



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

**Press Release**  
**Date: 02<sup>nd</sup> September, 2022**  
**Time of Issue: 1300 hrs IST**

**Subject: (i) Heavy rainfall spell over Extreme south Peninsular & Northeast India during next 5 days and over Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim during next 3 days.**  
**(ii) Subdued rainfall activity over plains of northwest India and over Central India during next 5 days.**

**Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annex. I)**

**Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure II)**

- The monsoon trough at mean sea level runs north of its normal position.
- A cyclonic circulation lies over Lakshadweep area & adjoining southeast Arabian Sea and extends upto mid tropospheric levels.
- A trough runs from cyclonic circulation over Lakshadweep area & adjoining southeast Arabian Sea to north Madhya Maharashtra across Konkan at lower tropospheric levels.
- An east-west trough runs from cyclonic circulation over Lakshadweep area & adjoining southeast Arabian Sea to southeast Bay of Bengal in lower & mid tropospheric levels.
- **Under the influence of the above systems:**
  - Fairly widespread/widespread rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Arunachal Pradesh and Assam & Meghalaya during next 5 days; over Nagaland, Manipur, Mizoram & Tripura during 2<sup>nd</sup> to 4<sup>th</sup> September. **Isolated very heavy rainfall also likely over Arunachal Pradesh on 02<sup>nd</sup> & 03<sup>rd</sup> and Assam & Meghalaya on 03<sup>rd</sup> September, 2022.**
  - Fairly widespread/widespread rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over West Madhya Pradesh on 02<sup>nd</sup>; Chhattisgarh on 06<sup>th</sup>; Bihar during 02<sup>st</sup>-04<sup>th</sup>; Jharkhand on 02<sup>nd</sup> & 03<sup>rd</sup> and over Sub-Himalayan West Bengal & Sikkim during 02<sup>nd</sup> to 05<sup>th</sup>; Odisha on 05<sup>th</sup> & 06<sup>th</sup> September. **Isolated very heavy rainfall over Sub-Himalayan West Bengal & Sikkim during 02<sup>nd</sup> - 04<sup>th</sup> September, 2022.**
  - Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Coastal Karnataka on 02<sup>nd</sup>, 05<sup>th</sup> & 06<sup>th</sup>; North Interior Karnataka, Rayalaseema on 05<sup>th</sup> & 06<sup>th</sup>; Lakshadweep on 02<sup>nd</sup>, 03<sup>rd</sup>, 05<sup>th</sup> & 06<sup>th</sup> and over Tamil Nadu, Kerala & Mahe and South Interior Karnataka during next 5 days. **Isolated very heavy rainfall also likely over Tamil Nadu & Lakshadweep on 02<sup>nd</sup> and South Interior Karnataka on 02<sup>nd</sup> & 06<sup>th</sup> and over Kerala & Mahe on 02<sup>nd</sup>, 05<sup>th</sup> & 06<sup>th</sup> September, 2022.**
  - Fairly widespread to widespread light/moderate rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Jammu & Kashmir on 04<sup>th</sup>; Himachal Pradesh on 04<sup>th</sup> & 05<sup>th</sup>; Uttarakhand during 03<sup>rd</sup> - 05<sup>th</sup> and over East Rajasthan on 02<sup>nd</sup> September, 2022. **Isolated very heavy rainfall also likely over Uttarakhand on 04<sup>th</sup> September, 2022.**
  - Fairly widespread/widespread rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Madhya Maharashtra on 02<sup>nd</sup> September 2022.
  - Subdued rainfall activity over plains of northwest India and over Central India during next 5 days.

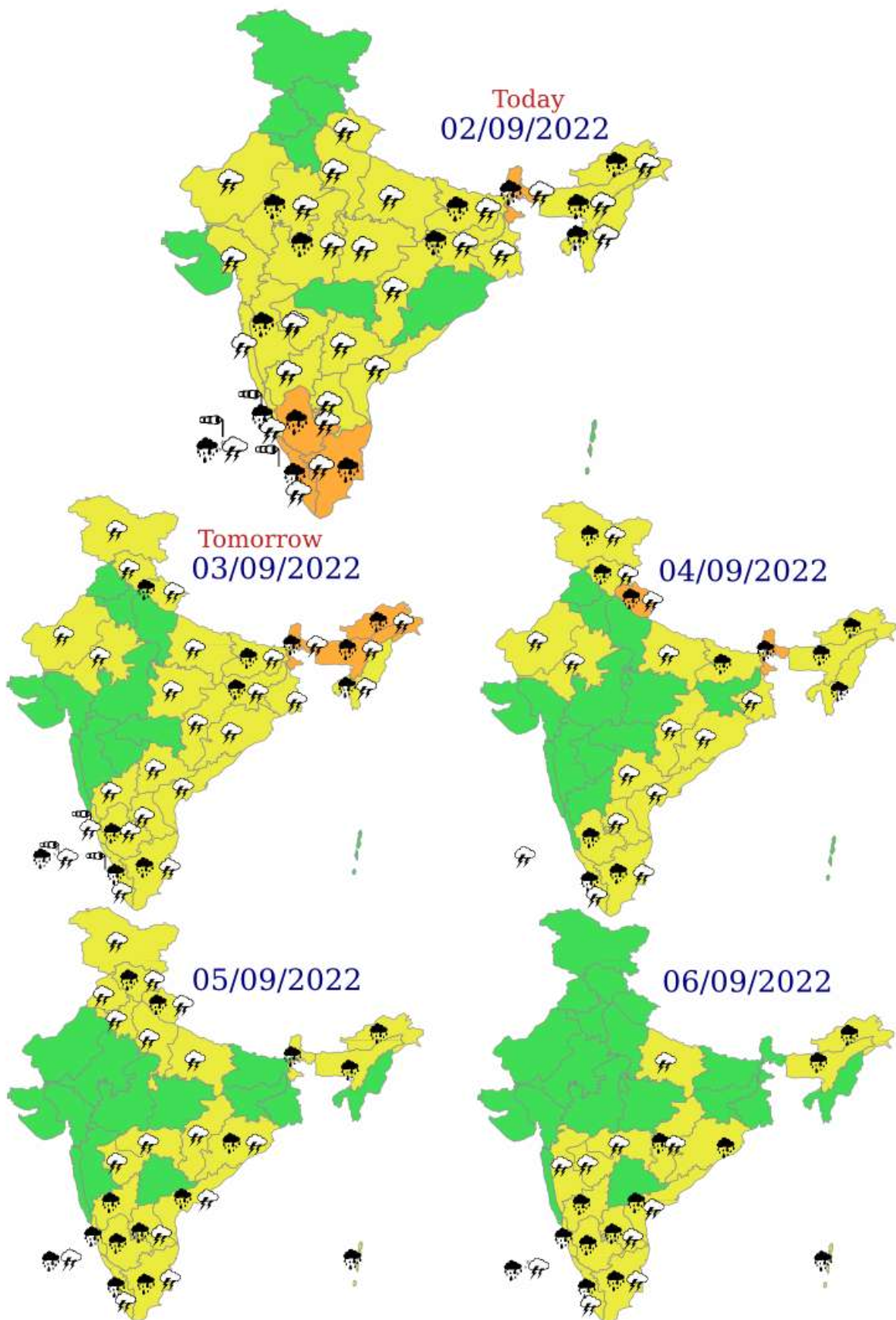
For more details kindly refer:

[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)

**Heavy to very heavy rainfall** occurred at isolated places over Uttarakhand, West Madhya Pradesh, Jharkhand, Madhya Maharashtra, South Interior Karnataka and Lakshadweep area. **Heavy rainfall** occurred at isolated places over East Rajasthan, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Marathwada, Rayalaseema, Coastal & North Interior Karnataka, Tamilnadu and Kerala.

**Rainfall (in cm):**

- ❖ **Uttarakhand:** Bageshwar: Sama-17; Champawat: Banbasa-15; Dehradun: Haripur-10, Mussoorie-12; Nainital: haldwani-9; Pithoragarh: Dharchula-11.
- ❖ **West Madhya Pradesh:** Alirajpur (dist Alirajpur) 14, Gandhwani (dist Dhar) 9, Nalchha (dist Dhar) 9, Sonkatch (dist Dewas) 9, Manawar (dist Dhar) 9, Biaora (dist Rajgarh) 9, Dhundhadaka (dist Mandsaur) 7, Nisarpur (dist Dhar) 7, Roan (dist Bhind) 7, Mihona (dist Bhind) 7, Dahi (dist Dhar) 7, Mandsaur- aws (dist Mandsaur) 7, Ashta-aws (dist Sehore) 7.
- ❖ **Kerala:** Malappuram: Karipur-11.
- ❖ **Lakshadweep:** Minicoy-13.
- ❖ **Chhattisgarh:** Kusmi (dist Balrampur) 9.
- ❖ **Madhya Maharashtra:** Sinnar (dist Nashik) 17.
- ❖ **Marathwada:** AUSA (dist Latur) 8, Bhokardan (dist Jalna) 8.
- ❖ **East Rajasthan:** Bhilwara-7; Ghatol-7.
- ❖ **Rayalaseema:** Allagadda (dist Kurnool) 8.
- ❖ **Bihar:** Gopalganj: Bhoire -10.
- ❖ **East Madhya Pradesh:** Bilhari (dist Katni) 7, Niwari (dist Niwari) 7, Lavkushnagar (dist Chhatarpur) 7, Orchha (dist Niwari) 7.
- ❖ **Tamilnadu:** Tiruppur: Tiruppur Collectrate Camp-9, Kangeyam-8, Tiruvallur: Avadi-7; Coimbatore: Sulur-7, Cuddalore: Vanamadevi-7, Panruti-6



**IMPACT EXPECTED & ACTION SUGGESTED DUE TO-**

**Isolated very heavy rainfall** over Uttarakhand on 4<sup>th</sup>, Sub-Himalayan West Bengal & Sikkim during 02<sup>nd</sup>-04<sup>th</sup>, Arunachal Pradesh and Assam & Meghalaya on 03<sup>th</sup>, Tamilnadu, South Interior Karnataka, Kerala & Lakshadweep on 02<sup>nd</sup> September, 2022.

**A. Impact Expected**

- Localized Flooding of roads, 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:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and 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

