



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 23rd September, 2021

Time of Issue: 1330 hrs IST

Subject: (i) Isolated heavy rainfall very likely to continue over East Rajasthan, West Madhya Pradesh, Gujarat state and north Konkan during next 5 days.

(ii) A fresh spell of heavy rainfall likely over Odisha 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 cyclonic circulation lies over south Chhattisgarh & neighbourhood and extends upto middle tropospheric levels. It is very likely to move west-northwestwards across Madhya Pradesh during next 3 days.
- ✓ A cyclonic circulation lies over southwest 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 middle tropospheric levels. It is likely to move northwestwards and emerge into Northeast & adjoining Eastcentral Bay of Bengal. Under its influence, a Low Pressure Area is likely to form over the same region around 24th evening. It is very likely to move west-northwestwards towards Odisha coast during subsequent 48 hours.

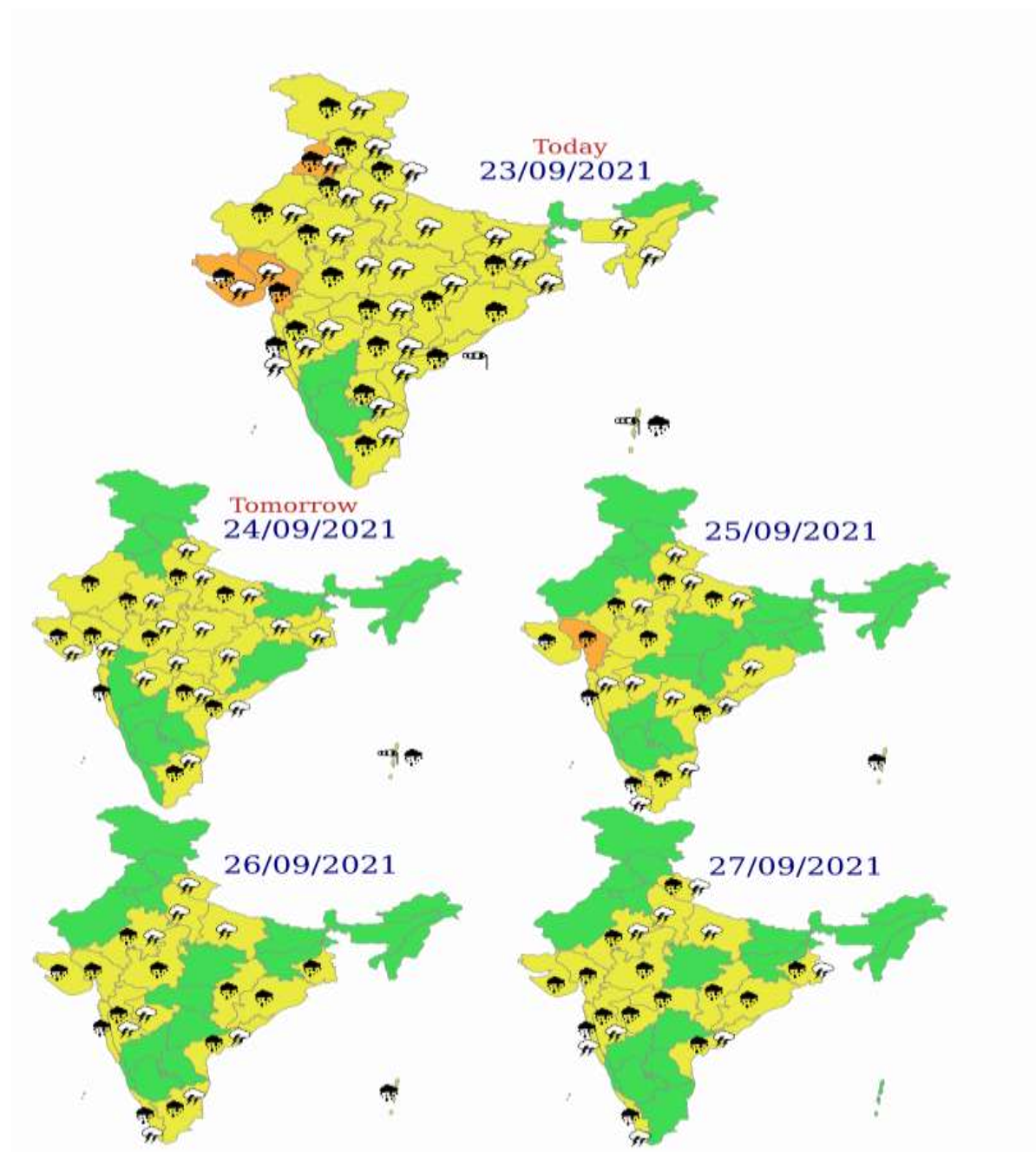
Weather forecast and Warning:

i) Fairly widespread to widespread rainfall with isolated **heavy falls** very likely over East Rajasthan, West Madhya Pradesh, Gujarat state, Konkan & Goa and Coastal Andhra Pradesh during next 5 days. **Isolated very heavy falls** is also likely over Gujarat Region on 25th & 26th; Saurashtra & Kutch on 26th & 27th and over Coastal Andhra Pradesh on 26th September, 2021.

- ii) Due to likely formation of **Low Pressure Area** over Northeast & adjoining Eastcentral Bay of Bengal around 24th evening and its west-northwestwards movement, a fresh spell of **heavy rainfall** likely over Odisha and Gangetic West Bengal from 26th September, 2021.
- iii Scattered to fairly widespread rainfall with **isolated heavy falls** very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana on today, the 23rd September. **Isolated very heavy rainfall** likely over Punjab on today, the 23rd September, 2021.
- iv) Rainfall activity is likely to increase over Kerala & Mahe with fairly widespread rainfall & isolated heavy falls 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 Punjab on 23rd September and over Gujarat Region on 23rd & 25th 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) |



| 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 22nd to 0830 hrs IST of 23rd September, 2021)

East Uttar Pradesh: Kheri-22; **Gujarat Region:** Valsad-17, Navsari-11, Mehsana-10, Surat-7; **East Rajasthan:** Sikar-15, Ajmer, Bharatpur, Udaipur-7; **West Madhya Pradesh:** Shivpuri-12, Shajapur, Indore, Neemuch-7; **Odisha:** Keonjhar-13, Balasore-7; **Jharkhand:** Latehar, Palamu-10, Ranchi-7; **Andaman & Nicobar Islands:** Carnicobar-7; **Coastal Andhra Pradesh & Yanam:** Vishakhapatnam-8; **Tamilnadu, Puducherry & Karaikal:** Madurai-7; **Telangana:** Sangareddy-10, Narayanpet-7; **Haryana:** Bhiwani-12, Jind-11, Sonapat, Mahendragarh-9, Hissar-8, Fatehabad-7; **Punjab:** Kapurthala-13, Faridkot-10, Jalandhar-7; **West Uttar Pradesh:** Bareilly-9; **Himachal Pradesh:** Bilaspur-8; **North Interior Karnataka:** Kalaburgi-7.