



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

**Press Release**

**Date: 09<sup>th</sup> September, 2021**

**Time of Issue: 1330 hrs IST**

**Subject: i) Enhanced rainfall activity very likely to continue over Gujarat state and East Rajasthan during next 5 days.**

**ii) Enhance rainfall activity over northwest India during 09<sup>th</sup> -11<sup>th</sup> September, 2021.**

**iii) Increase in Rainfall activity over south Peninsular India from 12<sup>th</sup> September**

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

**Saurashtra & Kutch:** Gir Somnath-25, Junagarh-19, Dwarka-17, Porbandar-15, Rajkot & Veraval-14 each, Amreli & Okha-11 each, Keshod-10, Bhavnagar-9, Botad, Jamnagar & Porbandar-8 each; **Gujarat Region:** Mahisagar-12, Aravalli-9, Sabarkantha & Deodar-8 each; **East Rajasthan:** Banswara-14, Dungarpur-12; **East Madhya Pradesh:** Chindwara-9, Balaghat-7; **West Madhya Pradesh:** Alirajpur-8, Betul, Agar-Malwa Barwani-7; **Jammu division:** Jammu-8, Kathua-7; **Punjab:** Pathankot-7; **Konkan & Goa:** Matheran, Raigarh-8 each, Sindhudurg-7; **Madhya Maharashtra:** Kolhapur-11; Satara, Mahabaleshwar-7 each; **Vidarbha:** Wardha-8, Nagpur-7; **Gangetic West Bengal:** Jangirpur-9, Digha-8; **South Interior Karnataka:** Chikkamagaluru-10; **Coastal Karnataka:** Udupi-8; **Tamil Nadu:** Nilgiris-16; **Andaman & Nicobar Island:** Maya Bandar & Long Island-9 each; **Jharkhand:** Girdih-8; **Odisha:** Nayagarh-8, Deogarh-7; **Mizoram:** Lunglei-7.

### **Weather Systems:**

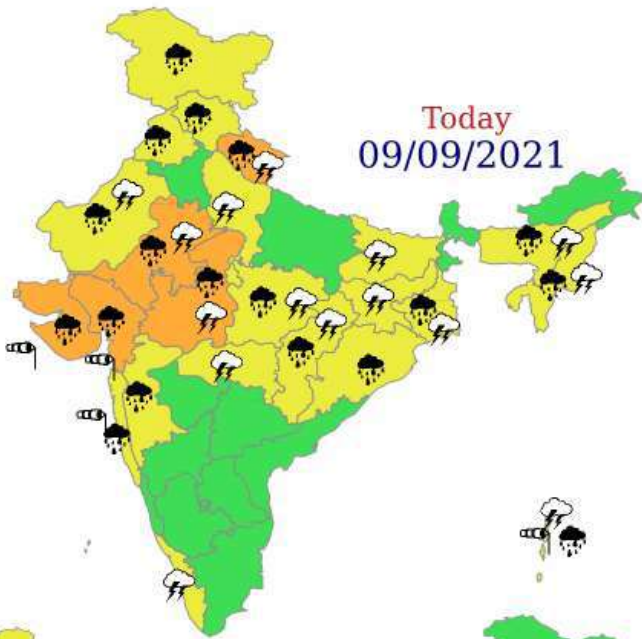
- A cyclonic circulation lies over central parts of West Madhya Pradesh & adjoining East Rajasthan extending upto middle tropospheric levels tilting southwestwards with height. It is very likely to persist over the same region during next 3 days.
- The monsoon trough lies south of its normal position. It is very likely to be south of its normal position during next 4 days.
- A trough runs from Northeast Arabian Sea to north Odisha across south Gujarat, south Madhya Pradesh and north Chhattisgarh tilting southwards with height between 3.1 km & 5.8 km above mean sea level.
- A **Low Pressure Area** is likely to form over North and adjoining Central Bay of Bengal around 11<sup>th</sup> September, 2021. It is likely to become more marked during subsequent 48 hours.

### **Forecast and Warnings:**

- ✓ Under the influence of likely formation of a Low Pressure area and its west-northwestward movement; consequent strengthening of lower level westerlies along the west coast; fairly widespread to widespread rainfall with isolated **heavy to very heavy falls** likely over north Konkan, south Gujarat region, Odisha, Chhattisgarh during 12<sup>th</sup>-13<sup>th</sup> September.
- ✓ Under the influence of cyclonic circulation over West Madhya Pradesh; Fairly widespread rainfall with **isolated heavy to very heavy falls** are likely over Gujarat State, southeast Rajasthan and West Madhya Pradesh during 09<sup>th</sup>-12<sup>th</sup> September.
- ✓ Rainfall activity is likely to increase with **isolated heavy falls** over south Haryana, southwest Uttar Pradesh during 10<sup>th</sup>-11<sup>th</sup> September. **Isolated heavy to very heavy falls** are likely over Uttarakhand and **isolated heavy falls** are likely over Jammu division and Himachal Pradesh during next 3 days.
- ✓ Reduced rainfall activity very likely to continue over south peninsular India till 11<sup>th</sup> and increase thereafter with scattered to fairly widespread rainfall from 12<sup>th</sup> September. **Isolated heavy falls** are likely over Karnataka, Kerala, Telangana and Andhra Pradesh on 13<sup>th</sup> September.

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

[https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php)



**EXPECTED IMPACT & ACTION SUGGESTED** due to **heavy to very Heavy Rainfall** over Uttarakhand during 09th-11th; East Rajasthan during 09th-12th; West Madhya Pradesh on 09th; Odisha on 12th & 13th; Andaman & Nicobar on 10th; Gujarat Region during 09th-13th; Saurashtra & Kutch on 09th; Konkan & Goa on 12th & 13th 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 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:** 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	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

