



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

**Press Release  
Date: 27<sup>th</sup> August, 2022  
Time of Issue: 1245 hrs IST**

**Subject: Heavy rainfall spell over Sub-Himalayan West Bengal-Sikkim, Northeast India and extreme south Peninsular during next 5 days and over Uttarakhand & Bihar during 27<sup>th</sup>-30<sup>th</sup> and Himachal Pradesh & East Uttar Pradesh on 28<sup>th</sup> & 29<sup>th</sup> August, 2022.**

**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 north-south trough runs from south Coastal Andhra Pradesh to Comorin Area across Tamilnadu in lower tropospheric levels.
- A trough runs from central parts of South Bay of Bengal to south coastal Tamilnadu 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 during 27<sup>th</sup>-29<sup>th</sup> and over Arunachal Pradesh and Assam & Meghalaya during next 5 days. **Isolated very heavy rainfall also likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 27<sup>th</sup> August, 2022.**
- Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over Bihar during 27<sup>th</sup>-29<sup>th</sup>; Jharkhand on 28<sup>th</sup>; southeast Uttar Pradesh on 28<sup>th</sup> & 29<sup>th</sup> and over Sub-Himalayan West Bengal & Sikkim during next 5 days. **Isolated very heavy rainfall also likely over Sub-Himalayan West Bengal & Sikkim on 27<sup>th</sup> and over Bihar on 27<sup>th</sup> & 28<sup>th</sup> August, 2022.**
- Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over North Interior Karnataka on 27<sup>th</sup>, 30<sup>th</sup> & 31<sup>st</sup>; Coastal Andhra Pradesh on 27<sup>th</sup> & 28<sup>th</sup>; Telangana during 27<sup>th</sup>-29<sup>th</sup>; Rayalaseema during 27<sup>th</sup>-30<sup>th</sup>; Coastal Karnataka on 30<sup>th</sup> & 31<sup>st</sup> and over Tamil Nadu, Kerala & Mahe and South Interior Karnataka during next 5 days.
- Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Himachal Pradesh on 28<sup>th</sup> & 29<sup>th</sup> and over Uttarakhand during 27<sup>th</sup>-29<sup>th</sup> August, 2022. **Isolated very heavy rainfall also likely over Uttarakhand on 28<sup>th</sup> & 29<sup>th</sup> August, 2022.**

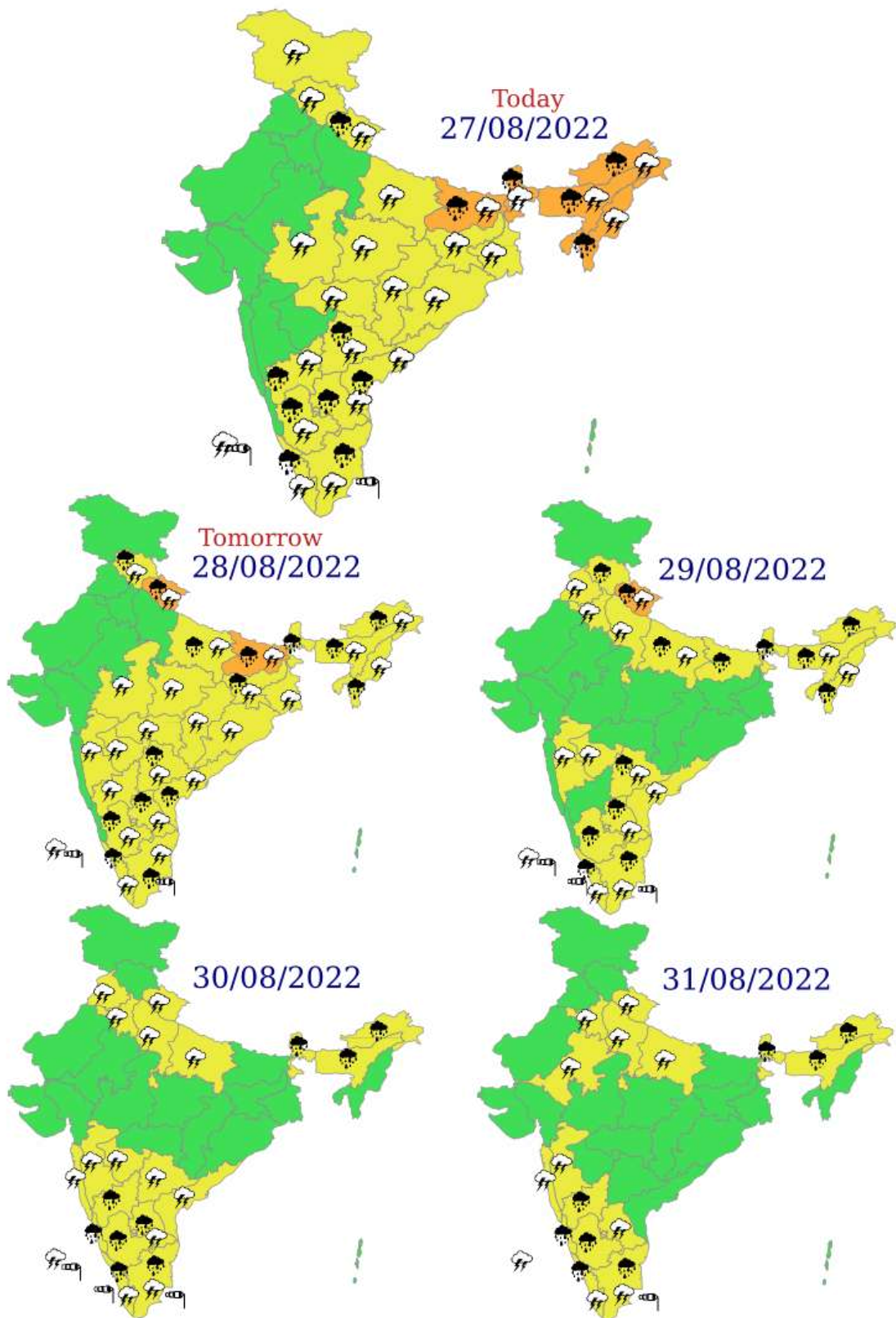
For more details kindly refer:

[https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

**Heavy to very heavy rainfall** occurred at isolated places over North Interior Karnataka, Manipur & Tripura and **heavy rainfall** over East Uttar Pradesh, Assam, South Interior Karnataka, Kerala, Coastal Andhra Pradesh and Rayalaseema.

**Rainfall (in cm):**

- ❖ **North Interior Karnataka:** Manvi (dist Raichur) 19, Deodurg (dist Raichur) 7;
- ❖ **Manipur & Tripura:** Dhalai-13, Imphal East-10;
- ❖ **Assam:** Cachar-11, Hailakandi-7;
- ❖ **Rayalaseema:** Kuppam (dist Chittoor) 11, Palasamudram (dist Chittoor) 8, Kanekal (dist Anantapuramu) 8, Rayadurg (dist Anantapuramu) 7;
- ❖ **East Uttar Pradesh:** Shrawasti: Bhinga-11;
- ❖ **South Interior Karnataka:** Maddur (dist Mandya) 10, Sira (dist Tumakuru) 9, Ramanagara (dist Ramanagara) 9, Kottur (dist Ballari) 7, Kolar Pwd (dist Kolar) 7, Srirangapatna (dist Mandya) 7, Bengaluru Hal Ap Obsy (dist Bengaluru Urban) 7;
- ❖ **Kerala:** Neryamangalam ARG (Ernakulam district) 10, Udumbanoor (Idukki dist) 7;
- ❖ **Coastal Andhra Pradesh:** Balajipeta (dist Vizianagaram) 8, Sullurpeta (dist Spsr Nellore) 7, Udayagiri (dist Spsr Nellore) 7.



## **IMPACT EXPECTED & ACTION SUGGESTED DUE TO-**

**Isolated very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 27<sup>th</sup>; Bihar on 27<sup>th</sup> & 28<sup>th</sup> and over Uttarakhand on 28<sup>th</sup> & 29<sup>th</sup> August, 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.

| <b>SPATIAL DISTRIBUTION</b> (% 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)               |



| <b>WARNING</b>         |  |
|------------------------|--|
| WARNING (TAKE ACTION)  |  |
| ALERT (BE PREPARED)    |  |
| WATCH (BE UPDATED)     |  |
| NO WARNING (NO ACTION) |  |

| <b>Probabilistic Forecast</b> |                               |
|-------------------------------|-------------------------------|
| Terms                         | Probability of Occurrence (%) |
| Unlikely                      | < 25                          |
| Likely                        | 25 - 50                       |
| Very Likely                   | 50 - 75                       |
| Most Likely                   | > 75                          |

