



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

**Press Release
Date: 30th September, 2022
Time of Issue: 1230 hrs IST**

**Subject: (i) Isolated heavy rainfall spell over South Peninsular India during next 24 hours and decrease significantly thereafter.
(ii) Increase in rainfall activity with isolated heavy spell 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 tropospheric levels.
- An east-west trough runs from cyclonic circulation over Westcentral Bay of Bengal off Andhra Pradesh coast to Coastal Karnataka in lower tropospheric levels.
- A cyclonic circulation is likely to emerge into northeast & adjoining eastcentral Bay of Bengal around 01st October, 2022.
- Under the influence of above systems
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal on 30th September-01st October; Telangana, Rayalaseema and Karnataka on 30th September 2022. **Isolated very heavy rainfall also very likely over Rayalaseema on 30th September, 2022.**
 - Scattered to fairly widespread light/moderate rainfall with **isolated heavy falls** very likely over East Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim on 4th October; over Jharkhand on 03rd & 4th; over Gangetic West Bengal during 02nd - 4th; over Odisha during 01st – 04th October, 2022. **Isolated very heavy rainfall also very likely over Odisha on 03rd & 4th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Andaman & Nicobar Islands on 30th, 01st, 03rd & 04th; Assam & Meghalaya on 02nd, 03rd & 04th and over Nagaland, Manipur, Mizoram & Tripura on 01st, 02nd & 3rd October, 2022.

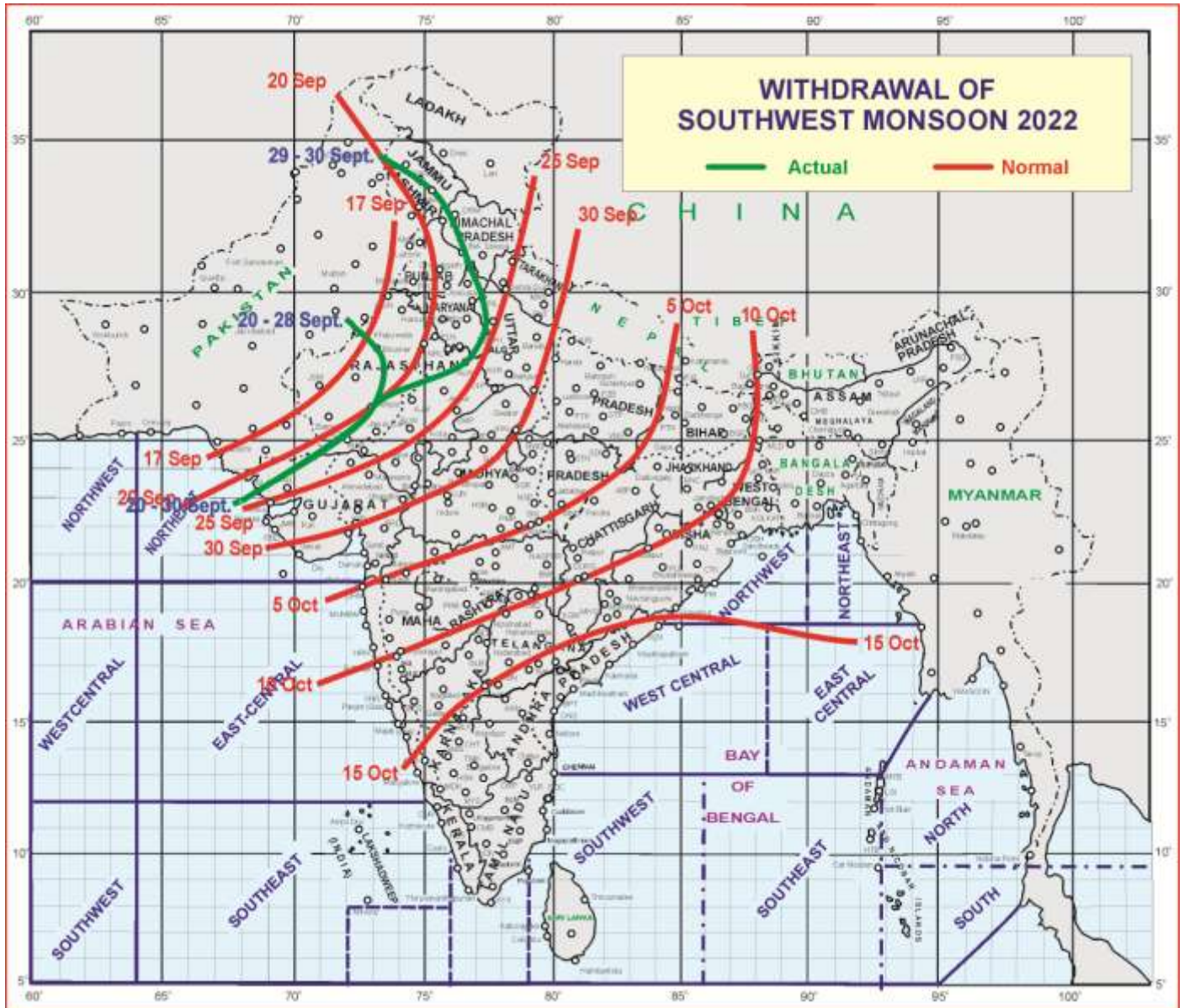
For more details kindly refer:

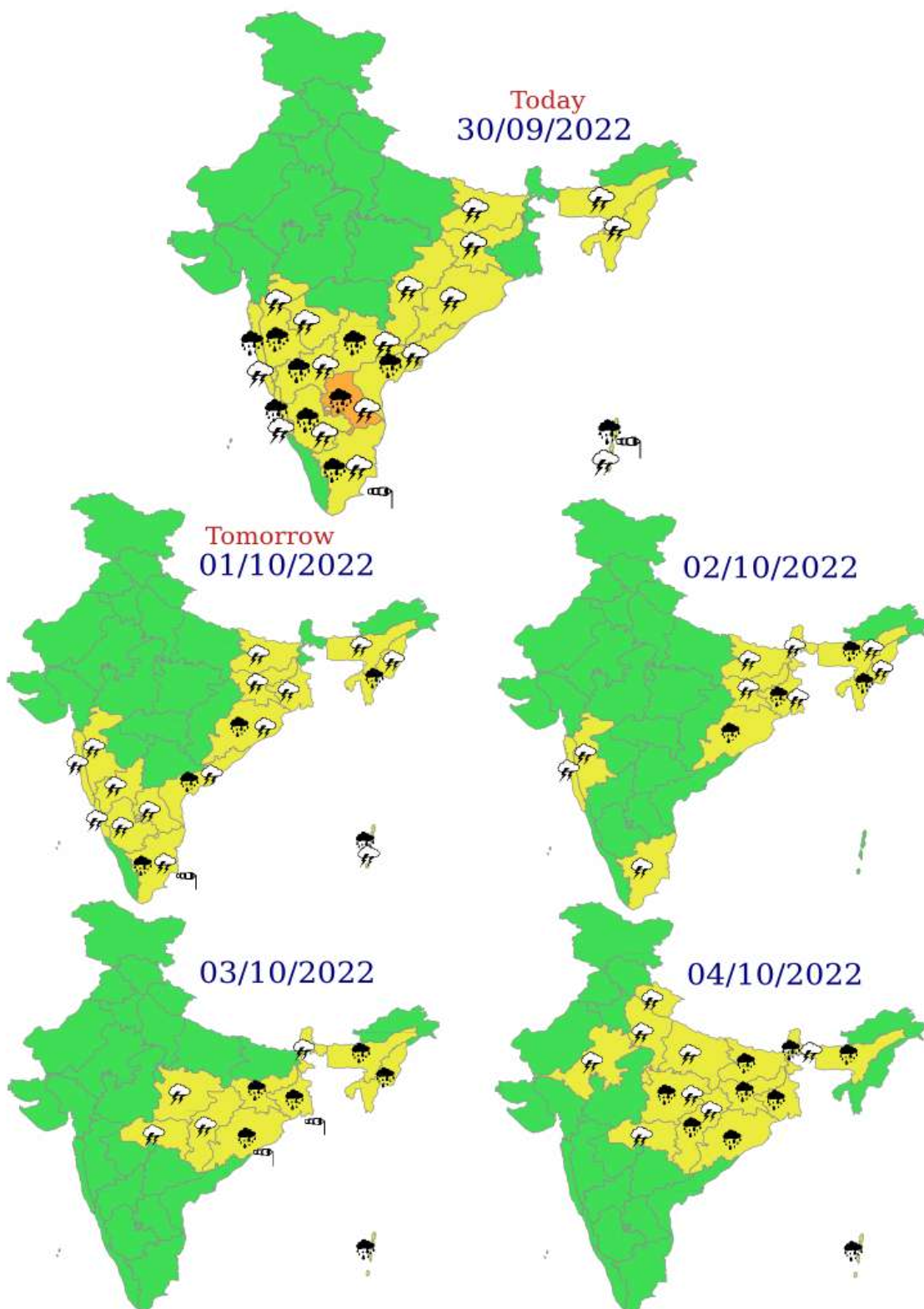
https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

Isolated very heavy rainfall occurred over Telangana and **Heavy rainfall** occurred at isolated places over Rayalaseema, Interior Karnataka and Odisha.

Rainfall (in cm):

- ❖ **Telangana:** Mahbubnagar (dist Mahabubnagar) 13, Kodakandla (dist Jangaon) 11, Doma (dist Vikarabad) 8, Pochampalle (dist Y. Bhuvanagiri) 7, Devaruppal (dist Jangaon) 7, Vangoor (dist Nagarkurnool) 7.
- ❖ **Rayalaseema:** Devanakonda (dist Kurnool) 7, Jammalamadugu (dist Ysr District) 7.
- ❖ **North Interior Karnataka:** Yelburga (dist Koppal) 11, Bevoor (dist Koppal) 8, Munirabad (dist Koppal) 8.
- ❖ **South Interior Karnataka:** Hagaribommanahalli (dist Ballari) 8.
- ❖ **Odisha:** Keonjhar: Keonjhargarh-8; Koraput: Pottangi-8; Rayagada: Padmapur-7; Sambalpur: Kuchinda-7.





IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall over Rayalaseema on 30th September & over Odisha on 03rd & 4th 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)



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