



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 09th October, 2022
Time of Issue: 1245 hrs IST

Subject: (i) Heavy rainfall spell likely to continue over Uttarakhand, Uttar Pradesh, West Madhya Pradesh and East Rajasthan during next 2 days.
(ii) Heavy rainfall spell over Tamilnadu & Rayalaseema during next 5 days and over Coastal Andhra Pradesh & Telangana during next 24 hours.

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 **Western Disturbance** as a trough in middle tropospheric westerlies runs roughly along 68°E to the north of 25°N.
- A cyclonic circulation lies over northeast Rajasthan & neighbourhood in lower tropospheric levels.
- A trough runs from Northeast Arabian Sea to northeast Rajasthan across Gujarat in lower tropospheric levels.
- Another cyclonic circulation lies over central parts of southwest Bay of Bengal & adjoining north Sri Lanka coast in lower & 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, Haryana, Uttar Pradesh and West Madhya Pradesh on 09th & 10th and over East Rajasthan on 09th October, 2022. **Isolated very heavy rainfall very likely over Uttarakhand and West Uttar Pradesh on 09th October, 2022.**
 - Scattered/Fairly widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 09th-13th; Coastal Andhra Pradesh & Yanam and Telangana on 09th, 12th & 13th; North Interior Karnataka on 10th & 11th; South Interior Karnataka during 09th-11th and over Kerala on 09th & 10th October, 2022. **Isolated very heavy rainfall very likely over Tamil Nadu on 09th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim during 09th-12th; Odisha on 09th and over Bihar on 11th & 12th October, 2022. **Isolated very heavy rainfall very likely over Sub-Himalayan West Bengal & Sikkim on 09th & 10th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh and Assam & Meghalaya during 09th-12th and over Nagaland, Manipur, Mizoram & Tripura during 09th-11th October, 2022.

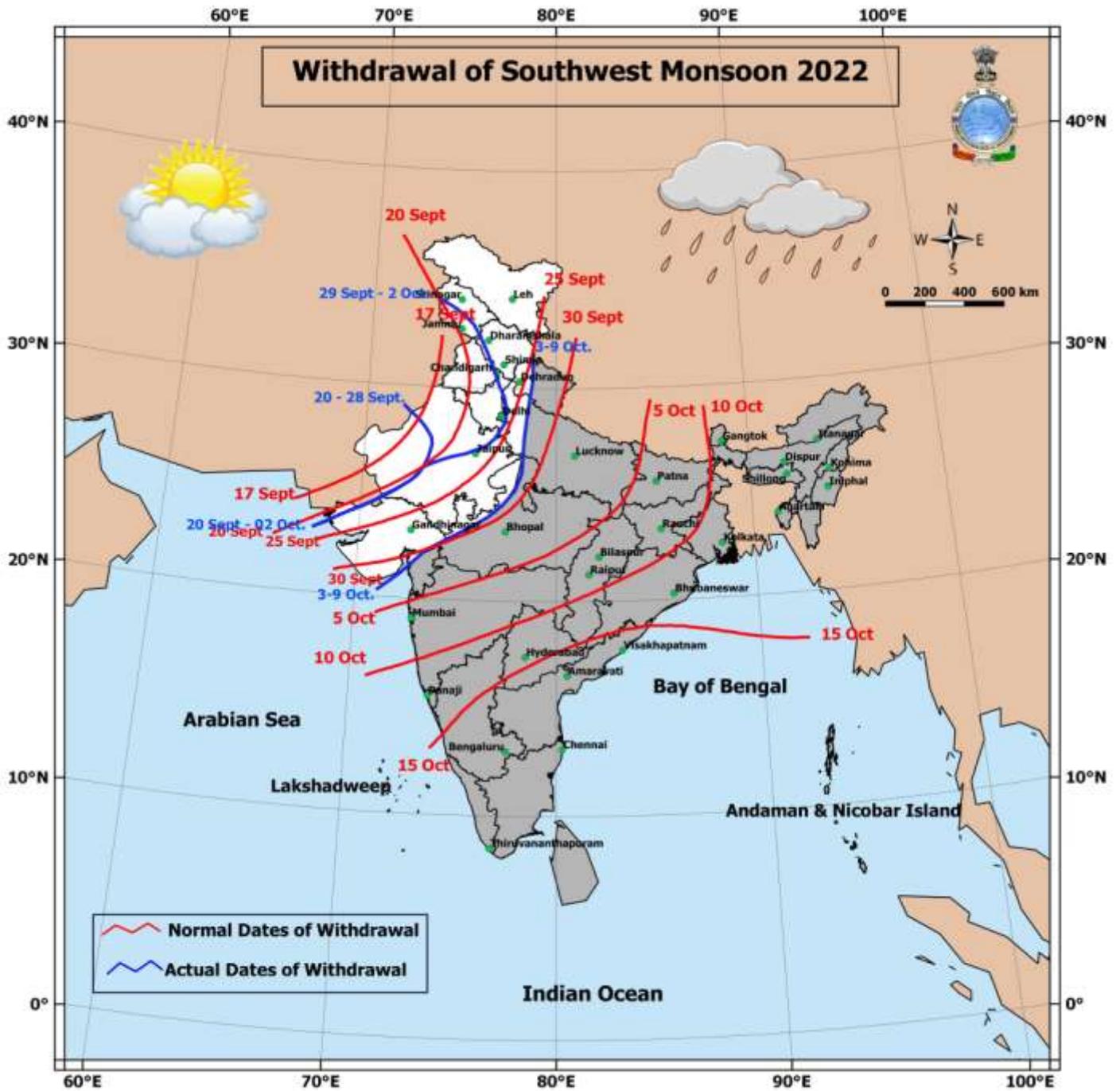
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

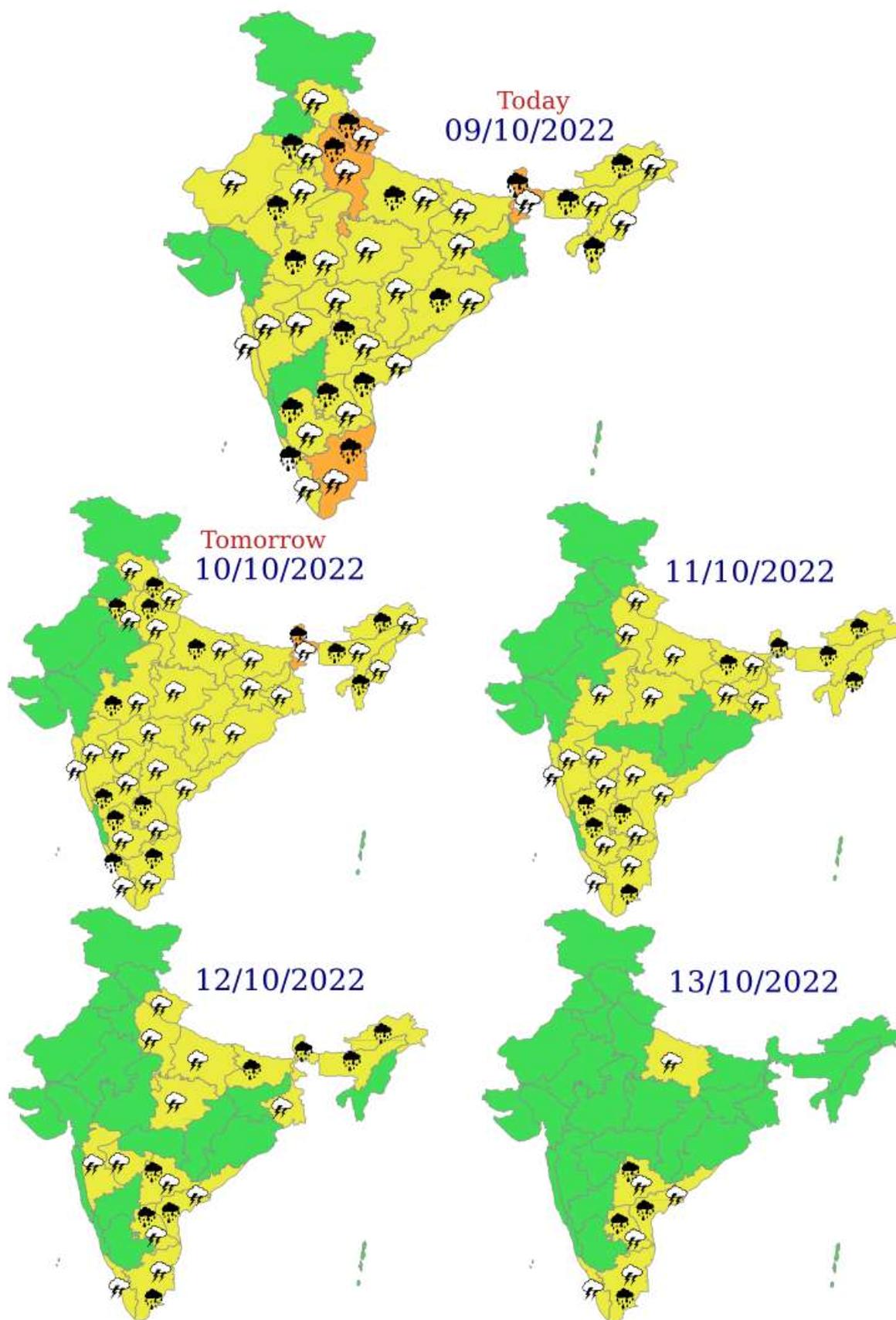
Isolated extremely heavy rainfall occurred over East Rajasthan; **very heavy rainfall** over Uttar Pradesh, Haryana & Chandigarh, Sub-Himalayan West Bengal & Sikkim and Telangana and **heavy rainfall** over Uttarakhand, Punjab, Delhi, West Rajasthan, West Madhya Pradesh, Assam & Meghalaya, Arunachal Pradesh, Gujarat region, Coastal Andhra Pradesh and Tamil Nadu.

Rainfall (in cm):

- ❖ **East Rajasthan:** Sewarbundh (dist Bharatpur) 23, Kotkasim SR (dist Alwar) 21, Dausa (dist Dausa) 18, Bharatpur Tehsil SR (dist Bharatpur) 18, Kishngarhwas (dist Alwar) 17, Sikrai & Baswa (dist Dausa) 16, Viratnagar (dist Jaipur) 15, Govindgarh (dist Alwar) 15, Nagar (dist Bharatpur) 14;
- ❖ **West Uttar Pradesh:** Chandausi (dist Sambhal) 19, Baheri (dist Bareilly) 16, Aligarh (dist Aligarh) 16, Narora (dist Bulandshahar) 14, Etah (dist Etah) 13, Sahaswan (dist Badaun) 12, Sadabad (dist Hathras) 12, Kasganj (dist Kasganj) 11, Moradabad Cwc (dist Moradabad) 11, Milak (dist Rampur) 11, Shahjahanpur (T) (dist Shahjahanpur) 11, Bareilly Cwc (dist Bareilly) 11, Sambhal (dist Sambhal) 10, Bareilly Pbo (dist Bareilly) 10, Moradabad (dist Moradabad) 10, Budaun (dist Badaun) 10, Dataganj (dist Badaun) 10, Anupshahr (dist Bulandshahar) 9, Jalesar (dist Etah) 9, Moradabad Obsy (dist Moradabad) 9, Nawabganj (dist Bareilly) 9, Vrindavan (dist Mathura) 9, Agra (Cwc) (dist Agra) 9, Auraiya (Cwc) (dist Auraiya) 9, Mawana (dist Meerut) 8, Bilari (dist Moradabad) 8, Pawayan (dist Shahjahanpur) 8, Aonla (dist Bareilly) 8, Sasani (dist Hathras) 8;
- ❖ **East Uttar Pradesh:** Dhaurahara (dist Kheri) 15, Palliakalan (dist Kheri) 9, Muhammadi (dist Kheri) 7;
- ❖ **Haryana & Chandigarh:** Nagina Rev (dist Nuh) 15, Palwal (dist Palwal) 13, Mandkhola Aws (dist Nuh) 12, Sohana (dist Gurgaon) 12, Nuh (dist Nuh) 12, Taoru (dist Nuh) 12, Faridabad (dist Faridabad) 11, Ballabgarh (dist Faridabad) 10, Jhirka (dist Nuh) 10, Gurgaon Aws (dist Gurgaon) 10, Hodal (dist Palwal) 9, Punhana (dist Nuh) 9, Hathin (dist Palwal) 8, Gurgaon Rev (dist Gurgaon) 8, Manethi Rev (dist Rewari) 7;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Jhallong 15, Mazitar 12, Rongo 10, Pakyong 10, Mangan (PTO) 8, Tadong 7;
- ❖ **Telangana:** Kukatpally Jntu(arg) (dist M. Malkajgiri) 13;
- ❖ **West Madhya Pradesh:** Porsa (dist Morena) 11, Morena-aws (dist Morena) 11, Sabalgarh (dist Morena) 11, Mehgaon (dist Bhind) 10, Gormi (dist Bhind) 8, Neemuch-aws (dist Neemuch) 8, Dhar-aws (dist Dhar) 8, Gohad (dist Bhind) 8, Vijaypur (adp) (dist Sheopur) 8, Alipur (jaura) (dist Morena) 7;
- ❖ **Delhi:** SPS Mayur Vihar (dist East Delhi) 11, Pusa AWS (dist Central Delhi) 10, Aya Nagar (dist South Delhi) 9, Lodi Road (dist New Delhi) 9, Safdarjung (dist New Delhi) 7, Sports Complex AWS (dist Northeast Delhi) 7;
- ❖ **West Rajasthan:** Parbatsar (dist Nagaur) 11;
- ❖ **Assam & Meghalaya:** Dhubri (CWC) (dist Dhubri) 11, Chouldhowaghat (dist Lakhimpur) 10, Badatighat (dist Lakhimpur) 9; Williamnagar (dist East Garo Hills) 8, TIKRIKILLA (dist West Garo Hills) 7;

- ❖ **Uttarakhand:** Nainital & Mukteshwar (dist Nainital) 10 each, Lohaghat (dist Champawat) 9, Pithoragarh (dist Pithoragarh) 9, Pantnagar (dist Udham Singh Nagar) 9, Almora (dist Almora) 8, Banbasa (dist Champawat) 8, Betalghat & Haldwani (dist Nainital) 8 each, Champawat (dist Champawat) 7, Kashipur (dist Udham Singh Nagar) 7;
- ❖ **Punjab:** Ranjit Sagar Dam Site (dist Pathankot) 9;
- ❖ **Tamil Nadu:** Sholingur (dist Ranipet) 9, Budalur (dist Thanjavur) 9, Rameswaram (dist Ramanathapuram) 8, Sivakasi RDO office (dist Virudhunagar) 7, R.S.Mangalam (dist Ramanathapuram) 7;
- ❖ **Gujarat Region:** Karjan (dist Vadodara) 7;
- ❖ **Coastal Andhra Pradesh:** Kalingapatnam (dist Srikakulam) 7;
- ❖ **Arunachal Pradesh:** Itanagar (dist Papumpare) 7;





IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall very likely over Uttarakhand, West Uttar Pradesh and Tamil Nadu on 09th and over Sub-Himalayan West Bengal & Sikkim on 09th & 10th 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.

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

