



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

**Press Release
Date: 28th August, 2022
Time of Issue: 1215 hrs IST**

**Subject: (i) Heavy rainfall spell over Sub-Himalayan West Bengal-Sikkim, Northeast India and extreme south Peninsular during next 5 days and over Himachal Pradesh, Uttarakhand, East Uttar Pradesh & Bihar on 28th & 29th August, 2022.
(ii) Subdued rainfall activity over rest parts of northwest, central & East India during next 5 days.**

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex. I)

Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)

- The monsoon trough at mean sea level runs close to foothills of the Himalayas.
- A Cyclonic Circulation lies over East Uttar Pradesh and another over east Jharkhand in lower tropospheric levels.
- A north-south trough runs from East Vidarbha to South Coastal Andhra Pradesh in lower tropospheric levels.
- A trough runs from central parts of north Andaman Sea to south Tamil Nadu at 3.1 km above mean sea level.
- **Under the influence of the above systems:**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Nagaland, Manipur, Mizoram & Tripura on 28th & 29th August & 01st September and over Arunachal Pradesh and Assam & Meghalaya during next 5 days. **Isolated very heavy rainfall also likely over Arunachal Pradesh and Assam & Meghalaya on 28th, 31st August & 01st September, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over Bihar and East Uttar Pradesh on 28th & 29th; Jharkhand on 28th and over Sub-Himalayan West Bengal & Sikkim during next 5 days. **Isolated very heavy rainfall also likely over Bihar and East Uttar Pradesh on 28th and over Sub-Himalayan West Bengal & Sikkim during 30th August-01st September, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Himachal Pradesh and Uttarakhand on 28th & 29th August, 2022. **Isolated very heavy rainfall also likely over Uttarakhand on 28th August, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over North Interior Karnataka, Telangana and Rayalaseema during 28th-30th; Coastal Andhra Pradesh on 28th & 29th; South Interior Karnataka during 28th-31st and over Tamil Nadu, Kerala & Mahe and Coastal Karnataka during next 5 days. **Isolated very heavy rainfall also likely over Kerala & Mahe on 28th August, 2022.**

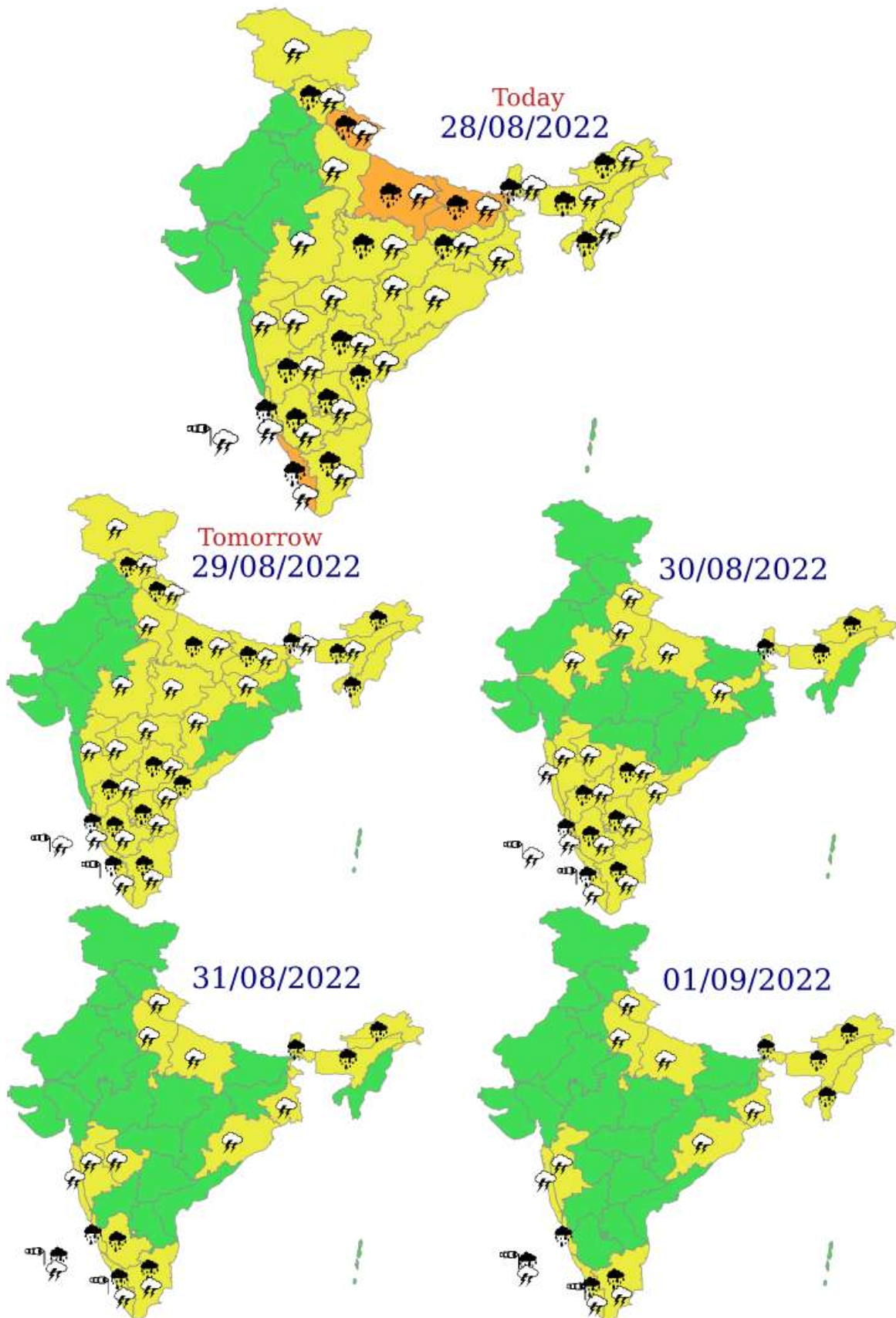
For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

Heavy to very heavy rainfall occurred at isolated places over Coastal Karnataka, East Madhya Pradesh, Telangana, Sub-Himalayan West Bengal & Sikkim, Rayalaseema and East Uttar Pradesh and **heavy rainfall** over Assam, Interior Karnataka, Kerala, Gangetic West Bengal, West Madhya Pradesh and Tamil Nadu.

Rainfall (in cm):

- ❖ **Coastal Karnataka:** Panambur Obsy (dist Dakshina Kannada) 17, Mangaluru (dist Dakshina Kannada) 11, Mulki (dist Dakshina Kannada) 10, Mangaluru Ap Obsy (dist Dakshina Kannada) 7;
- ❖ **East Madhya Pradesh:** Shahnagar (dist Panna) 16, Ramnagar (dist Satna) 8, Katni(mudwara) (dist Katni) 7;
- ❖ **Telangana:** Chinna Chinta Kunt (dist Mahabubnagar) 15, Waddepalli (dist Jogulamba Gadwal) 7;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Barobhisha: 15, Kumargram: 12, Buxaduar: 11, Nagrakata: 10, Murti: 10, Bagdogra:9, Bagrakote: 9, Cooch Behar: 9, Chepan: 8, Champasari: 8, Sevoke: 7, Yuksom (Arg): 7 Dentam: 7;
- ❖ **Rayalaseema:** Sambepalle (dist Ysr District) 13, Dharmavaram (dist Anantapuramu) 12, Pulivendla (dist Ysr District) 9, Tadimarri (dist Anantapuramu) 9, Chenne Kothapalle (dist Anantapuramu) 7, Hindupur (dist Anantapuramu) 7, Chinnamandem (dist Ysr District) 7, Lepakshi (dist Anantapuramu) 7, Obuladevaracheruvu (dist Anantapuramu) 7;
- ❖ **East Uttar Pradesh:** Deoria (Dist Deoria) 12, Bansgaon (Dist Gorakhpur) 9, Ghorawal (dist Sonbhadra) 9;
- ❖ **North Interior Karnataka:** Guttal (dist Haveri) 11, Ranebennur (hos) (dist Haveri) 9;
- ❖ **South Interior Karnataka:** Madhugiri (dist Tumakuru) 11, Kudathini (dist Ballari) 8, Midigeshi (dist Tumakuru) 8;
- ❖ **Kerala:** Ayyankunnu(Kannur dist.) 8, Kottayam, Kanjirappally (Kottayam district), Thodupuzha (Idukki district), Padannakkad(Kasaragode dist.), Urumi(Kozhikode dist.),Sengula Dam(Idukki dist.) & Hosdurg (Kasaragod district) 7 each;
- ❖ **Gangetic West Bengal:** Tantloi: 8;
- ❖ **Tamilnadu:** Denkanikottai (dist Krishnagiri) 8, Vepur (dist Cuddalore) 7,
- ❖ **West Madhya Pradesh:** Udaipura (dist Raisen) 7, Narsingarh (dist Rajgarh) 7,



IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Uttarakhand, East Uttar Pradesh, Bihar, Kerala on 28th; Arunachal Pradesh, Assam & Meghalaya on 28th, 31st August and 1st September; Sub-Himalayan West Bengal & Sikkim during 30th August-01st September, 2022.

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
- 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:** >204.4 mm.

Region wise classification of meteorological Sub-Divisions:

- 1) **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.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **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.)



Heavy Rain



Strong Winds

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Thunderstorm with Lightning