



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

**Press Release**

**Date: 17<sup>th</sup> September, 2021**

**Time of Issue: 1245 hrs IST**

**Subject: (i) Increase in rainfall activity over East Rajasthan and Gujarat state from 18<sup>th</sup> September, 2021.**

**(ii) A fresh spell of heavy rainfall likely over East India from 18<sup>th</sup> September, 2021.**

**Rainfall amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more): Given at annexure**

**Weather Systems:**

- ✓ A **Well Marked Low Pressure Area** lies over northwest Madhya Pradesh & adjoining southwest Uttar Pradesh. It is very likely to weaken into a Low Pressure Area during next 24 hours and become less marked during subsequent 48 hours.
- ✓ A cyclonic circulation lies over Eastcentral Bay of Bengal & adjoining northeast Bay of Bengal and extends upto mid tropospheric levels tilting south-westwards with height. It is very likely to move west-northwestwards and reach Northwest Bay of Bengal off north Odisha-West Bengal coasts around 18<sup>th</sup> September, 2021 and then move west-northwestwards during subsequent 2-3 days.
- ✓ The monsoon trough lies south of its normal position. It is very likely to remain south of its normal position during next 5 days.

**Weather forecast and Warning:**

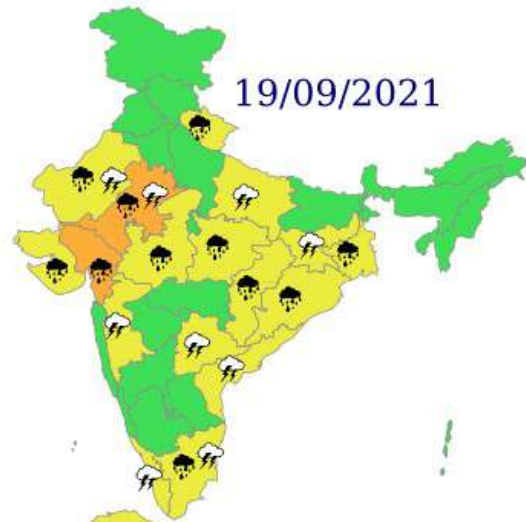
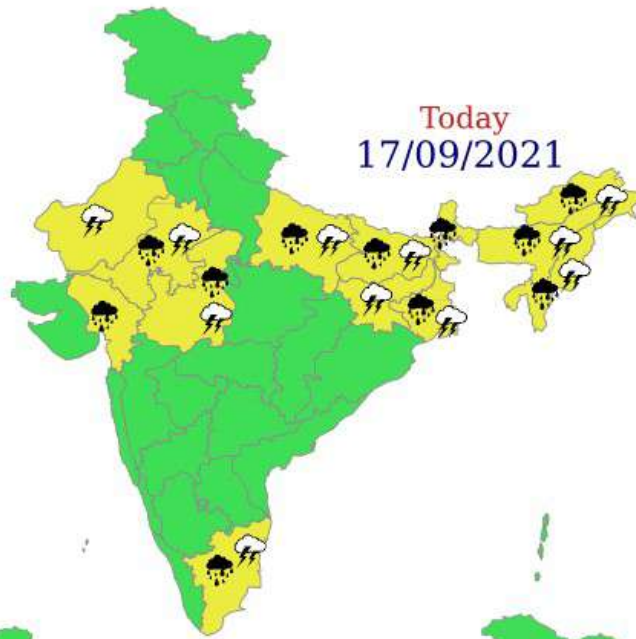
- ✓ Under the influence of the Well Marked Low Pressure Area and its associated cyclonic circulation; fairly widespread rainfall with **isolated heavy falls** are likely over Gujarat Region, Rajasthan and West Madhya Pradesh during next 3 days. Rainfall activity over Gujarat State is likely to increase from 19<sup>th</sup> September. Widespread rainfall with

**isolated heavy to very heavy falls** are likely over Gujarat State and East Rajasthan during 19<sup>th</sup>-21<sup>st</sup> September, 2021.

- ✓ Scattered rainfall with **isolated heavy falls** very likely over East Uttar Pradesh during next 24 hours and decrease thereafter. Fairly widespread rainfall with **isolated heavy falls** very likely over Uttrakhand and Himachal Pradesh during 19<sup>th</sup>-21<sup>st</sup> September. Light to moderated isolated/scattered rainfall activity likely over rest parts of northwest India during next 5 days.
- ✓ Rainfall activity is likely to increase over Odisha & Gangetic West Bengal with fairly widespread to widespread rainfall & **isolated heavy falls** over above areas from 18<sup>th</sup> to 20<sup>th</sup> September, 2021.

[For detailed forecast and warning refer:](#)

[https://mausam.imd.gov.in/imd latest/content/all india forcast bulletin.php](https://mausam.imd.gov.in/imd%20latest/content/all%20india%20forecast%20bulletin.php)



**EXPECTED IMPACT & ACTION SUGGESTED** due to **Very Heavy Rainfall** over East Rajasthan on 19<sup>th</sup>&20<sup>th</sup>; over West Rajasthan during 18<sup>th</sup>-20<sup>th</sup>; over Gujarat Region during 19<sup>th</sup>-21<sup>st</sup>; over Saurashtra & Kutch on 20<sup>th</sup> &21<sup>st</sup> 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.

<b>SPATIAL DISTRIBUTION</b> (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	<b>Widespread (WS/ Most Places)</b>	26-50	<b>Scattered (SCT/ A Few Places)</b>
51-75	<b>Fairly Widespread (FWS/ Many Places)</b>	1-25	<b>Isolated (ISOL)</b>



**Heavy Rain**



**Strong Winds**



**Thunderstorm with Lightning**

### 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

**24-hour accumulated rainfall (in cm) realised over the country (from 0830 hrs IST of 16<sup>th</sup> to 0830 hrs IST of 17<sup>th</sup> September, 2021)**

- ✓ **East Uttar Pradesh:** Azamgarh, Ayodhya-37 each, Sitapur-28, Barabanki, Kannauj-24 each, Lucknow, Ambedkar Nagar-21 each, Gonda-19, Basti, Bahraich-18 each, Unnao-17, Gorakhpur-16, Kanpur-15, Prayagraj-13, Hardoi-11, Amethi, Kheri-9 each, Fursatganj-7 each.
- ✓ **West Uttar Pradesh:** Etawah-14, Mainpuri-10, Etah-9, Shahjahanpur-8, Jhansi-7
- ✓ **Sub-Himalayan West Bengal & Sikkim:** Bagrakote-15
- ✓ **Jammu division:** Udhampur-10
- ✓ **Himachal Pradesh:** Mandi-9
- ✓ **Uttarakhand:** Dehradun-9, Uttarkashi-8;
- ✓ **Punjab:** Pathankot & Ludhiana-8 each
- ✓ **East Rajasthan:** Banswara-9; West Madhya Pradesh: Bhind-9, Dhar-7
- ✓ **Chhattisgarh:** Korba-7
- ✓ **Gujarat Region:** Panchmahal-9, Mahisagar, Anand and Vallabh Vidyanagar-7 each
- ✓ **Saurashtra & Kutch:** Dwarka-8; Andaman & Nicobar Islands: Car Nicobar-7.