



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

**Press Release
Date: 04th October, 2022
Time of Issue: 1230 hrs IST**

**Subject: (i) Intense rainfall spell likely to commence over Uttar Pradesh from 05th to 08th and over Uttarakhand on 06th to 08th October, 2022.
(ii) Heavy rainfall spell over Odisha, Coastal Andhra Pradesh, Chhattisgarh and Madhya Pradesh during next 3 days.**

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

Withdrawal of Southwest Monsoon (Annex II)

- The withdrawal line of Southwest Monsoon continues to pass through Long. 79.0°E/ Lat. 31.7° N, Uttarkashi, Naziabad, 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 low pressure area lies over Westcentral Bay of Bengal off Andhra Pradesh coast. It is very likely to move west-northwestwards towards Andhra Pradesh coast during next 24 hours.
- A trough runs from the cyclonic circulation associated with the above low pressure area to Northwest Uttar Pradesh in lower tropospheric levels.
- **Under the influence of above systems;**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Odisha and Chhattisgarh during 04th-06th; West Bengal & Sikkim and Jharkhand on 04th; Bihar on 04th & 05th; West Madhya Pradesh on 06th & 07th; East Madhya Pradesh during 04th - 07th October, 2022. **Isolated very heavy rainfall also very likely over Odisha on 04th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Uttarakhand during 06th - 08th; West Uttar Pradesh during 05th – 08th; East Uttar Pradesh during 04th – 08th October, 2022. **Isolated very heavy rainfall very likely over Uttarakhand and West Uttar Pradesh on 06th & 08th; over East Uttar Pradesh during 05th – 07th October, 2022. Isolated extremely heavy falls also likely over Uttarakhand and northwest Uttar Pradesh on 07th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Coastal Andhra Pradesh & Yanam during 04th - 06th; Telangana on 05th & 06th; Rayalaseema and South Interior Karnataka on 08th; over north Tamilnadu on 07th & 08th October, 2022. **Isolated very heavy rainfall also very likely over Coastal Andhra Pradesh & Yanam on 05th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh on 07th - 08th; Assam & Meghalaya on 04th & 08th and over Nagaland, Manipur, Mizoram & Tripura on 04th October, 2022.

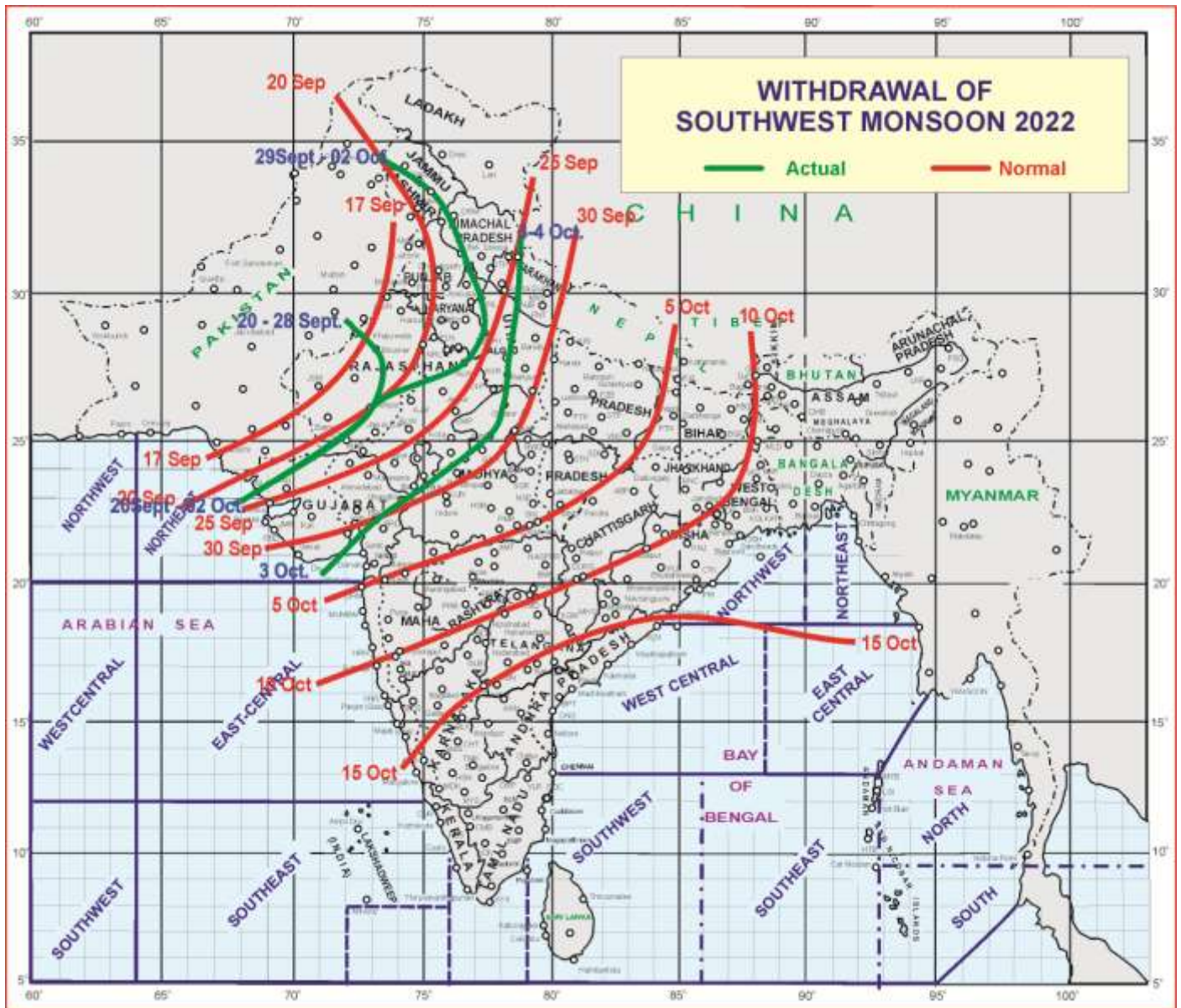
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

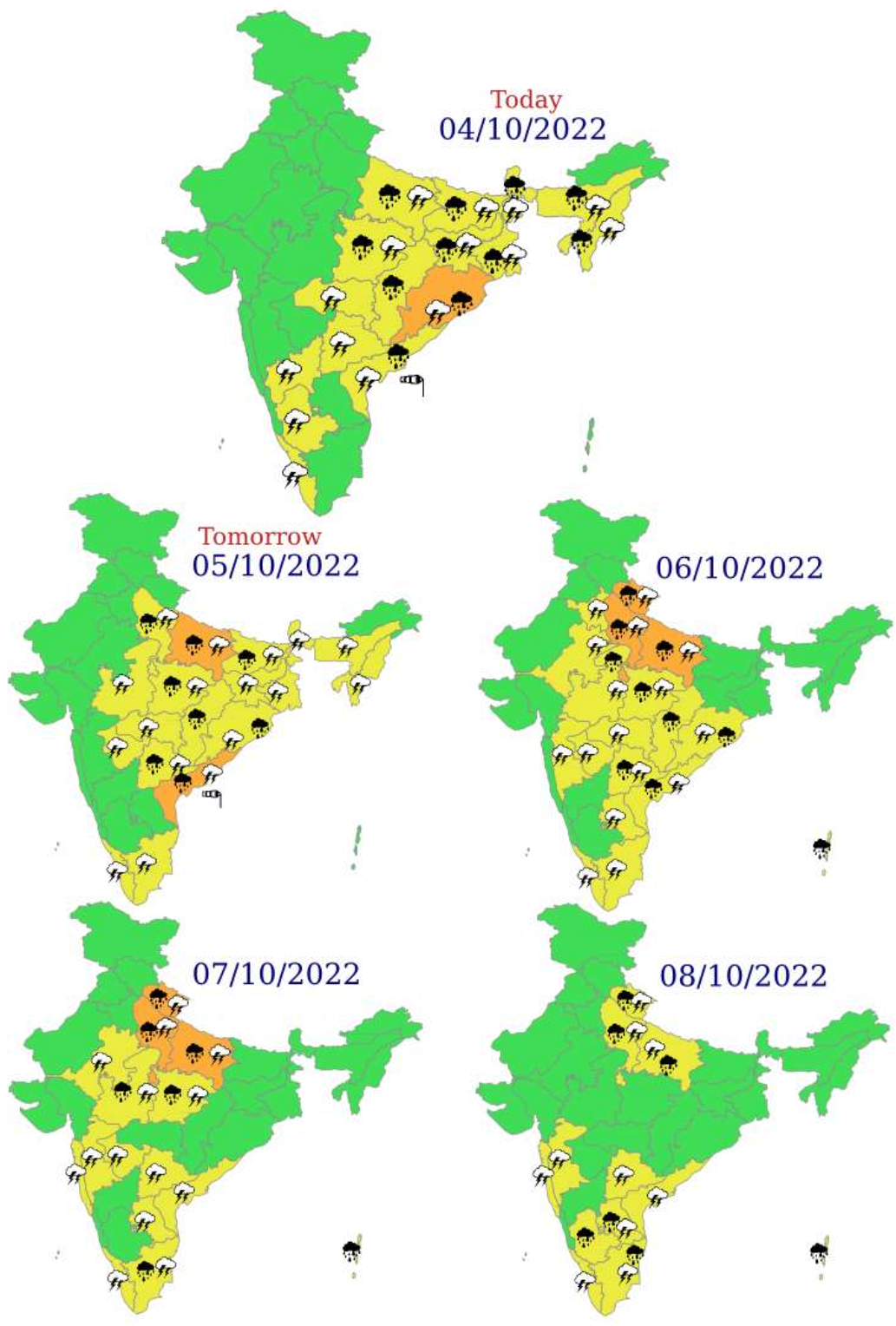
Annexure I

Isolated very heavy rainfall occurred over Odisha and **heavy rainfall** over Mizoram & Manipur, Jharkhand, West Bengal & Sikkim.

Rainfall (in cm):

- ❖ **Odisha:** Puri: Kakatpur-16; Jagatsinghpur: Balikuda-14; Naugaon-13; Bhadrak: Basudevpur-10; Balasore: Bhograi-7 each.
- ❖ **Jharkhand:** Garhwa: Dhurki-7;
- ❖ **West Bengal:** Tarakeswar: 11; Digha: 7; Raigunj: 7;
- ❖ **NNMT:** Aizwal: Thingsulthiah(Arg) – 7; Bishnupur: Moirang(Arg)-7.





IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

(i) Isolated very heavy rainfall also very likely over Odisha on 04th; over Coastal Andhra Pradesh on 05th; over East Uttar Pradesh during 05th-07th and over Uttarakhand & West Uttar Pradesh on 06th October, 2022.

(ii) Isolated extremely heavy falls over Uttarakhand and northwest Uttar Pradesh on 07th 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)

-  Heavy Rain
-  Strong Winds

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

 **Thunderstorm with Lightning**