



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

**Press Release  
Date: 01<sup>st</sup> September, 2021  
Time of Issue: 1330 hrs IST**

- Subject: i) Enhanced rainfall activity very likely to continue over Gujarat & north Konkan during next 24 hours and gradual reduction thereafter.**
- ii) Rainfall activity over northwest India is very likely to decrease from tomorrow, the 02<sup>nd</sup> September, 2021.**
- iii) Increase in rainfall activity over south Peninsular India from tomorrow, the 04<sup>th</sup> September, 2021.**

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

- **Gujarat Region:** Valsad-40; Daman-33. dadra & Nagar Haaveli-16; Dangs, Narmada, Ahmedabad-9 each; Kheda, Banakantha, Surat, Gandhinagar-8 each
- **Haryana:** Pataudi-21; Jhajjar-14; Dadri-11; Bhiwani, Faridabad, Nuh, Rewari, Mahendragarh-9 each
- **Delhi:** Lodi Road-12; Pusa-10; Safdarganj-11; Delhi Ridge-8; Dhansa-10; Ayanagar, Palam-7 each
- **West Madhya Pradesh:** Neemuch-12
- **West Uttar Pradesh:** Mathura-9
- **Konkan & Goa:** Dhanau-20; Panvel-18; Uran & Thane-15 each; Alibag-13; Santacruz-11; Karjat-10
- **Madhya Maharashtra:** Dhule-9; Lonavala & Jalgaon-8 each
- **Marathwada:** Jalna-12
- **Saurashtra & Kutch:** Junagarh-13; Amreli & Bhavnagar-7 each
- **Rayalaseema:** Kurnool-13
- **East Rajasthan:** Alwar-11; Sikar-10; Bharatpur-9; Chittorgarh & Jaipur-7 each
- **West Rajasthan:** Churu-9
- **Arunachal Pradesh:** Bhalukpong-11; Itanagar-10
- **Tripura:** Kolasib-13; Dhalai-11; Mamit-9; Aizwal-8; Khowai-7
- **Coastal Andhra Pradesh & Yanam:** Srikakulam-9; Vizianagram-8
- **Telangana:** Jagtial-10; Nizamabad-8; Adilabad & Suryapet-7 each.

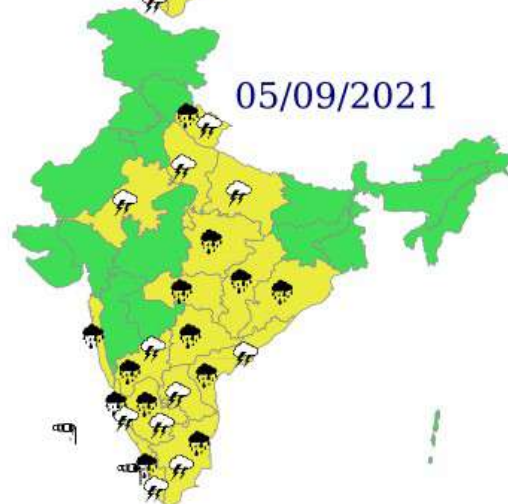
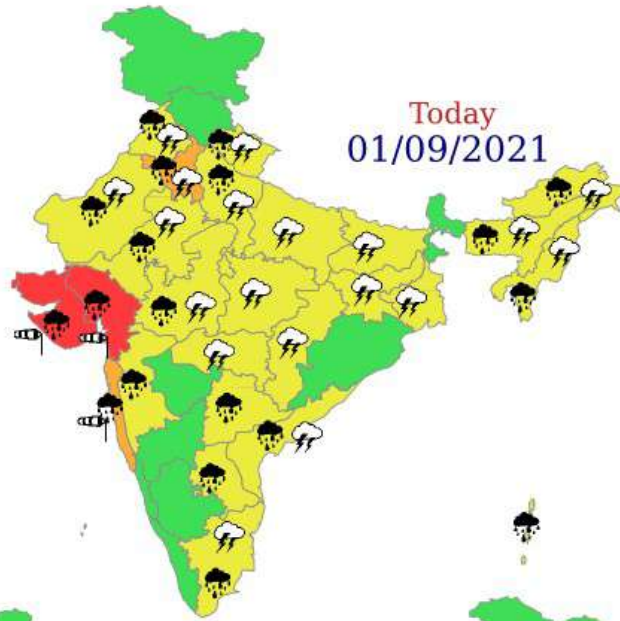
**Weather Systems and Forecast and Warnings:**

- The monsoon trough at mean sea level now passes to the south of its normal position. The eastern end of the monsoon trough is very likely to shift gradually northwards from tomorrow, the 2<sup>nd</sup> September and the western end is very likely to shift northwards from 3<sup>rd</sup> September onwards.

- A cyclonic circulation lies over south Gujarat Region & neighbourhood at extends upto middle tropospheric levels. It is likely to move west-northwestwards during next 3 days and become less marked thereafter.
- A trough runs from cyclonic circulation over south Gujarat Region & neighbourhood to northwest Uttar Pradesh across East Rajasthan at lower tropospheric levels. It is likely to become less marked during next 2 days.
- A shear zone in middle tropospheric levels likely to develop over south Peninsular India from 04<sup>th</sup> September.
- **Due to above meteorological conditions:**
  - ✓ Fairly widespread to widespread rainfall activity with **a) isolated extremely heavy falls** very likely over south Gujarat region and Saurashtra & Kutch during next 24 hours; **b) isolated very heavy falls** very likely over north Konkan and Haryana, Chandigarh & Delhi on 01<sup>st</sup> and over Gujarat State on 2<sup>nd</sup> September; **c) Isolated heavy falls** are likely over north Madhya Maharashtra during next 24 hours; south Rajasthan on 01<sup>st</sup> & 02<sup>nd</sup> and Saurashtra & Kutch on 03<sup>rd</sup> September.
  - ✓ Rainfall activity over south peninsular and West India is very likely to increase from 03<sup>rd</sup> September when Fairly widespread to widespread rainfall activity with **isolated heavy falls** very likely over Coastal Andhra Pradesh, Telangana, Tamil Nadu, Kerala and Karnataka during 04<sup>th</sup>-05<sup>th</sup> September.
  - ✓ Rainfall activity over Northeast India (Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura) is very likely to remain subdued over the region from 02<sup>nd</sup> September onwards.

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

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



**EXPECTED IMPACT & ACTION SUGGESTED due to Extremely Heavy/Very heavy rainfall at isolated places over Gujarat state during 01<sup>st</sup>-02<sup>nd</sup> September; over north Konkan & Haryana, Chandigarh & Delhi on 01<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 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)



**Heavy Rain**



**Strong Winds**



**Thunderstorm with Lightning**

<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