



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

Press Release

Date: 02nd September, 2021

Time of Issue: 1315 hrs IST

Subject: i) Enhanced rainfall activity very likely to continue over Gujarat during next 24 hours and reduction thereafter.

ii) Increase in rainfall activity over south Peninsular India from 04th and over Central India from 05th September, 2021.

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

- **Sub-Himalayan West Bengal & Sikkim:** Jalpaiguri-21, Darjeeling-18, Cooch Behar-16, Khanitar-9, Baghdogra-7;
- **Saurashtra & Kutch:** Junagarh & Kutch-17 each, Gir Somnath & Devbhoomi Dwarka-16 each, Porbandar & Okha-13 each, Jamnagar & Veraval-10 each, Rajkot, Surendranagar, Morbi & New Kandla-9 each, Kandla-7;
- **Gujarat Region:** Valsad-8, Aravalli-7;
- **Delhi:** Pusa-17; Lodi Road-13, Safdarjung-12, Palam-11, Mayur Vihar-8, Ridge-7;
- **Haryana:** Nuh, Rewari, Sonipat-9 each; Palwal, Jhajjar-7 each;
- **Andaman & Nicobar Islands:** Long Islands-13; Port Blair-8;
- **West Madhya Pradesh:** Indore-11, Rajgarh-8, Neenuch-7;
- **Arunachal Pradesh:** Bhalukpong-13;
- **Assam & Meghalaya:** Mangaldoi-19, Goibergaon-11, Majbat-10, Tamulpur-9, Goalpara-8, Tezpur-7;
- **West Uttar Pradesh:** Shahjahanpur-9, Agra & Sambhal-7 each;
- **Tamil Nadu:** Atiramapattinam-8;
- **West Rajasthan:** Nagaur-14, Churu-8;
- **East Rajasthan:** Chittorgarh, Alwar, Dausa-8 each;
- **Coastal Andhra Pradesh & Yanam:** Guntur-11;
- **Rayalaseema:** Chittoor & Cuddapah-7 each;
- **Tamil Nadu, Puducherry & Karaikal:** Krishnagiri-13; Pudukkottai & Thanjavur-8 each; Cheyyar-7.

Weather Systems and Forecast and Warnings:

- The monsoon trough at mean sea level is south of its normal position. It is very likely to shift gradually northwards from tomorrow, the 3rd September.
- A cyclonic circulation lies over Saurashtra & neighbourhood and extends upto middle tropospheric levels. It is likely to move north-westwards during next 2 days and become less marked thereafter.

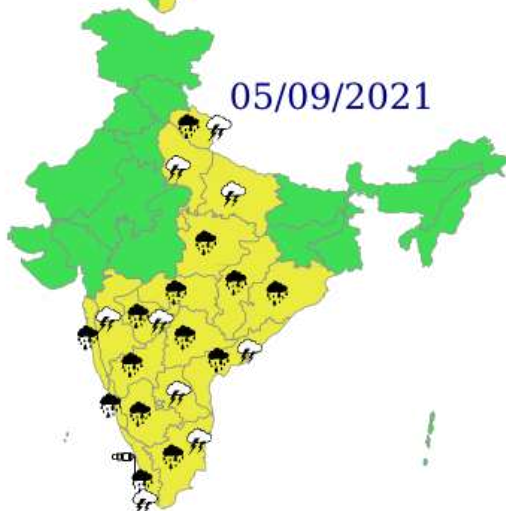
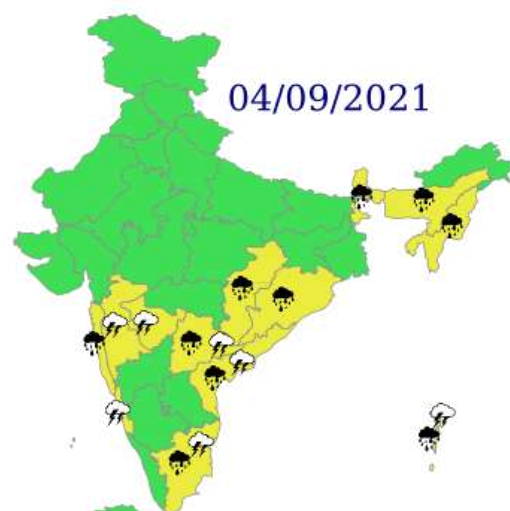
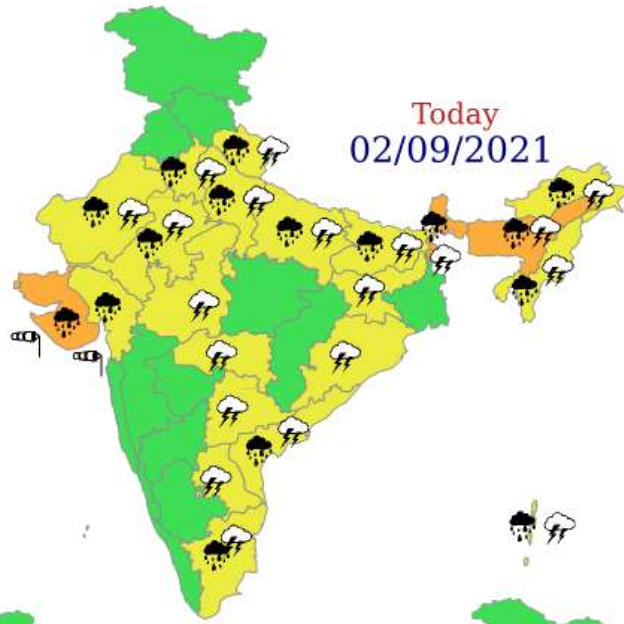
- A trough runs from cyclonic circulation over Saurashtra & neighbourhood to Haryana across central parts of Rajasthan at lower tropospheric levels. It is likely to become less marked during next 24 hours.
- A cyclonic circulation lies over Westcentral & adjoining Southwest Bay of Bengal off south Andhra Pradesh-north Tamil Nadu coasts in lower tropospheric levels. It is likely to become less marked during next 24 hours.
- A shear zone in middle tropospheric levels likely to develop over south Peninsular India from 03rd September, 2021.

Due to above meteorological conditions:

- ✓ Fairly widespread to widespread rainfall activity with **isolated very heavy falls** very likely over Saurashtra & Kutch during next 24 hours and **isolated heavy falls** also very likely over Gujarat Region, Uttar Pradesh, Rajasthan and Haryana on 02nd and over Saurashtra & Kutch on 03rd September.
- ✓ Rainfall activity over south peninsular India is very likely to increase from 04th September with fairly widespread to widespread rainfall activity & isolated **heavy falls** very likely over Konkan & Goa, Coastal Andhra Pradesh, Telangana and Tamil Nadu during 04th-06th; Karnataka, Kerala & Mahe and Marathwada on 05th & 06th and over Madhya Maharashtra on 06th September.
- ✓ Rainfall activity over Central India is very likely to increase from 05th September with fairly widespread rainfall activity & isolated **heavy falls** over Chhattisgarh during 04th-06th; Vidarbha, East Madhya Pradesh on 05th & 06th and over West Madhya Pradesh on 06th September.
- ✓ Scattered to fairly widespread rainfall activity likely to continue over East & Northeast India during next 4-5 days with **isolated very heavy falls** over Sub-Himalayan West Bengal & Sikkim on 02nd & 03rd and over Assam & Meghalaya on 02nd. **Isolated heavy falls** also very likely over Odisha during 03rd-06th; Assam & Meghalaya on 03rd & 04th; Arunachal Pradesh, Nagaland and Bihar on 02nd September.

For detailed forecast and warning refer:

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



EXPECTED IMPACT & ACTION SUGGESTED due to Very heavy rainfall at isolated places over Sub-Himalayan West Bengal & Sikkim on 02nd & 03rd; Assam & Meghalaya and Saurashtra & Kutch on 02nd 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)



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