



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

**Press Release**

**Date: 11<sup>th</sup> September, 2021**

**Time of Issue: 1400 hrs IST**

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

**ii) Enhance rainfall activity over Punjab and Haryana likely to continue during next 24 hours and decrease thereafter.**

**iii) Increase in Rainfall activity over East, Central India and West coast 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): Punjab:** Amritsar-15; Kapurthala-14; Gurdaspur, Ludhiana-8; Jalandhar-7; **Delhi:** Palam, Safdarjung-10 each; Delhi-Ridge-7; **West Madhya Pradesh:** Neemuch-15; Alirajpur-10; Ashoknagar-8; Guna, Jhabua-7; **Gujarat Region:** Sabarkantha, Vadodra-9; Banaskantha, Gandhinagar, Baroda-8; Surat, Aravalli, Mehsana-7; **Saurashtra & Kutch:** Kutch-9; Surendernagar, Morbi-7; **East Madhya Pradesh:** Rewa-7; **Andaman & Nicobar Islands:** Maya Bandar-8; **Coastal Andhra Pradesh:** Srikakulam-11; **West Rajasthan:** Nagpur-10; **East Rajasthan:** Chittorgarh-13, Dungarpur-10; Ajmer, Bhilwara, Jhalawar-9; Pratapgarh, Rajsamand, Sirohi-8; Kota-7; **Himachal Pradesh:** Kangra-7; **Chattisgarh:** Bilaspur-7; **Konkan & Goa:** Raipur-7; **Madhya Maharashtra:** Pune-8; **Telangana:** Kumaram Bheem-12; **Odisha:** Khurda-10, Bolangir, Sundargarh-9, Kalahandi-8; **Coastal Karnataka:** Castle Rock-8, Udupi-7; **Vidarbha:** Gadchiroli-10.

## **Weather Systems:**

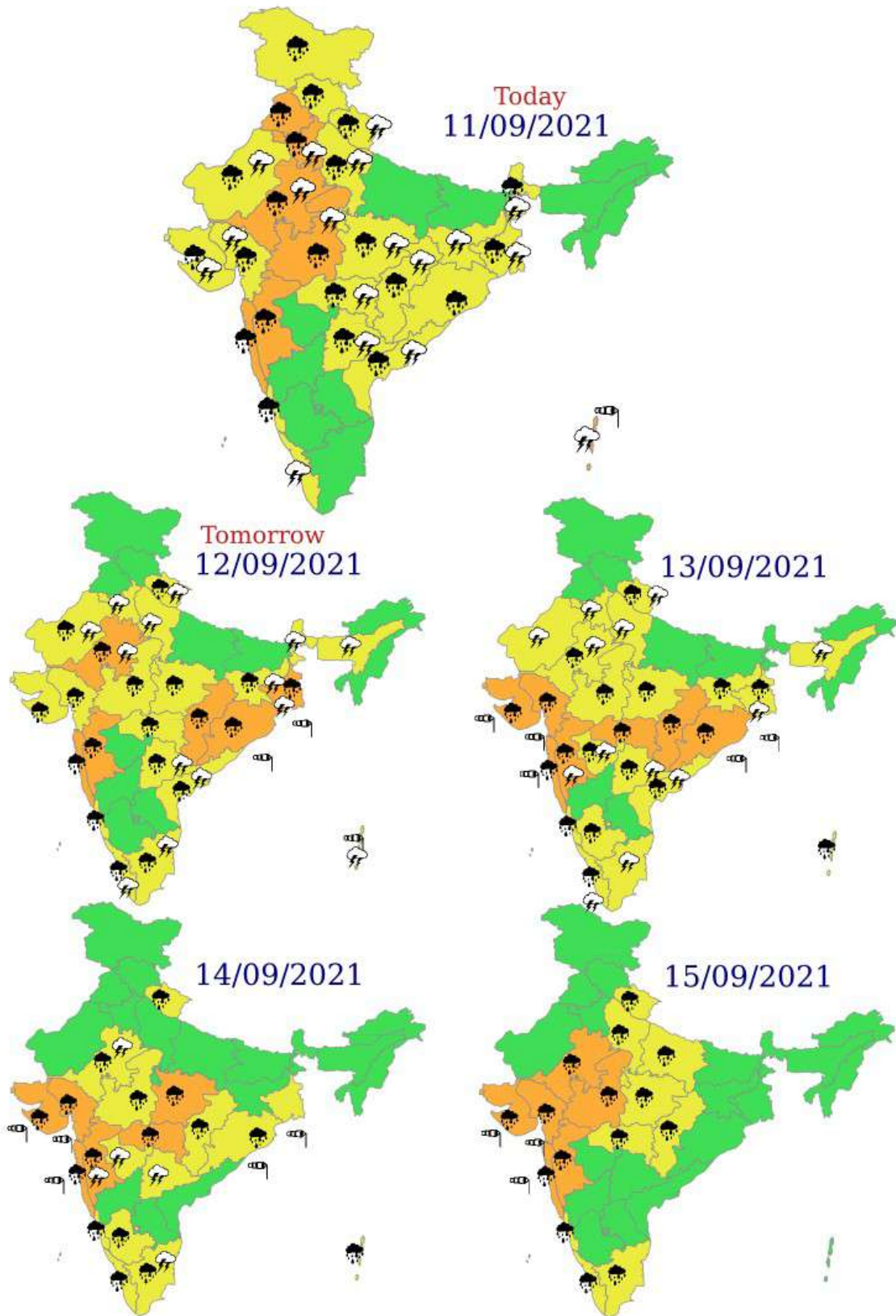
- A Low Pressure Area lies over Eastcentral & adjoining Northeast Bay of Bengal with associated cyclonic circulation upto middle tropospheric levels. It is very likely to move northwestwards and concentrate into a Depression over Northwest Bay of Bengal off north Odisha-West Bengal coasts during next 48 hours and move west-northwestwards across north Odisha and north Chhattisgarh during subsequent 2-3 days.
- Another Low Pressure Area lies over East Rajasthan & neighbourhood with associated cyclonic circulation extending upto middle tropospheric levels. The low pressure area and its remnant is likely to persist over the same area during 3-4 days.
- The monsoon trough lies south of its normal position. It is very likely to be south of its normal position during next 3-4 days.
- A trough runs from Northeast Arabian Sea to Eastcentral Bay of Bengal across Gujarat, Rajasthan, Madhya Pradesh, Chhattisgarh & Odisha in lower and mid tropospheric levels tilting southwards with height. It is also very likely to persist across central India during next 3-4 days.
- In association the Low Pressure area and its west-northwestward movement and also its further intensification, lower level westerlies are very likely to strengthen along the west coast during the next 5 days.

## **Weather forecast and Warning:**

- ✓ Fairly widespread to widespread rainfall **with isolated heavy to very heavy falls** very likely over Konkan & Goa, Madhya Maharashtra, Gujarat State, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha during next 5 days. **Isolated extremely heavy falls** also likely over Odisha, Gujarat state and Madhya Maharashtra on 13th and Konkan & Goa during 13th-14th September.
- ✓ Scattered to fairly widespread rainfall likely to continue over Peninsular India during next 5 days. Isolated heavy falls are likely over Coastal Karnataka during next 5 days; over Coastal Andhra Pradesh & Telangana during 11th-13th; over Kerala during 12th-15th; over South Interior Karnataka on 13th & 14th and over Tamilnadu, Puducherry & Karaikal on 12th, 14th & 15th September.
- ✓ Fairly widespread to widespread rainfall activity with **isolated heavy to very heavy falls** is likely to continue over Punjab and Haryana, Chandigarh & Delhi on 11<sup>th</sup> with reduction thereafter. Fairly widespread to widespread rainfall activity with **isolated heavy falls** are likely over Uttarakhand during 11th-15th; over West Uttar Pradesh, Jammu & Kashmir & Himachal Pradesh on 11th, over West Rajasthan on 11th & 12th September.

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 **very Heavy/Extremely heavy Rainfall** over Punjab, Haryana, Chandigarh & Delhi on 11<sup>th</sup>; Gangetic West Bengal on 12<sup>th</sup>; East Rajasthan during 11<sup>th</sup>-12<sup>th</sup> & 15<sup>th</sup>; West Madhya Pradesh on 11<sup>th</sup> & 15<sup>th</sup>; East Madhya Pradesh on 14<sup>th</sup>; Odisha on 12<sup>th</sup>-13<sup>th</sup> ; Gujarat state during 13<sup>th</sup>-15<sup>th</sup>; Konkan & Goa, Madhya Maharashtra during 11<sup>th</sup>- 15<sup>th</sup>; Vidarbha on 13<sup>th</sup> & 14<sup>th</sup>; over Chhattisgarh on 12<sup>th</sup>&13<sup>th</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

### 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