



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

**Press Release
Date: 25th 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:

- **Heavy to very heavy rainfall** occurred at isolated places over East Madhya Pradesh, Gujarat Region and **heavy rainfall** at isolated places over West Madhya Pradesh, East Rajasthan, Odisha, Konkan, Madhya Maharashtra, West Bengal & Sikkim and Assam & Meghalaya. (**Annexure I**).

Rainfall/thunderstorm Forecast & Warnings: (Multi-hazard warning is given in Annexure II)

- The Low Pressure Area lies over south Pakistan & adjoining Kutch and the associated cyclonic circulation extends upto mid-tropospheric levels tilting southwards with height. It is likely to become less marked during next 24 hours.
- The monsoon trough at mean sea level runs south of its normal position. It is very likely to shift gradually northward from tomorrow, the 26th July, 2022 onwards.
- **Under the influence of above systems;**
 - Fairly widespread/ widespread light to moderate rainfall with thunderstorm & lightning very likely over Gujarat State, Konkan, Vidarbha, East Madhya Pradesh, Chhattisgarh, Coastal Karnataka & Telangana and scattered to fairly widespread rainfall activity over Odisha, Jharkhand, West Madhya Pradesh, ghat areas of Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Interior Karnataka and Tamilnadu, Puducherry & Karaikal during 25th-28th July, 2022.
 - ✓ **Isolated heavy falls** very likely over Saurashtra-Kutch, Chhattisgarh & East Madhya Pradesh on 25th; Odisha & Gujarat Region on 25th & 26th; Jharkhand on 28th & 29th; Telangana during 25th-27th; South Interior Karnataka during 27th-29th and over Tamilnadu, Puducherry & Karaikal during 25th-29th July, 2022.
 - ✓ **Isolated heavy to very heavy rainfall also likely over West Madhya Pradesh on 25th July, 2022.**
 - Fairly widespread to widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir on 25th, 28th & 29th; Himachal Pradesh during 25th-27th & over Uttarakhand on 26th & 27th July, 2022.
 - ✓ **Isolated heavy to very heavy rainfall very likely over Himachal Pradesh & Uttarakhand on 28th & 29th July, 2022.**

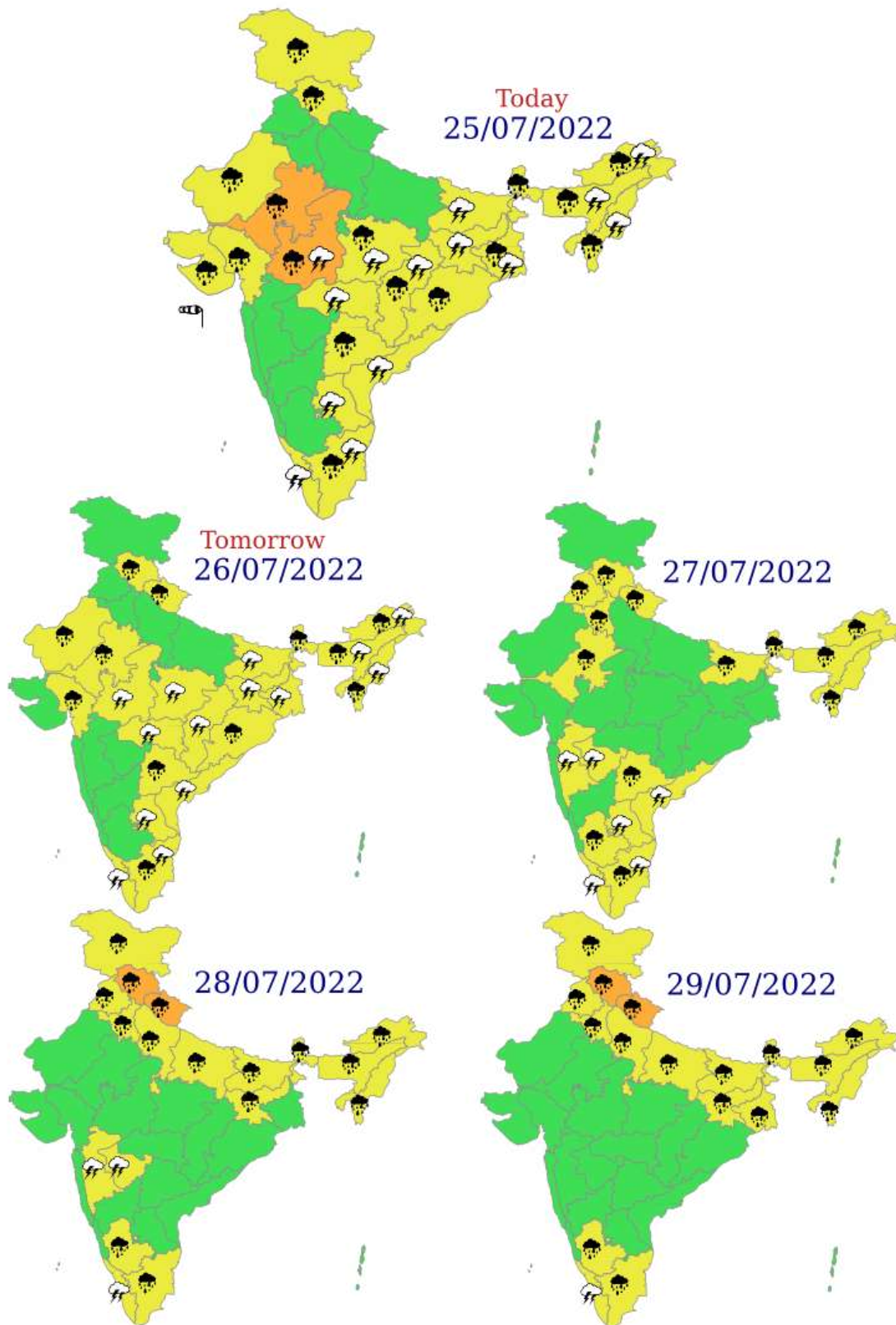
- Scattered to fairly widespread light to moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** over West Rajasthan on 25th & 26th; East Rajasthan during 25th-27th & Bihar during 27th-29th and over Punjab & Haryana during 27th-29th & over Uttar Pradesh on 28th & 29th and increase thereafter with widespread rainfall activity.
 - ✓ **Isolated heavy to very heavy rainfall very likely over East Rajasthan on 25th July, 2022.**
- Fairly widespread light/moderate rainfall with isolated **heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 25th-29th July, 2022.
 - ✓ **Isolated heavy to very heavy rainfall** very likely over Assam & Meghalaya on 25th, 28th & 29th and over Arunachal Pradesh on 28th & 29th July, 2022.

For more details kindly refer:

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

Rainfall (in cm):

- ❖ **East Madhya Pradesh:** Mohkheda (dist Chindwara) 19, Bijadandi (dist Mandla) 18, Baldevgarh (dist Tikamgarh) 9, Kesli (dist Sagar) 8, Jaisinagar (dist Sagar) 7, Churhat (dist Sidhi) 7, Malthone (dist Sagar) 7, Kumdam (dist Jabalpur) 7, Panna-aws (dist Panna) 7;
- ❖ **Gujarat Region:** Tharad (dist Banaskantha) 15, Lakhani (dist Banaskantha) 10, Kathalal (dist Kheda) 9, Suigam (dist Banaskantha) 8, Vadgam (dist Banaskantha) 8, Palanpur (dist Banaskantha) 7, Mahemdavad (dist Kheda) 7;
- ❖ **Assam & Meghalaya:** East Khasi Hills: Sohra-12, West Jaintia hills: KHLIEHRIAT-9, Jowai-7, Dibrugarh: KHOWANG-10;
- ❖ **Odisha:** Deogarh: Barkote-10, Balasore: Jaleswar & Rajghat -9 each, Kendrapada-9;
- ❖ **East Rajasthan:** Ajmer: Ajmer-9, Tonk: Aligarh-8;
- ❖ **Konkan & Goa:** Matheran (dist Raigad) 9, Jawhar (dist Palghar) 8, Chiplun (dist Ratnagiri) 7, Vikramgad (dist Palghar) 7;
- ❖ **Madhya Maharashtra:** Igatpuri (dist Nashik) 9, Surgana (dist Nashik) 6;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Alipurduar: Buxaduar-9: Darjeeling-9, Jalpaiguri: Nagarkata-9, Kalimpong: Kalimpong-9;
- ❖ **West Madhya Pradesh:** Bhopal Arera Hills (dist Bhopal) 9, Moman Badodiya (dist Shajapur) 9, Aron (dist Guna) 8, Navibagh Aet (dist Bhopal) 8, Vijaypur (adp) (dist Sheopur) 8, Bairagarh Airport (dist Bhopal) 7;
- ❖ **Gangetic West Bengal:** West Midnapore-7;



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over West Madhya Pradesh & East Rajasthan on 25th and over Himachal Pradesh, Uttarakhand, Arunachal Pradesh and Assam & Meghalaya on 28th & 29th 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