



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

**Press Release
Date: 26th July, 2022
Time of Issue: 1225 hrs IST**

Subject: Increase in rainfall activity over North India from 27th July onwards due to northward shift of Monsoon Trough.

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

- **Extremely heavy rainfall** occurred at isolated places over East Rajasthan; **heavy to very heavy rainfall** occurred at isolated places over West Rajasthan, Telangana, Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Chhattisgarh, Madhya Pradesh, Odisha, Gujarat Region, Marathwada, Jammu & Kashmir, Sub-Himalayan West Bengal & Sikkim, North Interior Karnataka and Nagaland, Manipur, Mizoram & Tripura. (**Annexure I**).

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

- The Low Pressure Area lies over Northwest & adjoining Northeast Arabian Sea and the associated cyclonic circulation extends upto mid-tropospheric levels.
- The **monsoon trough** at mean sea level runs south of its normal position. It is very likely to continue to shift gradually northwards during next 3 days leading to **increase in rainfall activity over North India from 27th July onwards**.
- A **fresh Western Disturbance** is likely to affect Western Himalayan Region from 28th July, 2022.
- A cyclonic circulation lies over East Rajasthan & neighbourhood extending upto lower tropospheric levels.
- A trough runs from the above cyclonic circulation to Westcentral Bay of Bengal off Andhra Pradesh coast in lower tropospheric levels.
- **Under the influence of above systems;**
 - Widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir 27th-30th; Himachal Pradesh & Uttarakhand during 26th-30th; Rajasthan on 26th & 27th; Uttar Pradesh & Bihar during 28th-30th; north Punjab & north Haryana-Chandigarh during 27th-30th July, 2022.
 - ✓ **Isolated heavy to very heavy rainfall very likely over Himachal Pradesh & Uttarakhand on 28th & 29th July, 2022.**
 - ✓ **Isolated heavy to very heavy rainfall very likely over south Rajasthan on 26th July, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with thunderstorm & lightning very likely over Central, West and South India during next 3-4 days.
 - ✓ **Isolated heavy falls** very likely over Gujarat Region, Marathwada, North Interior Karnataka, Chhattisgarh, Vidarbha & Madhya Pradesh on 26th; Jharkhand on 28th;

Rayalaseema on 26th & 30th; Coastal Andhra Pradesh on 26th, 29th & 30th; South Interior Karnataka during 27th-29th, Kerala & Mahe on 29th & 30th; Tamil Nadu, Puducherry & Karaikal and Telangana during 26th-30th July, 2022.

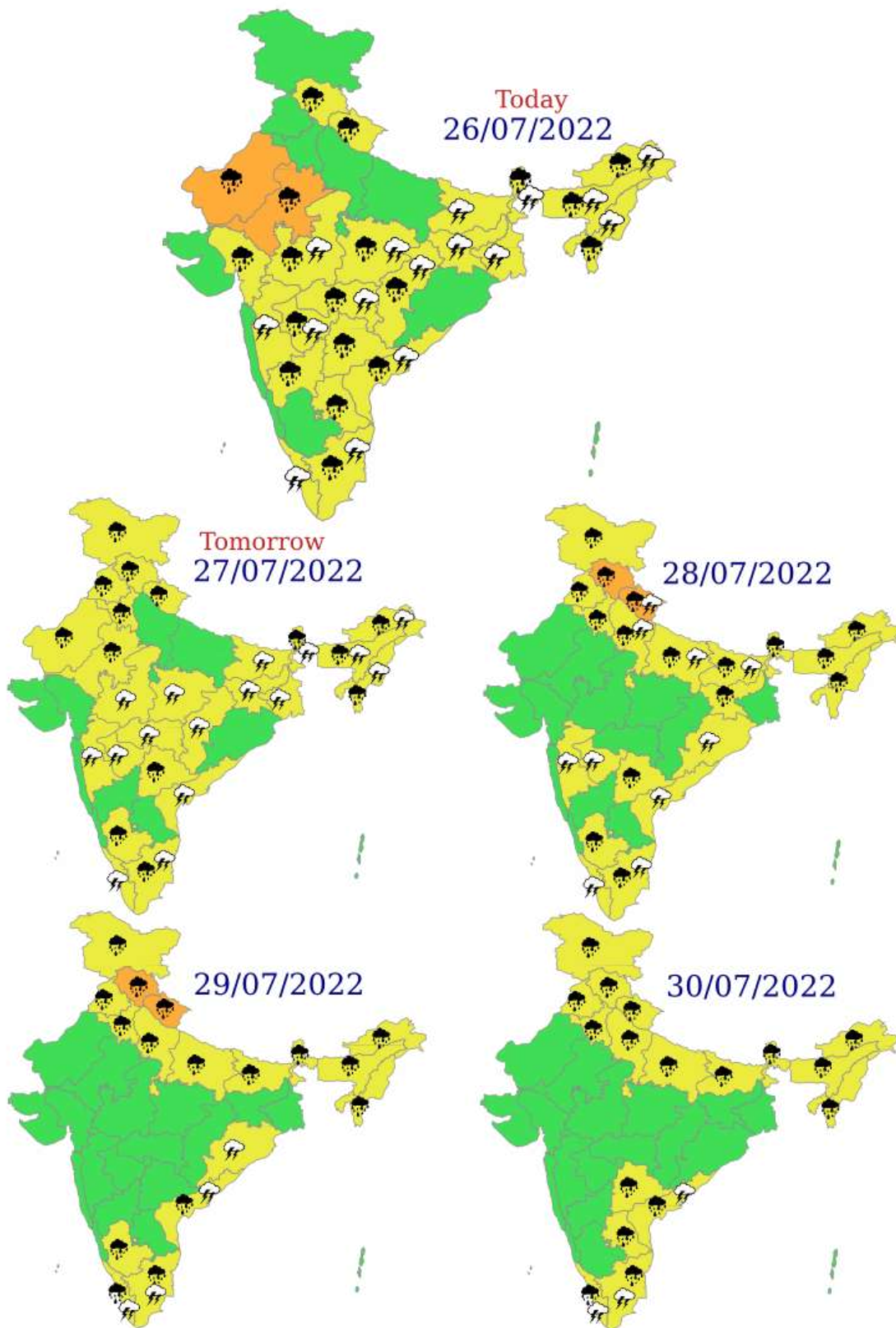
- ✓ **Isolated heavy to very heavy rainfall also likely over Telangana on 26th July, 2022.**
- Widespread light/moderate rainfall with isolated **heavy falls** and **thunderstorm/lightning** very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 26th-30th July, 2022.
 - ✓ **Isolated heavy to very heavy rainfall** very likely over Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura on 29th & 30th July, 2022.

For more details kindly refer:

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

Rainfall (in cm):

- ❖ **East Rajasthan:** Bhilwara: Bhilwara-21, Kotri-12, Chittorgarh: Chittorgarh-18, Gangrar-13, Jaipur: Mozamabad Sr-10, Ajmer: Sarwar-10, Sawai Madhopur: Khandar SR-9, Rajsamand: Rajsamand-9, Ajmer-9, Tonk: Nagarfort SR-7;
- ❖ **West Rajasthan:** Jodhpur: Jodhpur Tehsil-18, Pali: Sojat-11, Nagaur: Merta City-9, Jalore: Sanchole-8;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Sonamura-16, Gomati-8;
- ❖ **Tamil Nadu:** Tirupuvanam (dist Sivaganga) 14, Lower Anaicut (dist Thanjavur) 13, Kattumannarkoil (dist Cuddalore) 12, Sholingur (dist Ranipet) 11, Kelacheruvai (dist Cuddalore), Kollidam (dist Mayiladuthurai), Pelandurai (dist Cuddalore), Manalmedu (dist Mayiladuthurai), R.k.pet (dist Tiruvallur) 10 each, Me. Mathur (dist Cuddalore), Jayamkondam (dist Ariyalur) 8 each, Valathy (dist Villupuram), Chidambaram (dist Cuddalore), Tiruttani (dist Tiruvallur), Kadavanager (dist Kallakurichi), Uthangarai (dist Krishnagiri), Perambalur (dist Perambalur) 7 each;
- ❖ **Telangana:** Vicarabad (dist Vikarabad) 13, Hayathnagar (dist Rangareddy) 12, Damaragidda (dist Narayanpet) 11, Nandipet (dist Nizamabad) 10, Navipet (dist Nizamabad) 8, Parvathagiri (dist Warangal_rural) 8, Narayanpet (dist Narayanpet) 8, Mudhole (dist Nirmal) 8, Hyathnagar(arg) (dist Rangareddy) 7;
- ❖ **Chhattisgarh:** Pali (dist Korba) 11, Kota (dist Bilaspur) 8, Surajpur (dist Surajpur) 5,
- ❖ **West Madhya Pradesh:** Mungaoli (dist Ashoknagar) 10, Raisen-aws (dist Raisen) 8, Sabalgarh (dist Morena) 8, Karhal (dist Sheopur) 7;
- ❖ **Gujarat Region:** Becharaji (dist Mehsana) 9, Dhansura (dist Aravalli) 9, Bayad (dist Aravalli) 8, Dahegam (dist Gandhinagar) 8, Bhiloda (dist Aravalli) 8, Petlad (dist Anand) 8, Danta (dist Banaskantha) 7, Mansa (dist Gandhinagar) 7;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Darjeeling-9, Coochbehar-9, Gangtok & Tadong-7 each;
- ❖ **East Madhya Pradesh:** Chhapara (dist Seoni) 8, Pali (dist Umaria) 8, Buxwaha (dist Chhatarpur) 6;
- ❖ **Jammu & Kashmir:** Udampur: Udampur IAF-8;
- ❖ **Marathwada:** Dharmabad (dist Nanded) 8, Udgir - Imd Parttime (dist Latur) 5;
- ❖ **North Interior Karnataka:** Kembhavi (dist Yadgir) 7, Sedam (dist Kalaburgi) 5;
- ❖ **Odisha:** Bargarh-7;



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Rajasthan on 26th; Himachal Pradesh & Uttarakhand on 28th & 29th and over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya on 29th & 30th July, 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