



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

**Press Release**  
**Date: 08<sup>th</sup> October, 2022**  
**Time of Issue: 1245 hrs IST**

**Subject: (i) Heavy rainfall spells likely to continue over Uttarakhand, Uttar Pradesh, West Madhya Pradesh and East Rajasthan during next 2-3 days.**  
**(ii) Enhancement of rainfall activity over Tamilnadu and Rayalaseema during next 4 days and over Coastal Andhra Pradesh during next 2 days.**

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

**Withdrawal of Southwest Monsoon (Annexure II)**

- The withdrawal line of Southwest Monsoon continues to pass through Long. 79.0°E/ Lat. 31.7° N, Uttarkashi, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3° N.

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

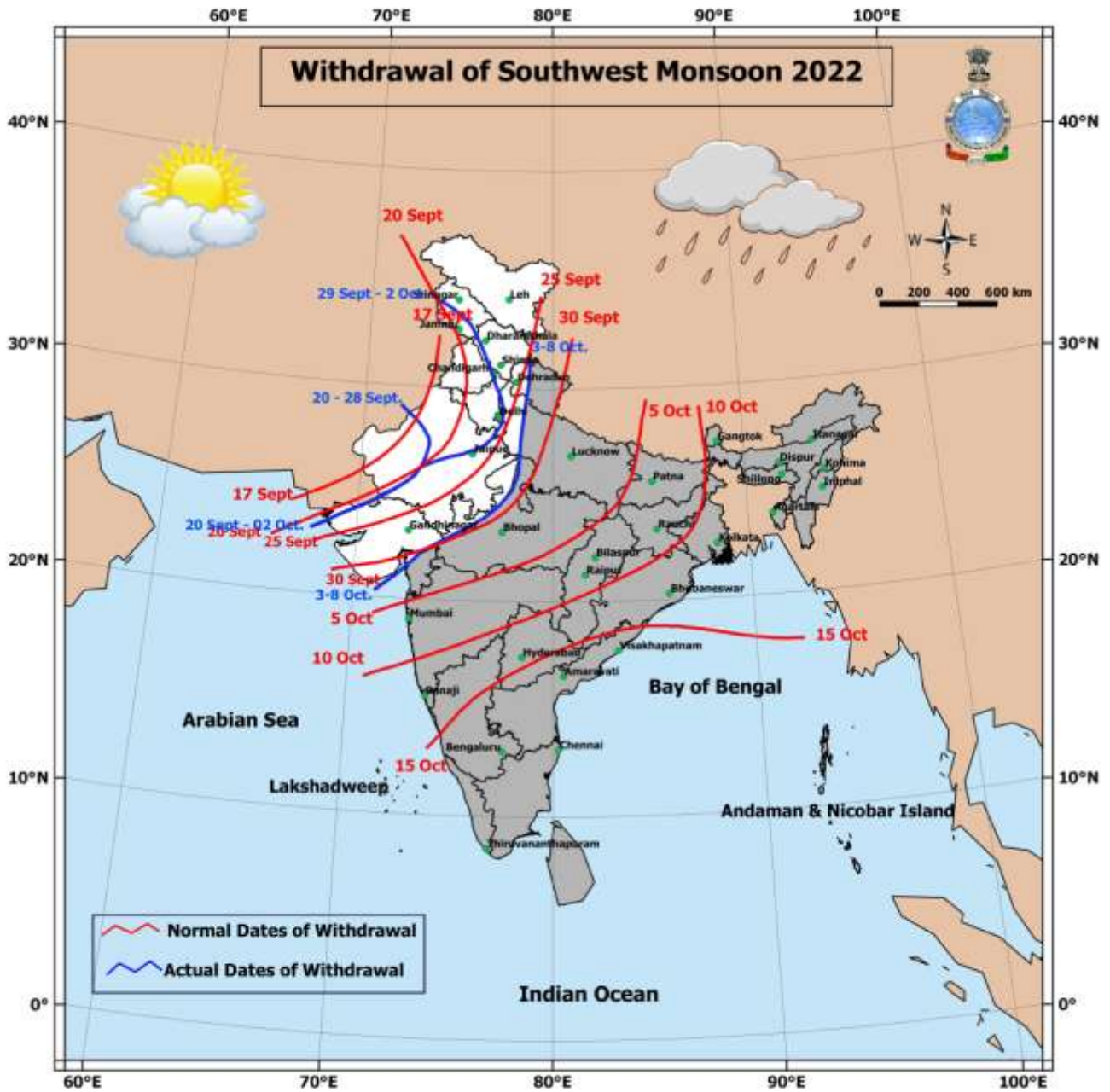
- A fresh **Western Disturbance** as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along 64°E to the north of 32°N.
- A cyclonic circulation lies over Gujarat Region & neighbourhood in lower tropospheric levels. It is likely to move northeastwards across central India during next 3 days.
- A trough runs from the cyclonic circulation over Gujarat Region & neighbourhood to Punjab across central Rajasthan & Haryana in lower tropospheric levels.
- Another cyclonic circulation lies over central parts of south Bay of Bengal in lower and middle tropospheric levels.
- **Under the influence of above systems;**
  - Fairly widespread/widespread light/moderate rainfall with **isolated/scattered heavy falls & thunderstorm/lightning** very likely over Uttarakhand, East Uttar Pradesh and West Madhya Pradesh during 08<sup>th</sup>-10<sup>th</sup>; West Uttar Pradesh and East Rajasthan on 08<sup>th</sup> & 09<sup>th</sup>; Haryana, Chandigarh & Delhi on 08<sup>th</sup> and East Madhya Pradesh on 11<sup>th</sup> October, 2022. **Isolated very heavy rainfall very likely over Uttarakhand and Uttar Pradesh on 08<sup>th</sup> & 09<sup>th</sup>; East Rajasthan and West Madhya Pradesh on 08<sup>th</sup> October, 2022.**
  - Scattered/Fairly widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Gujarat Region and Coastal Andhra Pradesh & Yanam on 08<sup>th</sup> & 09<sup>th</sup>; Madhya Maharashtra and North Interior Karnataka on 10<sup>th</sup>; South Interior Karnataka and Kerala on 09<sup>th</sup> & 10<sup>th</sup>; Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 08<sup>th</sup>-11<sup>th</sup>; Saurashtra & Kutch on 08<sup>th</sup> and over Telangana on 08<sup>th</sup> October, 2022. **Isolated very heavy rainfall very likely over Gujarat region on 08<sup>th</sup> and over Tamil Nadu on 09<sup>th</sup> October, 2022.**
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim during 08<sup>th</sup>-12<sup>th</sup>; Bihar on 11<sup>th</sup> October, 2022.
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh and Assam & Meghalaya during 08<sup>th</sup>-12<sup>th</sup> and over Nagaland, Manipur, Mizoram & Tripura during 09<sup>th</sup>-11<sup>th</sup> October, 2022.

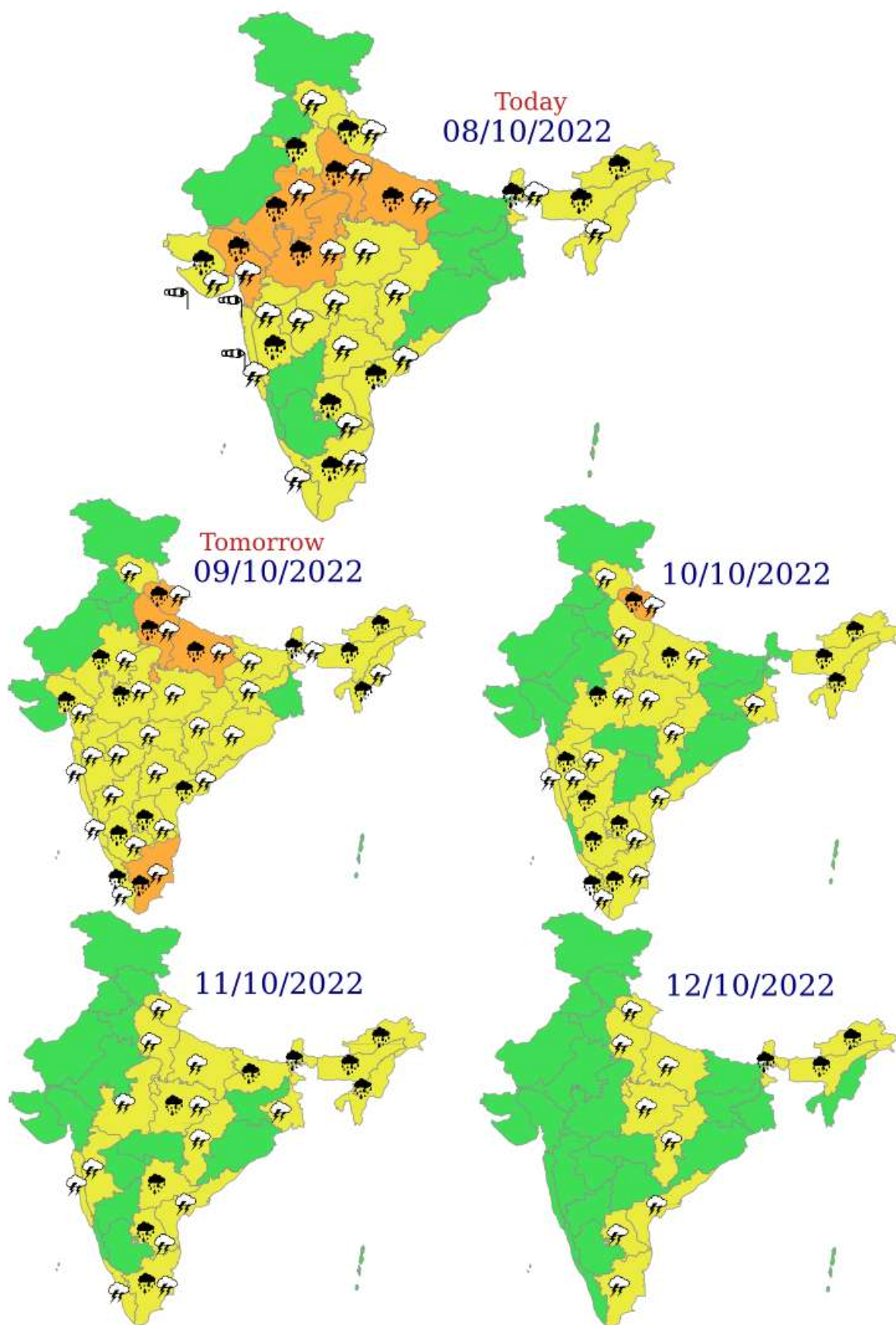
For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

**Isolated extremely heavy rainfall occurred over East Uttar Pradesh; very heavy rainfall over East Rajasthan, West Uttar Pradesh, Konkan & Goa and West Madhya Pradesh and heavy rainfall over Gujarat state, Assam, Arunachal Pradesh, Coastal Andhra Pradesh and Tamil Nadu.**

**Rainfall (in cm):**

- ❖ **East Uttar Pradesh:** Dhaurahara (dist Kheri) 24, Azamgarh (dist Azamgarh) 14, Sardanagar (dist Kheri) 12, Bhinga (dist Shrawasti) 11, Kheri Lakhimpur (dist Kheri) 8, Chanderdeepghat (dist Gorakhpur) 7, Nighasan (dist Kheri) 7;
- ❖ **West Madhya Pradesh:** Kolaras (dist Shivpuri) 16, Narwar (dist Shivpuri) 15, Pichhore (dist Shivpuri) 14, Shivpuri (dist Shivpuri) 12, Pohri (dist Shivpuri) 12, Khaniyadana (dist Shivpuri) 11, Zirapur (dist Rajgarh) 11, Roan (dist Bhind) 10, Badoda (dist Sheopur) 9, Mihona (dist Bhind) 9, Jawad (dist Neemuch) 8, Vijaypur (adp) (dist Sheopur) 8, Dhar-aws (dist Dhar) 8, Ghatigaon (dist Gwalior) 8, Bhitwar (dist Gwalior) 7, Gautampura (dist Indore) 7, Kumbhraj (dist Guna) 7, Veerapur (dist Sheopur) 7, Gogawan (dist Khargone) 7, Datia-aws (dist Datia) 7;
- ❖ **Konkan & Goa:** Murud (dist Raigad) 16, Panvel\_agri (dist Raigad) 14, Ambarnath (dist Thane) 11, Matheran (dist Raigad) 11, Santacruz - Imd Obsy (dist Mumbai Suburban) 11, Mangaon (dist Raigad) 11, Mhasla (dist Raigad) 11, Tbia Imd Part Time (dist Thane) 11, Shriwardhan (dist Raigad) 11, Thane (dist Thane) 10, Uran (dist Raigad) 10, Roha (dist Raigad) 10, Tala (dist Raigad) 9, Ulhasnagar (dist Thane) 9, Kalyan (dist Thane) 9, Palghar\_agri (dist Palghar) 9, Colaba - Imd Obsy (dist Mumbai City) 9, Khalapur (dist Raigad) 7, Murbad (dist Thane) 7, Bhiwandi (dist Thane) 7;
- ❖ **West Uttar Pradesh:** Etawah (Cwc) (dist Etawah) 14, Aliganj (dist Etah) 8, Kalpi Cwc (dist Jalaun) 7, Sambhal (dist Sambhal) 7;
- ❖ **East Rajasthan:** Karauli (Karauli) 12, Mandalgarh (Bhilwara) 9, Sajjangarh (Banswara) 7, Pachpahar (Jhalawar) 7, Chabra (Baran) 7, Dholpur Tehsil (Dholpur) 7, Baran (Baran) 7, Kishanganj (Baran) 7, Sallopat (Banswara) 7, Aklera (Jhalawar) 7, Mangrol (Baran) 7, Mandrayal (Karauli) 7, Chothkabarwara (Sawai Madhopur) 7, Chhoti sadri (Pratapgarh) 7, Pipalda (Kota) 7;
- ❖ **Gujarat Region:** Subir (dist Dangs) 11, Devgad Baria (dist Dahod) 7, Umerpada (dist Surat) 7;
- ❖ **Saurashtra & Kutch:** Bhavnagar (dist Bhavnagar) 7, Vadia (dist Amreli) 7;
- ❖ **Coastal Andhra Pradesh:** Anakapalle(a) (dist Vishakhapatnam) 10, Polavaram (dist West Godavari) 7;
- ❖ **Assam:** North Lakhimpur (dist Lakhimpur) 7, Bakulia (dist Karbi Anglong) 7;
- ❖ **Arunachal Pradesh:** Bhalukpong (dist West Kameng) 7;
- ❖ **Tamil Nadu:** Alangayam (dist Tirupathur) 7, Jambukuttapatti (dist Krishnagiri) 7.





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

**Isolated very heavy rainfall very likely over Uttarakhand and Uttar Pradesh on 08<sup>th</sup> & 09<sup>th</sup>; East Rajasthan, Gujarat Region and West Madhya Pradesh on 08<sup>th</sup> and over Tamil Nadu on 09<sup>th</sup> October, 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

