



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

**Press Release**

**Date: 21<sup>st</sup> September, 2021**

**Time of Issue: 1315 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 22<sup>nd</sup>.**

**(iii) Again a fresh spell of rainfall likely over Odisha from 26<sup>th</sup> 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 southern parts of Gangetic West Bengal & neighbourhood with the associated cyclonic circulation extends upto middle tropospheric levels tilting southwestwards with height. It is likely to weaken gradually during next 48 hours and move west-northwestwards as a cyclonic circulation across north Odisha, 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 3 days.

**Weather forecast and Warning:**

i) Fairly widespread to widespread Rainfall with Isolated **very heavy falls** are likely over Gangetic West Bengal & Odisha on 21<sup>st</sup>; **isolated heavy falls** on 22<sup>nd</sup> September, 2021 and decrease in rainfall activity thereafter.

ii) Fairly widespread to widespread rainfall with Isolated **heavy falls** are likely over East Rajasthan & Gujarat Region during 21<sup>st</sup>-25<sup>th</sup> and over West Rajasthan on 21<sup>st</sup> & 22<sup>nd</sup> September, 2021.

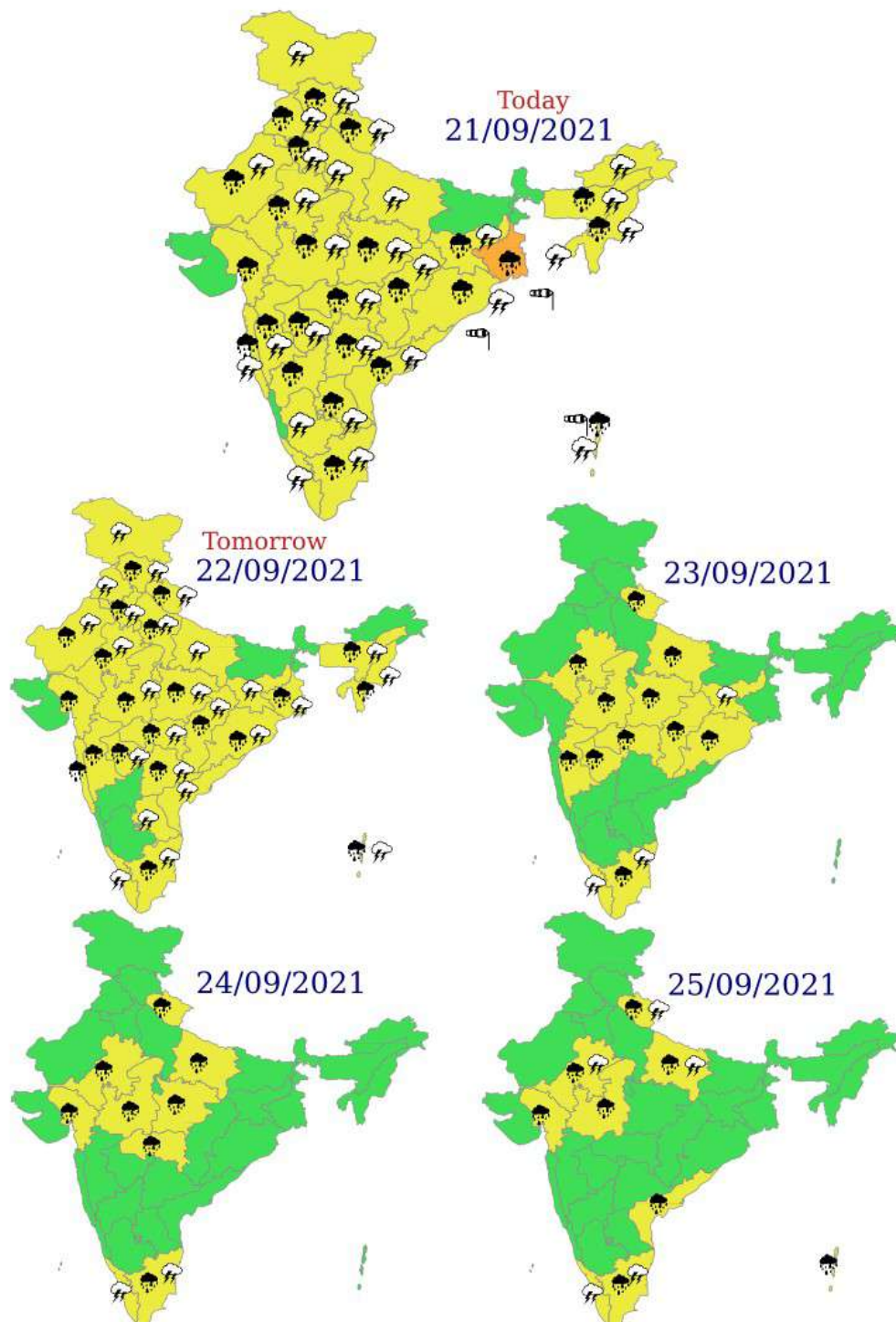
iii) Scattered to fairly widespread rainfall with isolated **heavy falls** very likely over Uttarakhand during 21<sup>st</sup>-25<sup>th</sup> and over Himachal Pradesh, Punjab & Haryana during 21<sup>st</sup>-22<sup>nd</sup> September, 2021.

iv) Fairly widespread to widespread Rainfall with Isolated **heavy falls** are likely over East Madhya Pradesh, Vidarbha & Chhattisgarh till 24<sup>th</sup> September and decrease thereafter.

v) A cyclonic circulation likely to develop over Eastcentral & adjoining Northeast Bay of Bengal around 25<sup>th</sup> September. It is likely to move west-northwestwards and reach Odisha coast during subsequent 48 hours. Under its influence; a fresh spell of heavy rainfall likely over Odisha and adjoining areas from 26<sup>th</sup> September, 2021.

[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 Rainfall** over Gangetic West Bengal, Odisha, East Madhya Pradesh and Gujarat Region on 21<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 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)



<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



## Annexure

### 24-hour accumulated rainfall (in cm) realised over the country (from 0830 hrs IST of 20<sup>th</sup> to 0830 hrs IST of 21<sup>st</sup> September, 2021)

**Gangetic West Bengal:** Sagar Island-21, Dumdum-13, Salt Lake- 12, Diamond Harbour, Canning-11 each, Barrackpore, Jhargram- 10, Haldia, Malda-9, Midnapore-8, Mohanpur, Kalaikunda-7; **Konkan & Goa:** Thane-16, Sindhudurg-10; **East Madhya Pradesh:** Balaghat-14, **Gujarat region:** Narmada-13, Chhota Udaipur, Surat-9, Kheda-8, Ahmedabad-7; **Odisha:** Sambalpur, Hirakud-11 each, Dhenkanal-8, Angul, Jagatsinghpur, Keonjhar-7 each; **West Madhya Pradesh:** Alirajpur, Harda-11 each, Agar, Malwa-7 each; **East Rajasthan:** Bhilwara-8 Sirohi-7; **East Uttar Pradesh:** Kheri, Sitapur-8 each, Kannauj-7; **Bihar:** Buxar-8; **Chattisgarh:** Bastar-7; **Tamilnadu:** Kallakurichi-11, Tiruavannamalai-10, Cuddalore, Tirupattur-9 each; **Himachal Pradesh:** Bilaspur-7; **Marathwada:** Parbhani-9, Jalna-8; **Rayalseema:** Chittor-9; **Telangana:** Medak-13, Vikarabad- 10, Kothaguden, Kumaram Bheem- 8, Jagtial, Karimnagar, Malkajgiri, Mahabubabad, Warangal-7, **Punjab:** Kapurthala- 9; **Uttarakhand:** Bageshwar-10; **North interior Karnataka:** Vijayapura, Yadgir- 11, Raichur-8, Kalaburgi-7; **South interior Karnataka:** Kolar-11; **Vidarbha:** Nagpur-12, Yeotmal-9.