



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 22nd September, 2021

Time of Issue: 1300 hrs IST

Subject: (i) Isolated heavy rainfall very likely to continue over East Rajasthan, Madhya Pradesh and Gujarat state during next 5 days.
(ii) Isolated heavy rainfall very likely over Gangetic West Bengal and Odisha till 22nd September.
(iii) A fresh spell of heavy rainfall likely over Odisha from 25th September and Gangetic West Bengal from 26th September.

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

Weather Systems:

- ✓ Monsoon trough lies to the south of its normal position and likely to remain so during next 5 days.
- ✓ A Low Pressure Area lies over southeast Jharkhand & neighbourhood with the associated cyclonic circulation extends upto middle tropospheric levels. It is likely to weaken gradually during next 24 hours and move west-northwestwards as a cyclonic circulation across north Chhattisgarh & north Madhya Pradesh during subsequent 3 days.
- ✓ A cyclonic circulation lies over East Rajasthan & neighbourhood at lower tropospheric levels and likely to persist during next 2 days.
- ✓ A cyclonic circulation lies over Myanmar coast & adjoining Gulf of Martaban and extends upto mid-tropospheric levels. It is likely to move northwestwards and emerge into Northeast & adjoining Eastcentral Bay of Bengal and under its influence, a Low Pressure Area is likely to form over the same region around 24th evening. Then it is likely to move west-northwestwards towards Odisha coast during the subsequent 48 hours.

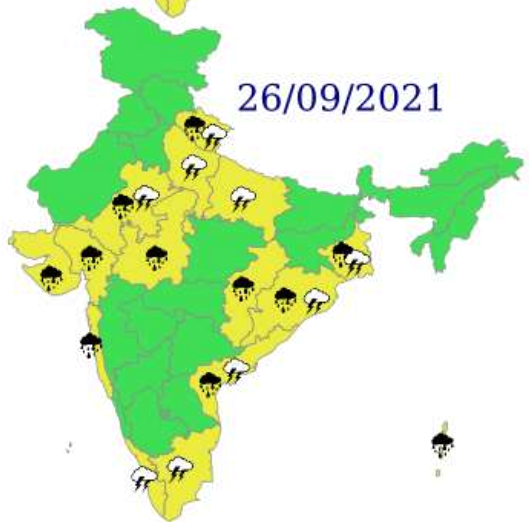
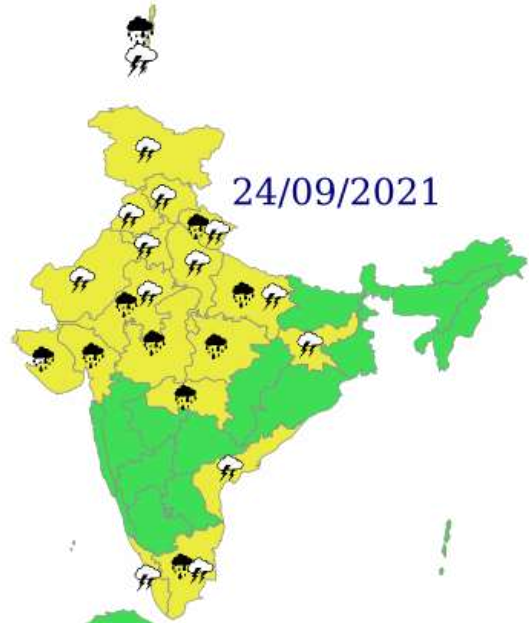
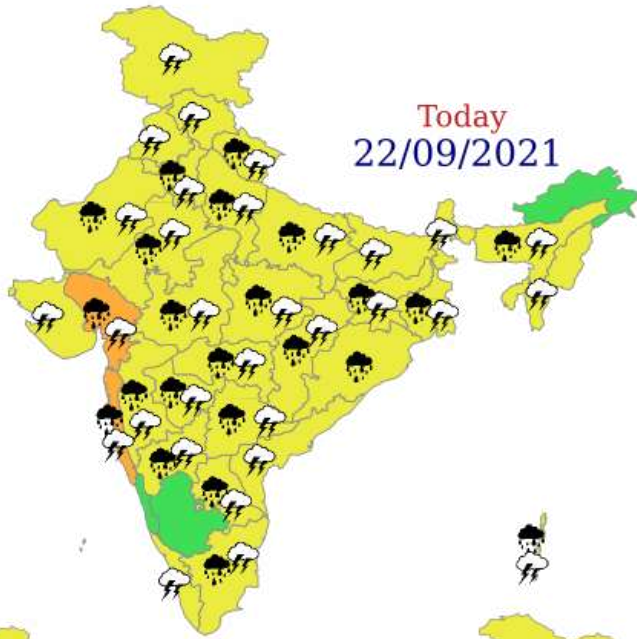
Weather forecast and Warning:

i) Scattered to fairly widespread rainfall with isolated **heavy falls** very likely over Uttarakhand during 22nd-26th; over East Uttar Pradesh during 22nd-24th and over West Uttar Pradesh & Haryana on 22nd September, 2021.

- ii) Fairly widespread to widespread Rainfall with Isolated **heavy falls** are likely over Gangetic West Bengal & Odisha on 22nd September, 2021 and decrease in rainfall activity thereafter.
- iii) Fairly widespread to widespread rainfall with Isolated **heavy falls** are likely over East Rajasthan & Gujarat Region during 22nd-26th and over West Rajasthan on 22nd September. Isolated **very heavy falls** also very likely over Gujarat Region on 22nd September, 2021.
- iv) Fairly widespread to widespread Rainfall with Isolated **heavy falls** are likely over Madhya Pradesh, Vidarbha & Chhattisgarh till 24th September and over Konkan & Goa, Madhya Maharashtra & Marathawada till 23rd September and decrease thereafter.
- v) A cyclonic circulation lies over Myanmar coast & adjoining Gulf of Martaban and extends upto mid-tropospheric levels. It is likely to move northwestwards and emerge into Northeast & adjoining Eastcentral Bay of Bengal and under its influence, a **Low Pressure Area** is likely to form over the same region around 24th evening. Then it is likely to move west-northwestwards towards Odisha coast during the subsequent 48 hours. Under its influence; a fresh spell of heavy rainfall likely over Odisha and adjoining areas from 25th September, 2021.

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

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php



EXPECTED IMPACT & ACTION SUGGESTED due to Very Heavy Rainfall over Gujarat Region and Konkan & Goa on 21st 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 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)



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



Annexure

24-hour accumulated rainfall (in cm) realised over the country (from 0830 hrs IST of 21st to 0830 hrs IST of 22nd September, 2021)

Konkan & Goa: Tala-17; Mhasla-14; Peth-10; Jawhar, Matheran-9; Mokheda, Talasari, Wada, Pen, Kalyan-8; Palghar, Karjat, Khalapur, Mahad, Panvel, Roha, Uran, Dapoli, Vengurla, Ambernath, Bhiwandi, Ulhasnagar-7; **Vidarbha:** Mohdi -14; Chandrapur-7; **West Rajasthan:** Jaswantpura, Nokh SR-13; Sayla-12; Kolayat Magra-8; Bilara-7; **East Rajasthan:** Mount Abu Tehsil-11; Salumber-8; **Marathawada:** Paithan-11; Jafrabad-8; **Tamilnadu:** Vaniaymbadi-11; Chayyar, DGP office-10; Taramani, Arani-9; Pochampalli-8; Seriperumbudur-7; **Gangetic West Bengal:** Jhargram -11; Tusuma, Kharagpur -10; Midnapore-9; Digha-7; **Sub-Himalayan West Bengal & Sikkim:** Kansabti -10; Kharidwar -8; **Andaman & Nicobar Islands:** Chegmari -10; Hut Bay -9; **Jharkhand:** Jamshedpur-9; **West Madhya Pradesh:** Bhainsdehi-10; Jhabua, Dahi-8; Alirajpur-7; **Madhya Maharashtra:** Nandgaon, Mahabaleshwar-8; **Royalaseema:** Utukuru-7; **Himachal Pradesh:** Paonta and Nahan-7.