



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 19th September, 2021

Time of Issue: 1215 hrs IST

Subject: (i) Isolated heavy to very Heavy rainfall activity likely to continue over East Rajasthan, Madhya Pradesh and Gujarat state till 23rd September, 2021.

(ii) Isolated heavy rainfall activity very likely over Odisha & Gangetic West Bengal likely to continue till 20th September, 2021.

Rainfall amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more): West Madhya Pradesh: Agar-Malwa-14, Ratlam-7; **East Rajasthan:** Pratapgarh-12, Bundi-11, Banswara, Dungarpur, Kota-8, Bhilwara-7; **West Rajasthan-Pali-7;** **Gujarat state:** Dalod-9, Surendranagar-8; **Odisha:** Ganjam, Mayurbhanj-7; **West Bengal & Sikkim:** Nadia-8, Darjeeling-7; **Tamilnadu-Tirupattur-9.**

Weather Systems:

- ✓ A Low Pressure Area lies over central parts of East Rajasthan & adjoining West Madhya Pradesh.
- ✓ A cyclonic circulation lies over Northwest Bay of Bengal and adjoining areas of North Odisha-West Bengal-Bangladesh coasts extending upto mid-tropospheric levels tilting south-westwards with height.
- ✓ Western parts of the monsoon trough lies south of its normal position and its eastern end is its near normal position.

Weather forecast and Warning:

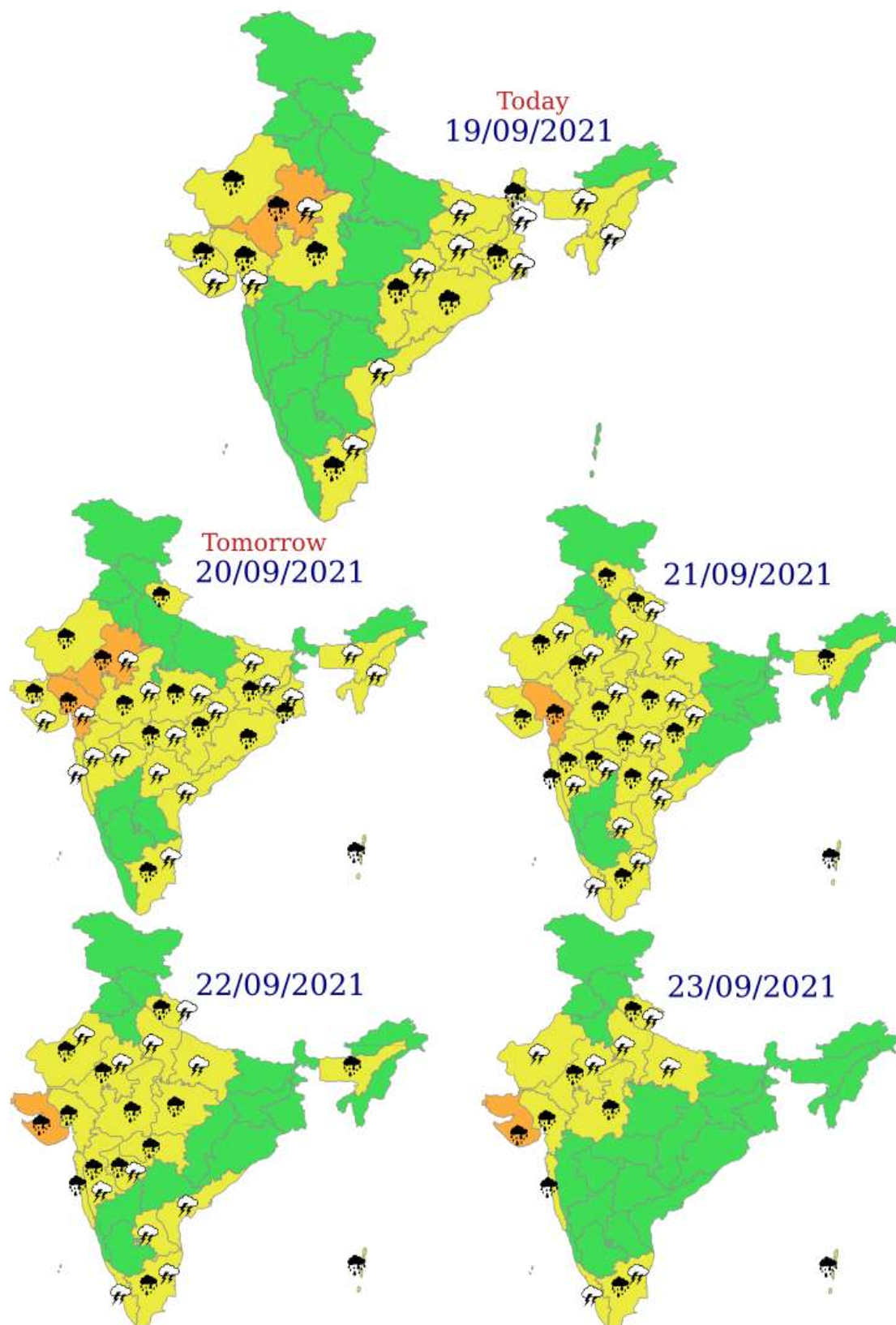
i) Fairly widespread to widespread rainfall with **isolated heavy falls** are likely over Gujarat State, Rajasthan and Madhya Pradesh during next 4-5 days. Isolated **very heavy falls** is also likely over East Rajasthan on 19th & 20th; over Gujarat region on 20th & 21st and over Saurashtra & Kutch during 22nd & 23rd September, 2021.

ii) Scattered to fairly widespread rainfall with isolated **heavy falls** very likely over Uttrakhand during 20th -23rd September, 2021.

iii) Fairly widespread to widespread Rainfall with & isolated **heavy falls likely to continue** over Odisha and Gangetic West Bengal on 19th & 20th September, 2021.

For detailed forecast and warning refer:

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



EXPECTED IMPACT & ACTION SUGGESTED due to **Very Heavy Rainfall** over East Rajasthan on 19th & 20th; over Gujarat region on 20th & 21th and over Saurashtra & Kutch during 20th -23th September, 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and 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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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

