



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 31st July, 2022

Time of Issue: 1300 hrs IST

Subject: (i) Enhanced rainfall activity over South Peninsular India during next 5 days
(ii) Decrease in rainfall activity over Northwest India from tomorrow, the 01st August, 2022

Weather observed during past 24 hours ending at 0830 hrs IST of today:

- **Heavy to very heavy rainfall** occurred at isolated places over Himachal Pradesh, Arunachal Pradesh and Sub-Himalayan West Bengal & Sikkim and **heavy rainfall** at isolated places over Jammu & Kashmir, Uttarakhand, Haryana, West Rajasthan, Bihar, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka and Tamil Nadu. (**Annexure I**).

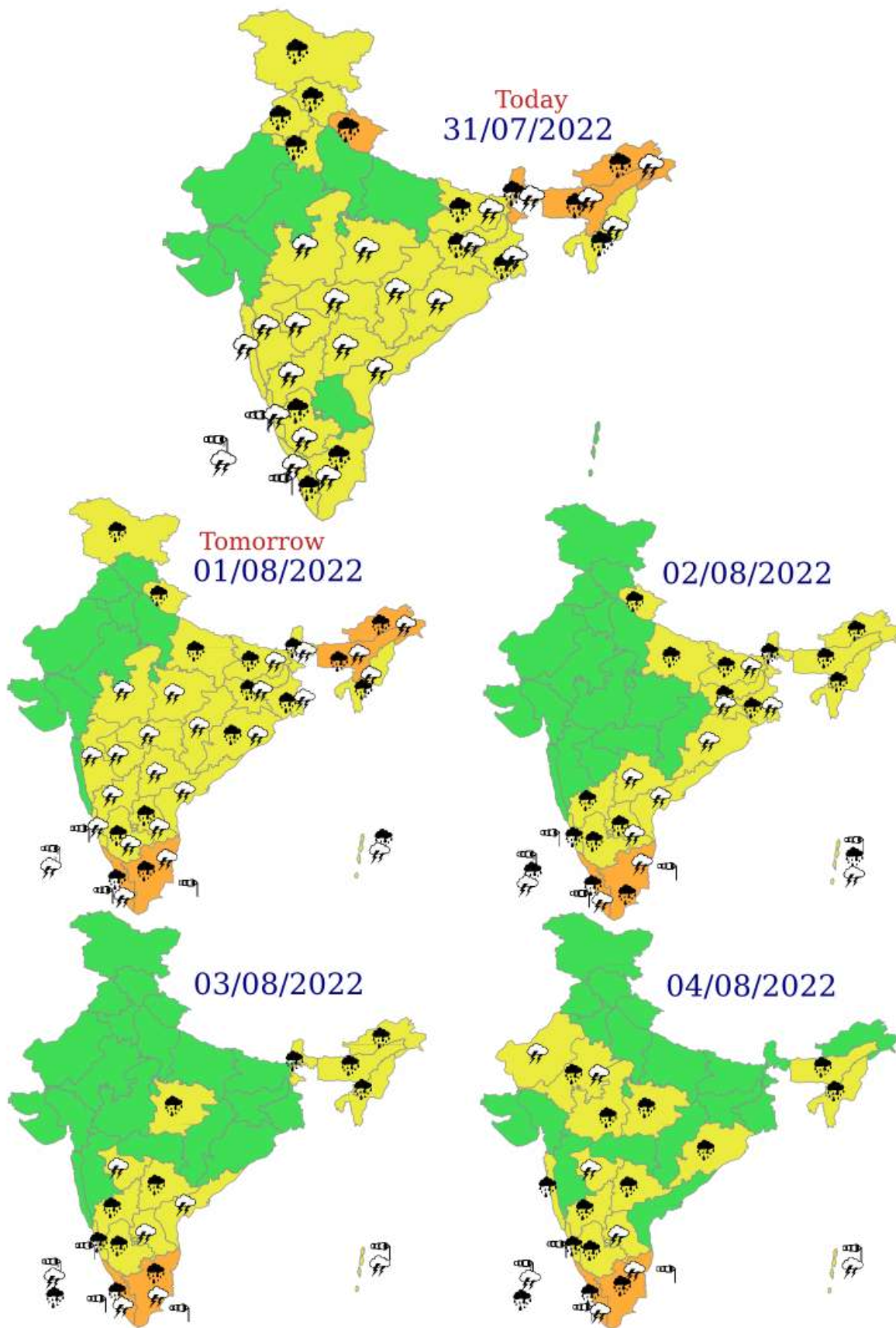
Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)

- The western end of monsoon trough at mean sea level lies north of its normal position and eastern end runs close to foothills of the Himalayas. The monsoon trough is very likely to be north of its normal position or along the foothills of Himalayas during next 3 days. The eastern end is likely to shift southwards thereafter.
- A Western Disturbance lies over central parts of Afghanistan in middle tropospheric levels.
- A North-south trough runs from south Chhattisgarh to Comorin area across Telangana, Rayalaseema and Tamilnadu at lower tropospheric levels.
- A shear zone in middle tropospheric levels likely to develop across extreme south Peninsular India from 2nd August, 2022.
- **Under the influence of above system;**
 - Fairly widespread/widespread rainfall activity with **isolated heavy falls** and **thunderstorm/lightning** very likely over Uttarakhand during 31st July- 02nd August; Jammu & Kashmir on 31st July & 01st August; Punjab and Haryana, Chandigarh & Delhi and Himachal Pradesh on 31st July and East Uttar Pradesh on 01st & 02nd August, 2022.
 - ✓ **Isolated very heavy rainfall also very likely over Uttarakhand on 31st July, 2022.**
 - Fairly widespread/widespread rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Bihar, Jharkhand and Gangetic West Bengal during 31st July- 02nd August; Odisha on 01st & 04th August; Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh during 31st July-03rd August; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 31st July-04th August, 2022.
 - ✓ **Isolated very heavy rainfall also very likely over Sub-Himalayan West Bengal & Sikkim on 31st July and Arunachal Pradesh and Assam & Meghalaya on 31st July & 01st August, 2022.**
 - Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Telangana on 03rd & 04th August; Coastal & North Interior Karnataka and Lakshadweep during 02nd-04th August; South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 31st July – 04th August; Rayalaseema on 01st & 02nd August, 2022.
 - ✓ **Isolated very heavy rainfall likely over Coastal Karnataka on 03rd & 04th August; North Interior Karnataka during 02nd-04th August; Kerala & Mahe during 01st-04th August; South Interior Karnataka on 04th August and Tamil Nadu, Puducherry & Karaikal during 31st July-04th August, 2022.**
 - ✓ **Isolated extremely heavy rainfall also likely over Kerala & Mahe during 02nd-04th August, 2022.**

For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

Rainfall (in cm):

- ❖ **Himachal Pradesh:** Dharmsala (Dist Kangra) 14, Bharari (Dist Hamirpur) 8, Baijnath (Dist Kangra) 7,
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Barobisha (Dist Alipurduar) 14, Chepan & Kumargram (Dist Alipurduar) 11, Hasimara (Dist Alipurduar) 10, Gajoldoba (Dist Jalpaiguri) 10, Yuksom (Dist West Sikkim) 10, Murti & Nagrakata (Dist Jalpaiguri) 8, Mangan (North Sikkim) 8, Sankalan (North Sikkim) 7, Diana (Dist Jalpaiguri) 7, Bagdogra (Dist Darjeeling) 7,
- ❖ **Arunachal Pradesh:** Itanagar (Dist Papumpare) 12, Karsingsa (Dist Papumpare) 10,
- ❖ **Assam & Meghalaya:** Williamnagar (Dist East Garo Hills) 11, Silapathar (Dist Dhemaji) 10, Gossaigaon (Dist Kokrajhar) 9, Shella (Dist East Khasi Hills) 9, Beki-Mathanguri (Dist Barpeta) 9, Mawsynram (Dist East Khasi Hills) 9, Shora (Dist East Khasi Hills) 8, Kokrajhar (Dist Kokrajhar) 8, Mawkyrwat (Dist South West Khasi Hills) 8,
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Usilampatti (dist Madurai) 11, Tirupuvanam (dist Sivaganga) 10, Kuppanampatti (dist Madurai), Vilathikulam (dist Toothukudi), Periyakulam (dist Theni) 8 each, Odanchatram (dist Dindigul), Naduvattam (dist Nilgiris), Tallakulam (dist Madurai), Cincona (dist Coimbatore) Madurai South (dist Madurai) 7 each,
- ❖ **Bihar:** Ghosi (dist Jehanabad) 10, Bhimnagar (dist Supaul) 9, Tribeniganj (dist Supaul) 8, Bahadurganj (dist Kishanganj) 8, Forbesganj (dist Araria) 8,
- ❖ **East Uttar Pradesh:** Kunda (Dist Pratapgarh) 10,
- ❖ **Jammu & Kashmir:** Samba (dist Samba) 9, Katra (dist Reasi) 9,
- ❖ **Uttarakhand:** Mussoorie (Dist Dehradun) 9, Dehradun (Dist Dehradun) 7, Kashipur (Dist Udham Singh Nagar) 7,
- ❖ **North Interior Karnataka:** Khajuri (dist Kalaburgi) 9,
- ❖ **West Rajasthan:** Sangaria (Dist Hanumangarh) 8,
- ❖ **Rayalaseema:** Hindupur (dist Anantapuramu) 8, Allagadda (dist Kurnool) 7, Nandyal (dist Kurnool) 7,
- ❖ **Madhya Maharashtra:** Dhadgaon/akrani- Hydro (dist Nandurbar) 8,
- ❖ **Marathwada:** Renapur (dist Latur) 7,
- ❖ **Coastal Andhra Pradesh:** Bheemavaram (dist West Godavari) 7, Palakoderu (dist West Godavari) 7,



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Uttarakhand and Sub-Himalayan West Bengal & Sikkim on 31st July; Assam & Meghalaya and Arunachal Pradesh on 31st July & 01st August; Coastal Karnataka on 03rd & 04th August; South Interior Karnataka on 04th August; North Interior Karnataka during 02nd-04th August and Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal during 01st-04th 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.

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



Heat Wave