



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

**Press Release
Date: 01st October, 2022
Time of Issue: 1245 hrs IST**

Subject: Increase in rainfall activity over East India from 2nd October, 2022.

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 Jammu, Una, Chandigarh, Karnal, Baghpat, Delhi, Alwar, Jodhpur and Nalia.

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

- A cyclonic circulation lies over Westcentral Bay of Bengal off Andhra Pradesh coast in lower & middle tropospheric levels.
- A cyclonic circulation is likely to emerge into northeast & adjoining eastcentral Bay of Bengal during next 24 hours.
- Under the influence of above systems
 - Scattered to widespread light/moderate rainfall with **isolated heavy falls** very likely over Odisha during 01st-05th; over Gangetic West Bengal during 02nd -05th; over Jharkhand on 03rd & 04th; over East Madhya Pradesh, Bihar & Chhattisgarh on 04th & 05th; over Sub-Himalayan West Bengal & Sikkim on 04th and over Vidarbha on 05th 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 Coastal Andhra Pradesh & Yanam on 01st-05th; over Tamil Nadu, Puducherry & Karaikal on 01st & 02nd; over North Interior Karnataka on 01st ; South Interior Karnataka on 02nd on October 2022.
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Andaman & Nicobar Islands on 01st & 04th; over Assam & Meghalaya on 02nd-04th and over Nagaland, Manipur, Mizoram & Tripura on 01st-3rd October, 2022.

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

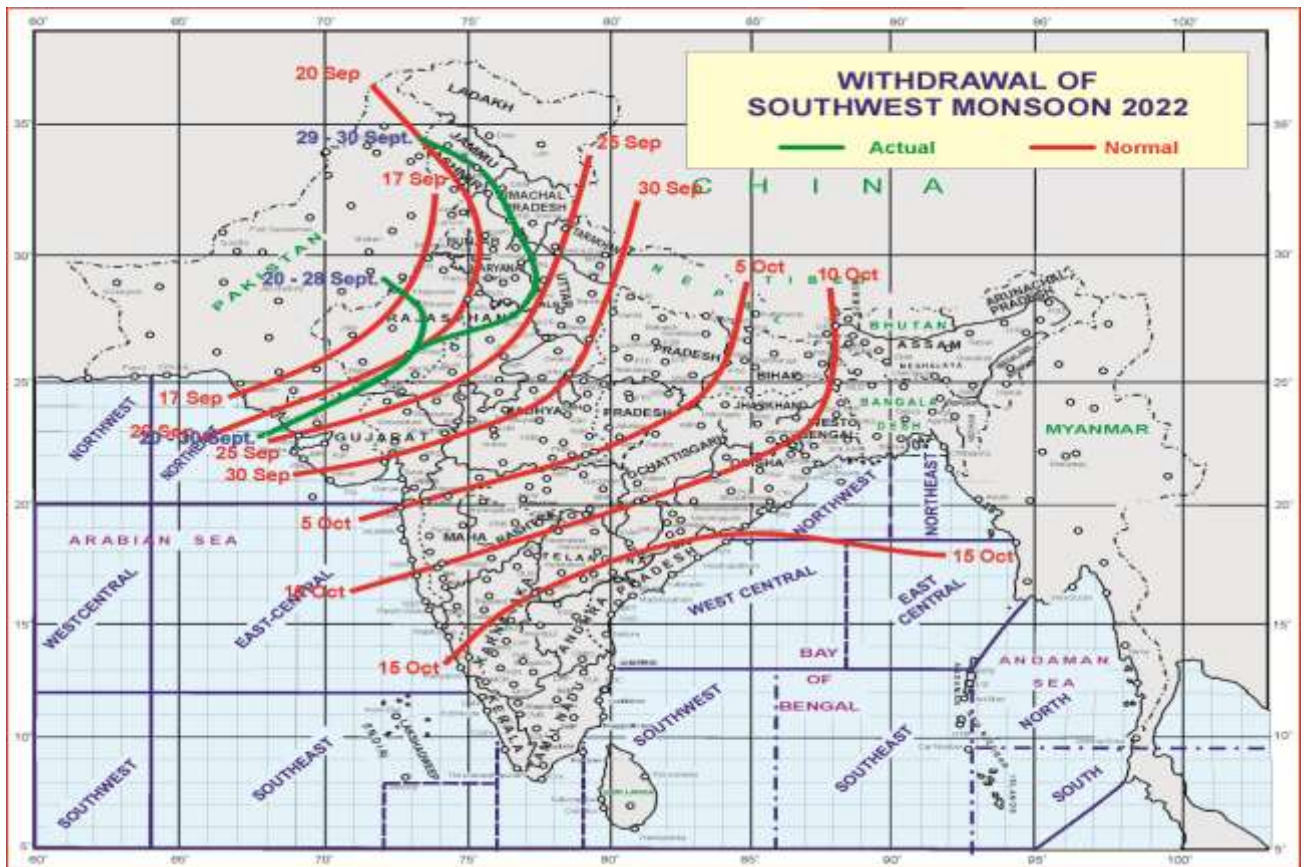
Annexure I

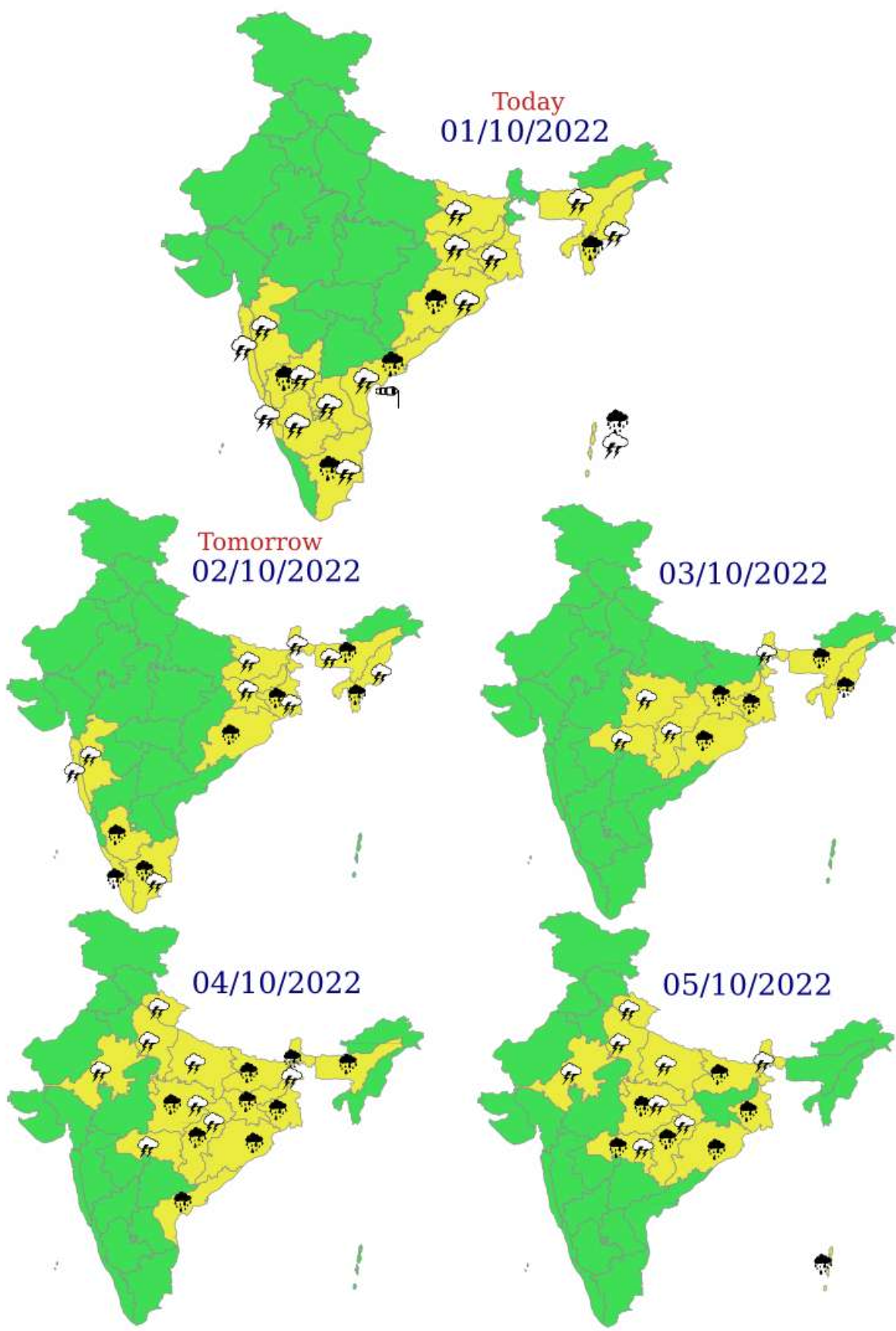
Isolated very heavy rainfall occurred over Coastal Andhra Pradesh and **Heavy rainfall** occurred at isolated places over North Interior Karnataka, Telangana, Madhya Maharashtra & Tripura.

Rainfall (in cm):

- ❖ **Coastal Andhra Pradesh & Yanam:** Addanki (dist Prakasam) 18, Masulipatnam Cdr (dist Krishna) 11, Karamchedu (dist Prakasam) 8, Markapur (dist Prakasam) 8, Macherla (dist Guntur) 7.
- ❖ **North Interior Karnataka:** Shirahatti (dist Gadag) 10;
- ❖ **Telangana:** Vangoor (dist Nagarkurnool) 9;

Annexure II





IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall also very likely over Odisha on 04th 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



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