



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

**Press Release  
Date: 25<sup>th</sup> September, 2022  
Time of Issue: 1300 hrs IST**

**Subject: (i) Isolated heavy rains with thunderstorm/lightning over Himachal Pradesh, Uttarakhand and north Uttar Pradesh on 25<sup>th</sup> September, 2022 and reduction thereafter.  
(ii) Sub-duded rainfall activity over plains of Northwest and Central India during next 5 days.**

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

**Withdrawal of Southwest Monsoon**

- The line of withdrawal of Southwest Monsoon passes through Khajuwala, Bikaner, Jodhpur and Naliya.

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

- A Low Pressure Area lies over north Punjab & neighbourhood in lower to mid-tropospheric levels.
- A trough runs from cyclonic circulation associated with Low Pressure Area lies over north Punjab & neighbourhood to southeast Bihar across Uttar Pradesh in lower tropospheric levels.
- A Western Disturbance as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 70°E to the north of Lat. 27°N.
- **Under the influence of above systems:**
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Himachal Pradesh and Uttarakhand on 25<sup>th</sup> September, 2022.
  - Scattered/fairly widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Jammu & Kashmir, Ladakh, north Punjab, northeast Haryana and north Uttar Pradesh on 25<sup>th</sup> September, 2022.
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Bihar on 25<sup>th</sup> and over Sub-Himalayan West Bengal & Sikkim on 25<sup>th</sup>, 27<sup>th</sup> & 28<sup>th</sup> and Odisha on 27<sup>th</sup> September, 2022. **Isolated very heavy rainfall also likely over Sub-Himalayan West Bengal & Sikkim on 25<sup>th</sup> September, 2022.**
  - Fairly widespread/Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh on 25<sup>th</sup> & 26<sup>th</sup> and Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 25<sup>th</sup>-27<sup>th</sup> September, 2022.

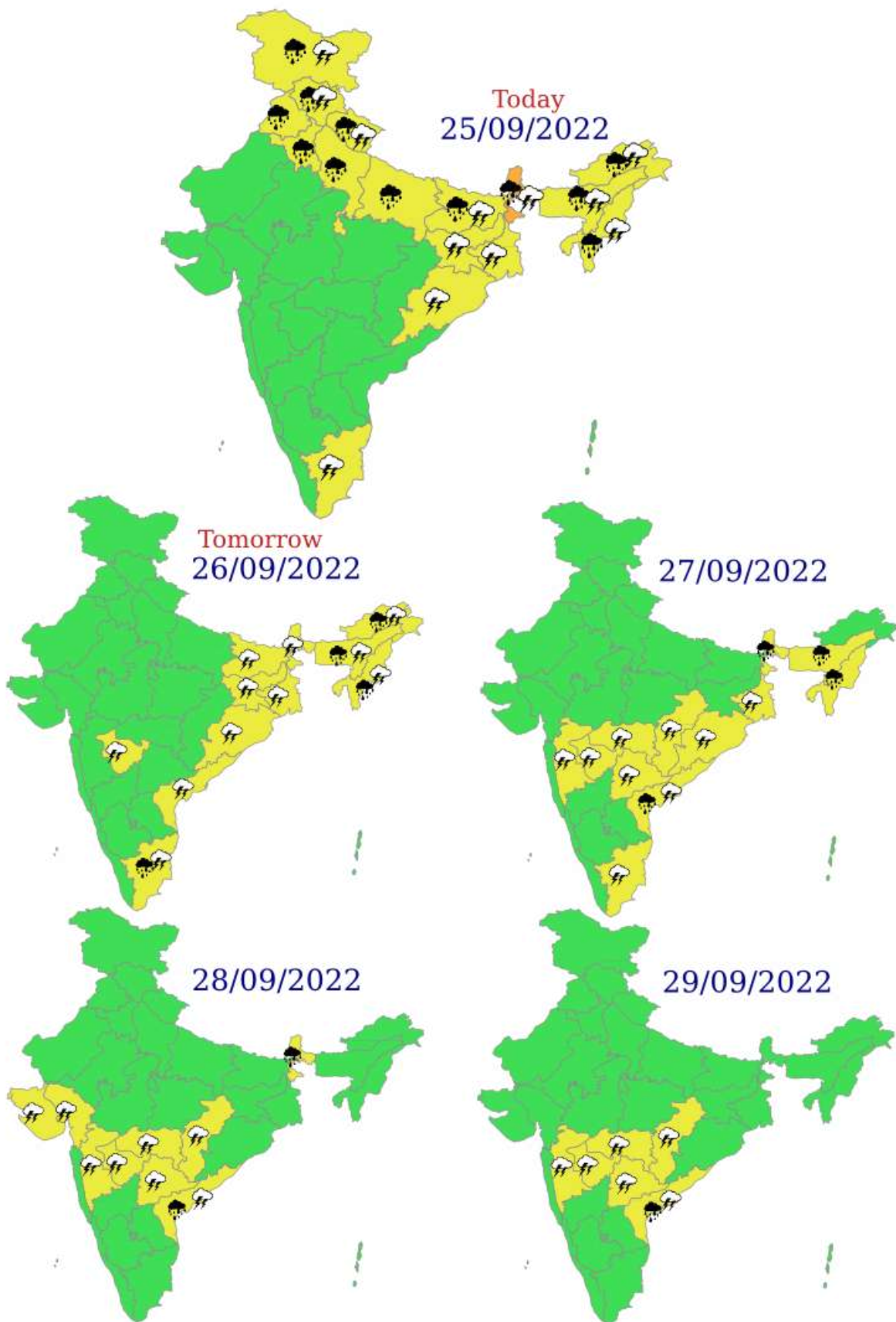
For more details kindly refer:

[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)

**Extremely heavy rainfall** occurred at isolated places over Haryana and West Uttar Pradesh; **Very heavy rainfall** at isolated places over Uttarakhand, Punjab, Chandigarh, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya and **heavy rainfall** at isolated places over East Rajasthan, Himachal Pradesh, Delhi, Odisha and Arunachal Pradesh.

#### Rainfall (in cm):

- ❖ **West Uttar Pradesh:** Baheri (Dist Bareilly) 23, Bilaspur (Dist Rampur) 13, Pilibhit (Dist Pilibhit) 12, Kanth (Dist Moradabad) 12, Moradabad (Dist Moradabad) 11, Dampur & Nagina (Dist Bijnore) 10, Nawabganj & Mir Ganj (Dist Bareilly) 9;
- ❖ **Haryana:** Rattia (dist Fatehabad) 21, Fatehabad Aws (dist Fatehabad) 19, Rohtak (dist Rohtak) 17, Fatehabad (dist Fatehabad) 14, Chandigarh (dist Chandigarh) 12, Beri (dist Jhajjar) 12, Chandigarh Aws (dist Chandigarh) 12, Pataudi (dist Gurgaon) 11, Ambala (dist Ambala) 11, Uklana Rev (dist Hisar) 11, Chandigarh Iaf (dist Chandigarh) 10, Ambala Rev (dist Ambala) 10, Khedijalab Rev (dist Hisar) 10, Ismailabad (dist Kurukshetra) 10;
- ❖ **Punjab:** Bul Irr (dist Ludhiana) 19, Doraha Irr (dist Ludhiana) 18, Kapurthala (dist Kapurthala) 17, Ludhiana (dist Ludhiana) 15, Ludhiana Irr (dist Ludhiana) 14, Khanna (dist Ludhiana) 14, Bhadson Irr (dist Patiala) 14, Balachaur (dist Sbs Nagar) 13, Nawanshahr (dist Sbs Nagar) 13, Nabha (dist Patiala) 13, Fatehgarh Sahib Aws (dist Fatehgarh Sahib) 13, Amloh Arg (dist Fatehgarh Sahib) 13, Patiala Rev (dist Patiala) 13, Amloh (dist Fatehgarh Sahib) 12, Sirhind (dist Fatehgarh Sahib) 12, Jagraon (dist Ludhiana) 12, Adampur Arg (dist Jalandhar) 12, Kharar (dist Sas Nagar (mohali)) 11, Ballawal Saunkri (dist Sbs Nagar) 11, Dhuri (dist Sangrur) 11, Nabha Arg (dist Patiala) 11, Rajpura (dist Patiala) 11, Ludhiana Aws (dist Ludhiana) 11, Malerkotla (dist Sangrur) 10, Mansa (dist Mansa) 10, Phagwara (dist Kapurthala) 10, Patiala (dist Patiala) 10;
- ❖ **Sub-Himalayan West Bengal:** Sevoke 18, Falakata 12, NH- 31(Road Bridge) 11, Alipurduar (P.T.O.) 11, Neora 10, Hasimara 9, Bagrakote 9, Jalpaiguri 8, Murti 8, Buxaduar 7;
- ❖ **Sikkim:** Yuksom (ARG) 18, Mangan (PTO) 13;
- ❖ **Assam:** Chouldhuaghat (ARG) (dist Lakhimpur) 15, Kokrajhar (dist Kokrajhar) 7;
- ❖ **Meghalaya:** Williamnagar (AWS) (dist East Garo Hills) 15,
- ❖ **Uttarakhand:** Kashipur (dist Udham Singh Nagar) 13, Pantnagar (dist Udham Singh Nagar) 11, Sama (dist Bageshwar) 9, Pithoragarh (dist Pithoragarh) 8, Lohaghat and Banbasa (dist Champawat) 7 each; Haldwani, Mukteshwar & Nainital (dist Nainital) 7 each;
- ❖ **Delhi:** Jafarpur AWS (dist South West Delhi) 11;
- ❖ **Arunachal Pradesh:** Bhalukpong (dist West Kameng) 11;
- ❖ **Odisha:** Kantapada (dist Cuttack) 10, Tirtol (dist Jagatsinghpur) 9, Samakhunta (dist Mayurbhanj) 8, Balikuda (dist Jagatsinghpur) 7;
- ❖ **Himachal Pradesh:** Una (dist Una) 8, Nahan (dist Sirmaur) 8;
- ❖ **East Rajasthan:** Deeg SR (dist Bharatpur) 10.



## IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated **very heavy rainfall** over **Sub-Himalayan West Bengal & Sikkim on 25<sup>th</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.)



**Heavy Rain**



**Strong Winds**



**Thunderstorm with Lightning**

**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