



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

**Press Release
Date: 31st August, 2022
Time of Issue: 1300 hrs IST**

**Subject: (i) Heavy spell of rainfall likely to continue over South Peninsular India, Sub-Himalayan West Bengal-Sikkim and Northeast India during next 5 days.
(ii) Subdued rainfall activity likely to continue over Northwest & Central 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 south Tamil Nadu & neighbourhood in lower tropospheric levels.
- A trough runs from the above cyclonic circulation over south Tamilnadu & neighbourhood to central Madhya Pradesh in lower tropospheric levels.
- **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, Arunachal Pradesh and Assam & Meghalaya during next 5 days. **Isolated very heavy rainfall also likely over Arunachal Pradesh and Assam & Meghalaya on 02nd & 03rd September, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over south Madhya Pradesh on 31st August & 01st September; Bihar during 31st August-02nd September and over Sub-Himalayan West Bengal & Sikkim during next 5 days. **Isolated very heavy rainfall also likely over Sub-Himalayan West Bengal & Sikkim during 31st August-03rd September, 2022.**
 - Isolated/scattered light/moderate rainfall over Western Himalayan Region during next 3 days and fairly widespread/widespread rainfall during subsequent 2 days with isolated **heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir, Himachal Pradesh & Uttarakhand on 04th September, 2022.
 - Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over North Interior Karnataka on 31st August & 01st September; Coastal Karnataka & Lakshadweep during 31st August-02nd September and over Tamil Nadu, Kerala & Mahe and South Interior Karnataka during next 5 days. **Isolated very heavy rainfall also likely over Tamil Nadu and Kerala & Mahe on 31st August & 01st September and over South Interior Karnataka on 01st September, 2022.**

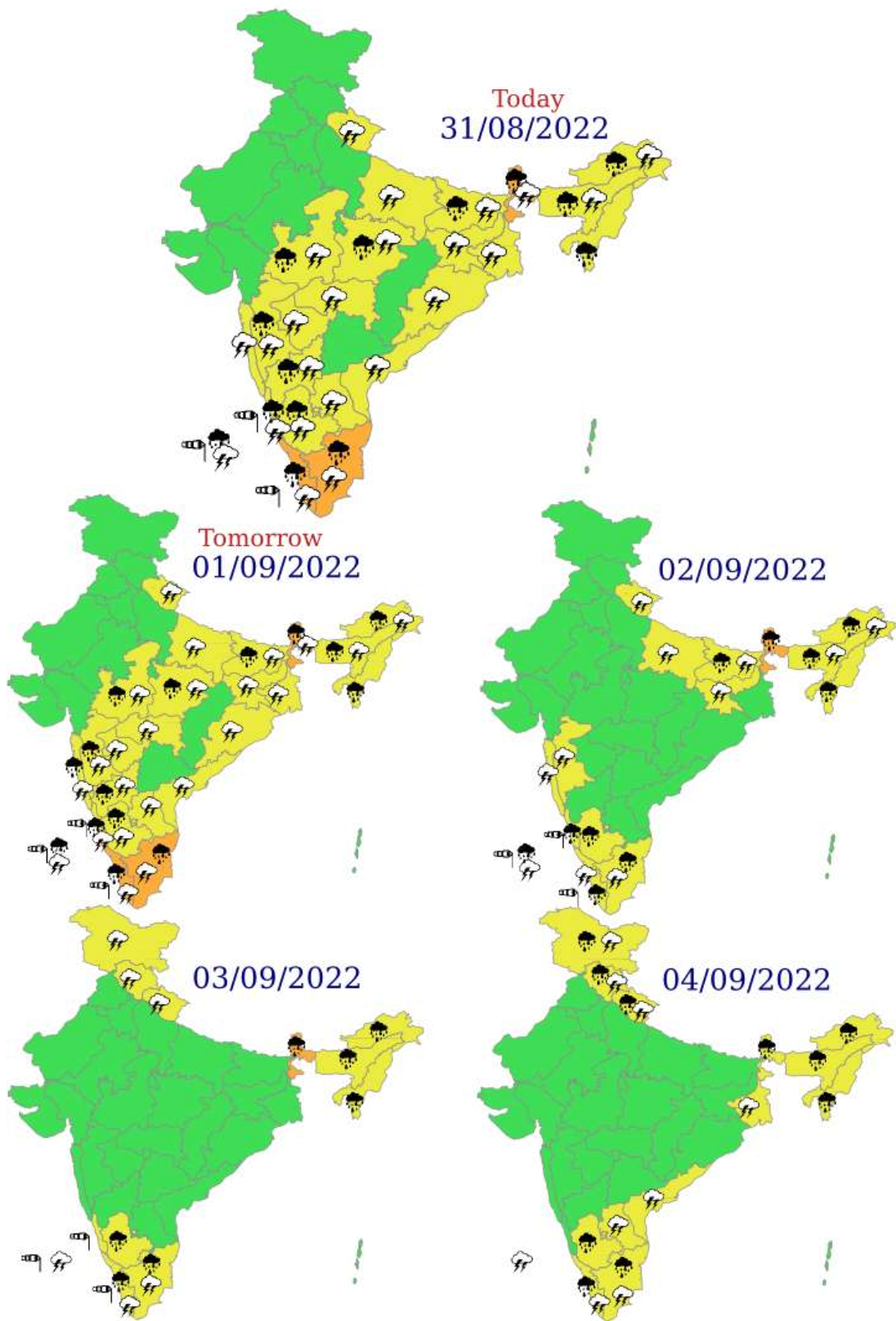
For more details kindly refer:

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

Extremely heavy rainfall occurred at isolated places over Tamil Nadu and **very heavy rainfall** over Sub-Himalayan West Bengal, and Kerala and **heavy rainfall** over Chhattisgarh, East Rajasthan, West Madhya Pradesh, Sikkim, Bihar, Telangana, Assam and Coastal Karnataka.

Rainfall (in cm):

- ❖ **Tamilnadu:** Kodaikanal DRMS (dist Dindigul) 23, Kodaikanal (dist Dindigul). Kodaikanal Boat Club (dist Dindigul) 17 each, Amaravathy Dam (dist Tiruppur), Andipatti (dist Madurai) 10 each, Vadipatti (dist Madurai), Srivilliputhur (dist Virudhunagar), Usilampatti (dist Madurai) 9 each, Andipatti (dist Theni), Bhavanisagar (dist Erode), Satankulam (dist Toothukudi) 8 each, Kodanad (dist Nilgiris), Geddai (dist Nilgiris), Thirunoorthy Dam (dist Tiruppur) 7 each;
- ❖ **Sub-Himalayan West Bengal:** Siliguri (P.T.O.)-17, Champasari-12, Kumargram-10, Gazoledoba & Alipurduar (P.T.O.)-9 each, Jhallong & Bagdogra-8 each, Bagrakote-7;
- ❖ **Kerala:** Ernakulam South 14, Chittur (Palakkad District) & Idamalayar Dam (Ernakulam District) 9, Neryamangalam ARG (Ernakulam District) 8, Kannur, Aralam & Kannur-ICAR(In Kannur Dist) & Kudulu & Kudlu_AFMU (Both In Kasaragod District), Kalamassery(Ernakulam Dist), Udumbannoor (Idukki Dist),& Athirappilly (Thrissur District) 7 each;
- ❖ **Assam:** Barpeta: Beki-Mathanguri-11, Beki Rd. Bridge & Manas N H Xing -10 each, Kokrajhar: Kokrajhar-10 Chirang: Panbari-10, Karimganj-7;
- ❖ **Sikkim:** Damthang-10;
- ❖ **Chhattisgarh:** Lohandiguda (dist Bastar) 9;
- ❖ **East Rajasthan:** Dausa- Sikrai-9;
- ❖ **Coastal Karnataka:** Dharmasthala (dist Dakshina Kannada) 7;
- ❖ **Telangana:** Jurala Proj. (dist Jogulamba Gadwal) 7;
- ❖ **West Madhya Pradesh:** Sendhwa(med) (dist Barwani) 8.



IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Tamil Nadu and Kerala & Mahe on 31st August & 01st September; South Interior Karnataka on 01st September; Sub-Himalayan West Bengal & Sikkim during 31st August-03rd September and over Arunachal Pradesh and Assam & Meghalaya on 02nd & 03rd 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)



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

