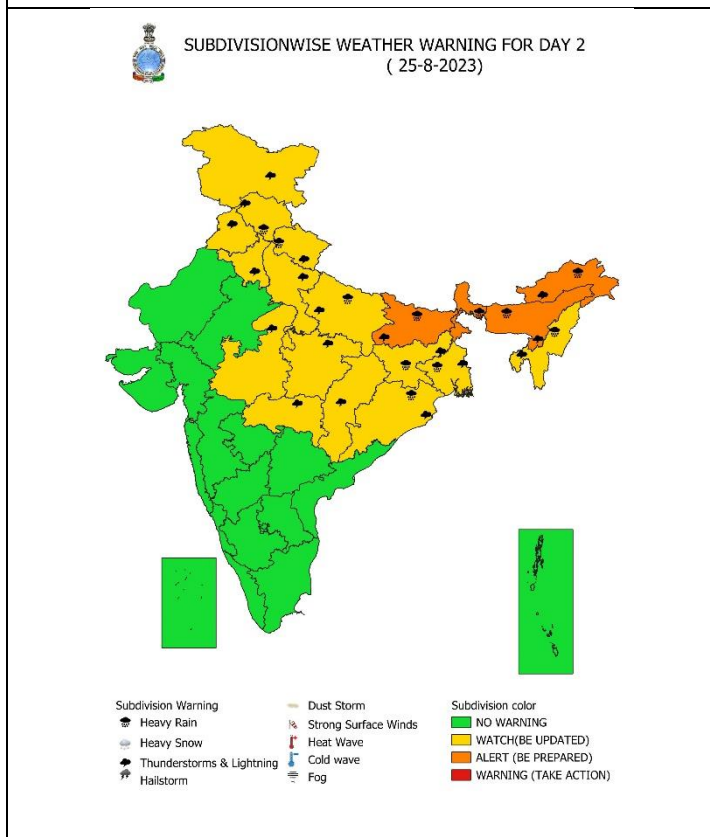
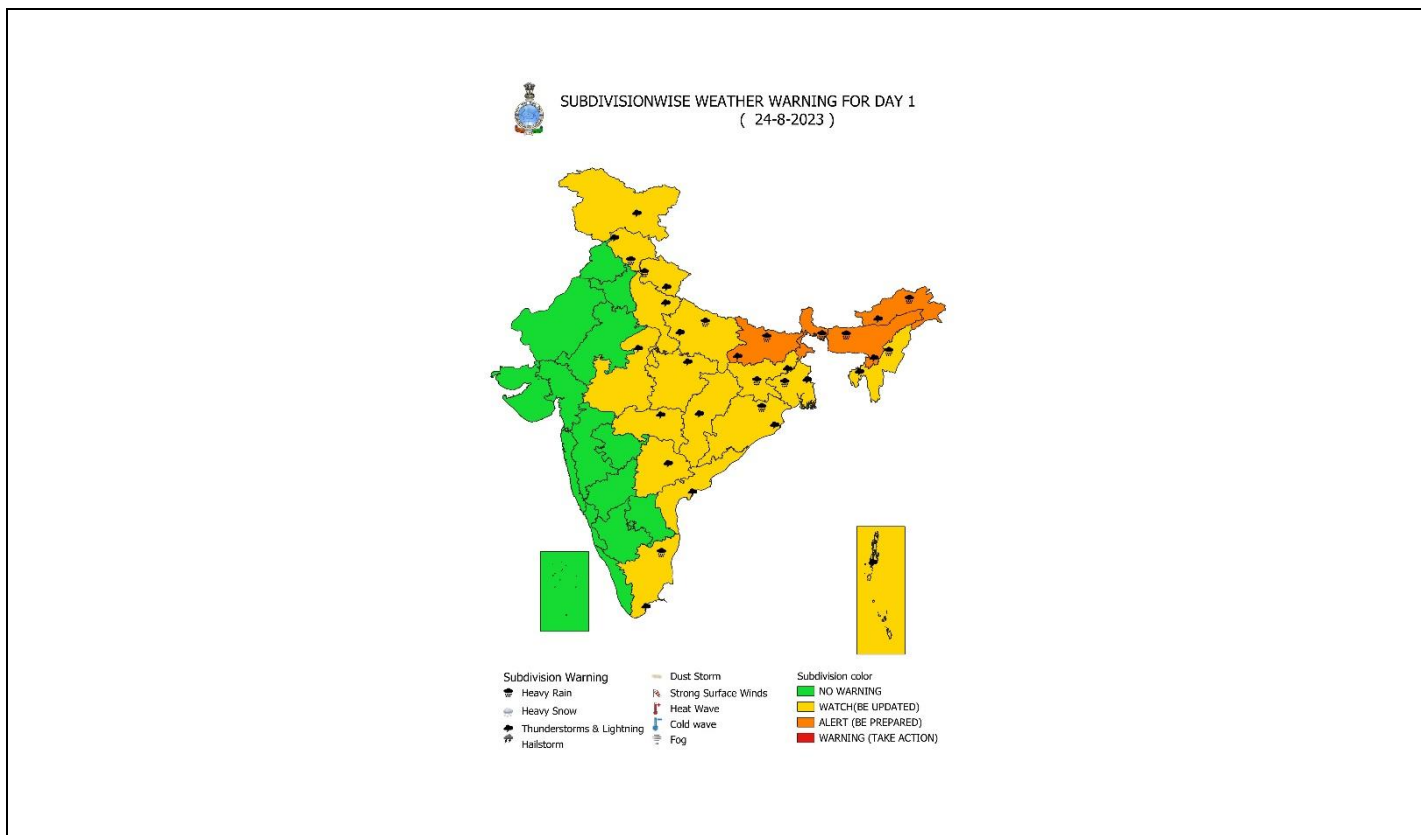
Annexure I

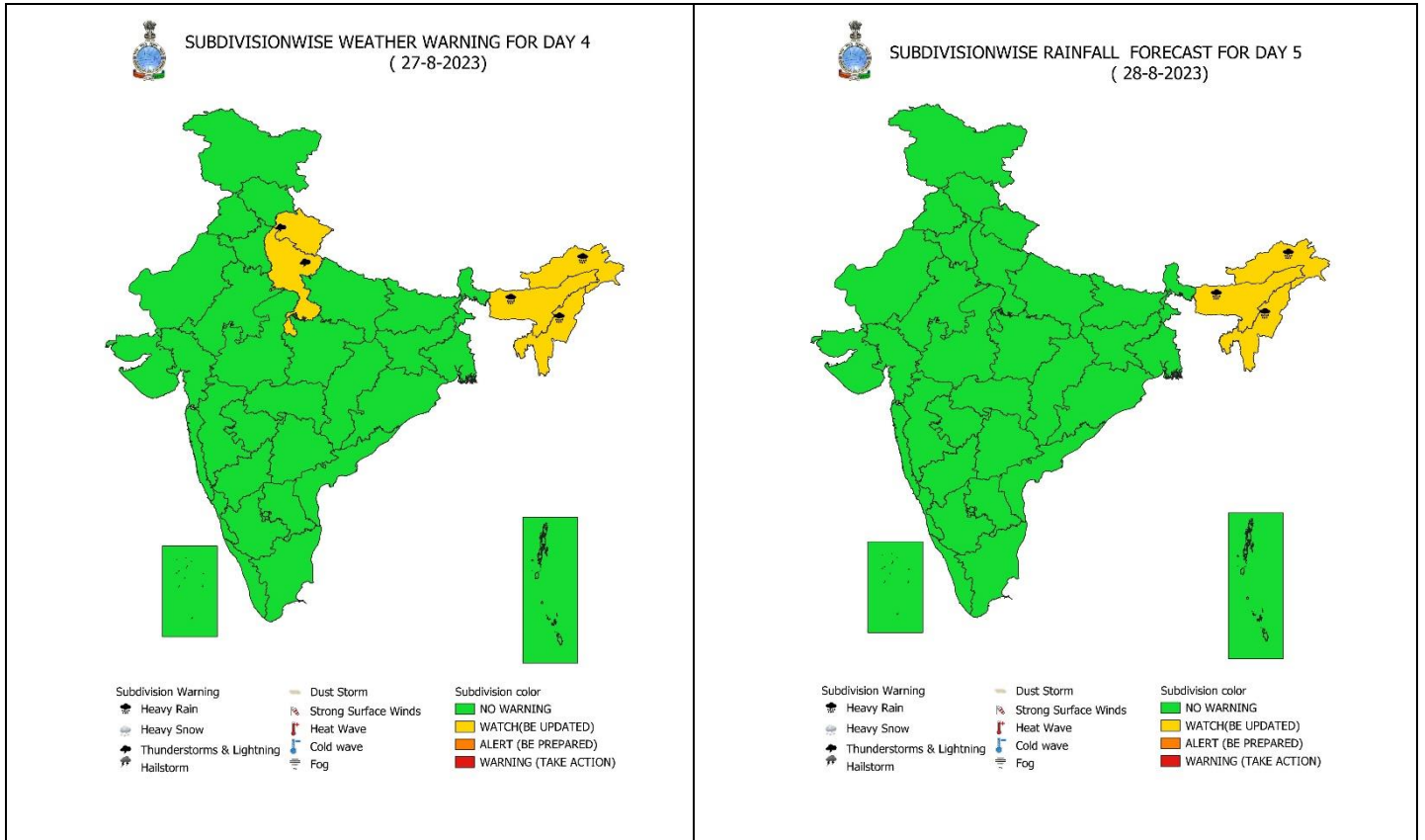
Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 24th August, 2023):

- **Heavy to very heavy rainfall** at isolated places over Himachal Pradesh, West Uttar Pradesh, Odisha, Bihar and Andaman & Nicobar and **heavy rainfall** at isolated places over Haryana, Uttarakhand, East Uttar Pradesh, Vidarbha, East Madhya Pradesh, Chhattisgarh, West Bengal & Sikkim, Jharkhand, Rayalaseema, Coastal Andhra Pradesh, Assam & Meghalaya and Tamilnadu.
- **Significant rainfall recorded (in cm):**
 - ✓ **West Uttar Pradesh:** Aliganj (dist Etah) 16, Sahaswan (dist Badaun) 12, Budaun (dist Badaun) 11, Sikandra Rao (dist Hathras) 11, Jalesar (dist Etah) 10, Karhal (dist Mainpuri) 8, Muzaffarnagar(t) (dist Muzaffarnagar) 8, Muzaffarnagar (dist Muzaffarnagar) 8, Jasrana (dist Firozabad) 8, Mainpuri (dist Mainpuri) 8, Patiyali (dist Kasganj) 8, Sambhal (dist Sambhal) 8, Anupshahr (dist Bulandshahar) 8, Aligarh (dist Aligarh) 7, Gunnaur (dist Sambhal) 7, Shikohabad (dist Firozabad) 7, Chandausi (dist Sambhal) 7, Atrauli (dist Aligarh) 7, Hasanpur (dist Amroha) 6, Sasani (dist Hathras) 6, Etah (dist Etah) 6, Agra Obsy (dist Agra) 6, Bilari (dist Moradabad) 6,
 - ✓ **Himachal Pradesh:** Jogindarnagar (dist Mandi) 15, Palampur (dist Kangra) 14, Nahan (dist Sirmaur) 9, Simla (dist Shimla) 8, Pandoh (dist Mandi) 7, Dharmsala (dist Kangra) 7, Sangraha (dist Sirmaur) 7, Rajgarh (dist Sirmaur) 7, Pachhad (dist Sirmaur) 6, Solan (dist Solan) 6, Rohru (dist Shimla) 6, Mandi (dist Mandi) 6,
 - ✓ **Uttarakhand:** Bageshwar (Loharkhet-9, Pithoragarh (Munsiyari-6),
 - ✓ **East Uttar Pradesh:** Fatehgarh Cwc (dist Farrukhabad) 9, Hardoi Teh (dist Hardoi) 9, Hardoi Obsy (dist Hardoi) 9, Karwi (dist Chitrakoot) 8, Phaphmau Fmo (dist Prayagraj) 8, Ghazipur Obsy (dist Ghazipur) 8, Malihabad (dist Lucknow) 8, Bansi Cwc (dist Siddharth Nagar) 8, Neemsar (dist Sitapur) 7, Elgin Bridge (dist Barabanki) 7, Salempur (dist Deoria) 7, Kakrahi (dist Siddharth Nagar) 7, Dabri Fmo (dist Farrukhabad) 6, Chopan Fmo (dist Sonbhadra) 6, Colonialganj (dist Gonda) 6, Kanpur Teh (dist Kanpur City) 6, Ramnagar (dist Barabanki) 6, Sawayajpur (dist Hardoi) 6,
 - ✓ **Haryana:** Dadupur (dist Yamuna Nagar) 6,
 - ✓ **Vidarbha:** Desaiganj (dist Gadchiroli) 10,
 - ✓ **East Madhya Pradesh:** Lalburra (dist Balaghat) 7, Hanumana (dist Rewa) 6,
 - ✓ **Chhattisgarh:** Kusmi (dist Balrampur) 7, Jashpurnagar (dist Jashpur) 6,
 - ✓ **Andaman & Nicobar Islands:** Long Island : 19
 - ✓ **Odisha:** Tangi (dist Khurda) 15, Bahalda (dist Mayurbhanj) 8, Athgarh (dist Cuttack) 8, Bhuban (dist Dhenkanal) 7, Udala (dist Mayurbhanj) 7, Sukinda (dist Jajpur) 6, Hirakud (dist Sambalpur) 6, Balisankara (dist Sundargarh) 6, Kantapada (dist Cuttack) 6, Suliapada (dist Mayurbhanj) 6,
 - ✓ **Bihar:** Ghanshyampur (dist Darbhanga) 12, Taibpur (dist Kishanganj) 8, Tedhagach (dist Kishanganj) 8, Saraiya (dist Muzaffarpur) 7, Thakurganj (dist Kishanganj) 7, Rewaghat (dist Muzaffarpur) 6, Araria (dist Araria) 6, Jokihat (dist Araria) 6, Murliganj (dist Madhepura) 6,

- ✓ **Sub- Himalayan West Bengal & Sikkim:** Bagrakote : 9, Barobhisha, Chepan : 8, Alipurduar (P.T.O.), Gazoledoba, Cooch Behar, Sankosh, Sankosh Lrp : 7bhutanghat : 6, Yuksom (ARG) : 7, Shipgyer, Mangan (AWS), Namthang : 6
- ✓ **Gangetic West Bengal:** Panskura : 8, Arambag, Haldia, D. Harbour, Uluberia, Swarupganj : 7, Jamalpur CWC, Sabang : 6,
- ✓ **Jharkhand:** Lohardaga-9; Phusro-8; Ramgarh(Bdo)-7; Kuru-6; Jamshedpur Aero-6; Zrs Darisai-6; Giridih Bengbad Kvk Aws-6,
- ✓ **Tamil Nadu, Puducherry & Karaikal:** West Tambaram ARG (dist Chengalpattu) 11, KVK Kattukuppam ARG(dist Kancheepuram), Uthandi (dist Chennai), VIT Chennai ARG (dist Chengalpattu) 10 each, Satyabama University ARG (dist Chengalpattu) 9, Thiruvottiyur (dist Chennai), Sholinganallur (dist Chennai), Mugalivakkam (dist Chennai) 8 each, Tiruvallur (dist Tiruvallur), Koratur (dist Tiruvallur), Sholinganallur (dist Chennai), Manali (dist Chennai), Kodambakkam (dist Chennai) 7 each, Ayanavaram Taluk Office (dist Chennai), CD Hospital Tondaiyarpeta (dist Chennai), Chennai Airport (dist Chennai), Valasaravakkam (dist Chennai), Chembarambakkam (dist Kancheepuram) 6 each,
- ✓ **Rayalaseema:** Tada (dist Tirupati) 7, Sullurpeta (dist Tirupati) 6,
- ✓ **Coastal Andhra Pradesh:** Gudivada (dist Krishna) 7,
- ✓ **Assam & Meghalaya:** Sohra 10, Barapani 6, Mawsynram 13, Nongstoin 8, Mawkrywat 7,

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 rainfall over Sub-Himalaya West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Bihar on 24th & 25th August, 2023.

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.
- ❖ **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)