



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

**Press Release
Date: 24th July, 2022
Time of Issue: 1315 hrs IST**

Subject: (i) Intense rainfall activity likely to continue over Gujarat State, Rajasthan and adjoining Madhya Pradesh during next 2 days and gradual decrease thereafter.

(ii) Increase in rainfall activity over northern parts of India from 27th July onwards due to northward shifting of Monsoon trough.

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

- **Heavy to very heavy rainfall with extremely heavy falls** occurred at isolated places over West Madhya Pradesh; **heavy to very heavy rainfall** occurred at isolated places over Chhattisgarh, Gujarat Region, Madhya Maharashtra, Bihar, Konkan and Himachal Pradesh and **heavy rainfall** at isolated places over West Rajasthan, Odisha, Tamil Nadu, East Madhya Pradesh, Saurashtra & Kutch, Vidarbha, West Bengal & Sikkim, South Interior Karnataka, Arunachal Pradesh, Assam & Meghalaya and Punjab (**Annexure I**).

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

- A Low Pressure Area lies over southwest Rajasthan & neighbourhood 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 likely to persist in the same location during next 2-3 days and very likely to shift northwards towards its normal position from 27th July for subsequent 3-4 days.
- A cyclonic circulation lies over southeast Madhya Pradesh & neighbourhood in lower & middle tropospheric levels tilting southwards with height.
- **Under the influence of above systems;**
 - Fairly widespread/ widespread light to moderate rainfall with **isolated heavy falls**, thunderstorm & lightning very likely over Gujarat State, Rajasthan and West Madhya Pradesh during 24th - 26th; over north Konkan & adjoining ghat areas of Madhya Maharashtra, East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Coastal Andhra Pradesh and Telangana during 24th - 25th July, 2022.
 - ✓ **Isolated extremely heavy falls** also likely over Gujarat State and southeast Madhya Pradesh on 24th July, 2022.
 - ✓ **Isolated very heavy falls** very likely over Gujarat state & West Madhya Pradesh on 25th; East Rajasthan on 24th & 25th; West Rajasthan on 24th, over Vidarbha, north Konkan & adjoining ghat areas of Madhya Maharashtra on 24th July, 2022.

- Fairly widespread to widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Jammu & Kashmir on 28th; Himachal Pradesh & Uttarakhand during 24th-28th July, 2022.
 - ✓ **Isolated very heavy rainfall** very likely over Himachal Pradesh & Uttarakhand on 28th July, 2022.

- Scattered to fairly widespread light to moderate rainfall over Punjab, Haryana-Chandigarh, Uttar Pradesh, Bihar and Sub-Himalayan West Bengal & Sikkim during 24th-26th and fairly widespread to widespread light to moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over the region during 27th-28th July, 2022.
 - ✓ **Isolated very heavy rainfall** very likely over Punjab on 28th July, 2022.

- Fairly widespread light/moderate rainfall with isolated **heavy falls** very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 24th-28th July, 2022.

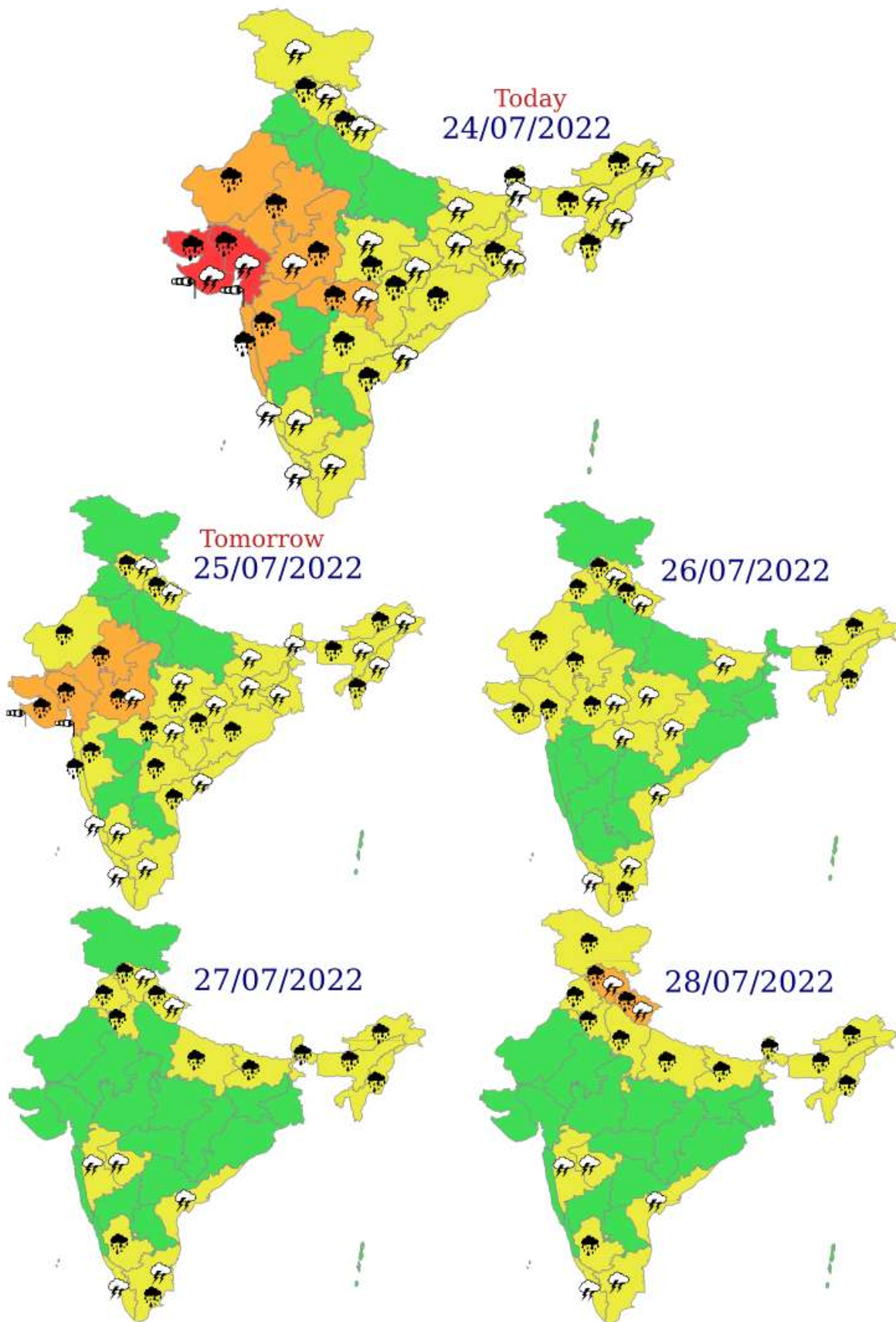
For more details kindly refer:

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

Rainfall (in cm):

- ❖ **Chhattisgarh:** Bijapur (dist Bijapur) 14, Durg (dist Durg) 13, Bhairamgarh (dist Bijapur) 12, Raipur(dist Raipur) 9, Bhopalpatnam (dist Bijapur) 8, Kartala (dist Korba) 8, Pakhanjur (dist Kanker) 8, Darbha (dist Bastar) 7,
- ❖ **East Rajasthan:** Ajmer: Srinagar-8, Banswara: Bhungra-7, Bundi: Hindoli-8, Jhalawar: Jhalarapatan and Jhalawar-7, Pratapgarh: Dhariabad and Pipalkhant-7, Rajsamand: Bhim-8,
- ❖ **West Rajasthan:** Pali: Jaitran-11, Barmer: Chotan, Sedwa, Sinderi-7,
- ❖ **South Interior Karnataka:** Sringeri Hms (dist Chikkamagaluru) 7,
- ❖ **Tamil Nadu:** Chengalpattu: Cheyyur ARG-7, Sivagangai: Devakottai-7,
- ❖ **East Madhya Pradesh:** Bichhua (dist Chindwara) 8,
- ❖ **West Madhya Pradesh:** Rehti (dist Sehore) 27, Bhimpur (dist Betul) 19, Harda (dist Harda) 15, Chicholi (dist Betul) 14, Seoni Malwa (dist Narmadapuram) 14, Khategaon (dist Dewas) 14, Dolariya (dist Narmadapuram) 14, Satwas (dist Dewas) 13, Khirkiya-arg (dist Harda) 13, Shyampur (dist Sehore) 11, Kannod (dist Dewas) 11, Budhni (dist Sehore) 11, Nasrullahganj (dist Sehore) 10, Itarsi (dist Narmadapuram) 9, Shahpur (dist Betul) 8, Bhainsdehi (dist Betul) 8, Shamgarh (dist Mandsaur) 7, Shajapur (dist Shajapur) 7, Betul (dist Betul) 7, Narmadapuram (dist Narmadapuram) 7, Prabhat Pattan (dist Betul) 7, Kalapipal (dist Shajapur) 7,
- ❖ **Gujarat Region:** Valsad_ Kvk Aws (dist Valsad) 17, Kaprada (dist Valsad) 16, Radhanpur (dist Patan) 16, Vapi (dist Valsad) 15, Khanvel (dist Dadara & Nagar Haveli) 15, Madhbun (dist Dadara & Nagar Haveli) 15, Daman Fmo (dist Daman) 15, Valsad (dist Valsad) 15, Daman (dist Daman) 13, Silvassa (dist Dadara & Nagar Haveli) 13, Dharampur (dist Valsad) 13, Daman_arg (dist Daman) 13, Bhabhar (dist Banaskantha) 11, Kadi (dist Mehsana) 11, Suigam (dist Banaskantha) 10, Kapadvanj (dist Kheda) 9, Khergam (dist Navsari) 9, Pardi (dist Valsad) 9, Saraswati (dist Patan) 9, Siddhpur (dist Patan) 8, Dahegam (dist Gandhinagar) 8, Mahesana(dist Mehsana) 8, Abad City (dist Ahmedabad) 8, Ahmedabad_aws (dist Ahmedabad) 8, Kalol_arg (dist Gandhinagar) 8, Mc Ahmedabad_arg (dist Ahmedabad) 8, Patan (dist Patan) 8, Vaso (dist Kheda) 7, Harij (dist Patan) 7, Kalol(g) (dist Gandhinagar) 7, Kathalal (dist Kheda) 7, Jotana (dist Mehsana) 7, Umergam (dist Valsad) 7, Idar (dist Sabarkantha) 7, Deodar (dist Banaskantha) 7, Dang_kvks Aws (dist Dangs) 7, Waghai (dist Dangs) 7,
- ❖ **Saurashtra & Kutch:** Rapar (dist Kutch) 11, Bhachau (dist Kutch) 9, Bachau_aws (dist Kutch) 9, Lakhtar (dist Surendranagar) 8,
- ❖ **Konkan & Goa:** Talasari (dist Palghar) 14, Jawhar (dist Palghar) 11, Matheran (dist Raigad) 10, Mokheda - Fmo (dist Palghar) 9, Vikramgad (dist Palghar) 8, Sudhagad Pali (dist Raigad) 7, Roha (dist Raigad) 7, Wada (dist Palghar) 7,
- ❖ **Madhya Maharashtra:** Lonavala_agri (dist Pune) 12, Peth (dist Nashik) 10, Harsul - Fmo (dist Nashik) 9, Surgana (dist Nashik) 8, Ozarkheda - Fmo (dist Nashik) 7,
- ❖ **Vidarbha:** Ashti (dist Wardha) 11, Saoli (dist Chandrapur) 9, Kharangha (dist Wardha) 7, Warud (dist Amraoti) 7, Mohadi (dist Bhandara) 7,
- ❖ **Odisha:** Khurda: Tangi-11, Sanbalpur: Jujumura-11, Jamankira-10, Bargarh: Sohela-10, Bargarh-7, Balsur: Rajghat-8,
- ❖ **Himachal Pradesh:** Mandi: Gohar-12, Bijahi-7, Kangra: Dharmsala-7,
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Alipurduar: Chepan-7,
- ❖ **Gangetic West Bengal:** South 24 Parganas: Sagar Islands-11, Diamond Harbour-7,
- ❖ **Punjab:** Kapurthala-7.
- ❖ **Arunachal Pradesh:** Papumpara: Itanagar-7,
- ❖ **Assam & Meghalaya:** Barpeta: Beki Mathungari-7, East Khasi Hills: Cherrapunji and Mawsynram-9, Golghat: Numaligarh-8,
- ❖ **Bihar:** Purnea: Dhengraghat -13, Amaur-7, Araria: Forbasganj-11, Supaul: Bhimnagar-7

Annexure II



EXPECTED IMPACT & ACTION SUGGESTED DUE TO-

i) Isolated extremely heavy rainfall over Gujarat State and southwest Madhya Pradesh on 24th July, 2022.

ii) Isolated very heavy rainfall over West Rajasthan, north Konkan, northern parts of ghat areas of Madhya Maharashtra & Vidarbha on 24th; over East Rajasthan on 24th & 25th and over West Madhya Pradesh and Gujarat State on 25th 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 kutchha 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)



Thunderstorm with Lightning

Heat Wave

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