



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

**Press Release
Date: 03rd October, 2022
Time of Issue: 1330 hrs IST**

**Subject: (i) Intense rainfall spell likely to commence over Himachal Pradesh, Uttarakhand and Uttar Pradesh from 05th October for subsequent 2-3 days.
(ii) Heavy rainfall spell over most parts of east & northeast India during next 3-4 days.**

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

Withdrawal of Southwest Monsoon (Annex II)

- The Southwest Monsoon has further withdrawn from the most parts of North Arabian Sea, most parts of Gujarat Region, some parts of West Madhya Pradesh and Uttarakhand; remaining parts of Saurashtra & Kutch, Rajasthan, Haryana, Himachal Pradesh and Jammu, Kashmir & Ladakh and some more parts of West Uttar Pradesh.
- The withdrawal line of Southwest Monsoon now passes 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 & neighborhood. It is very likely to move west-northwestwards towards Andhra Pradesh coast during next 2 days.
- A trough runs from the cyclonic circulation associated with the above low pressure area to Bangladesh in lower and middle tropospheric levels.
- **Under the influence of above systems;**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Odisha during 03rd-06th; West Bengal & Jharkhand on 03rd & 04th; Bihar during 03rd-05th; east Madhya Pradesh during 05th-07th; northwest Madhya Pradesh on 06th & 07th and Chhattisgarh during 04th-06th October, 2022. **Isolated very heavy rainfall also very likely over Bihar, sub-Himalayan west Bengal & Sikkim and Odisha on 04th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Himachal Pradesh & Uttarakhand on 06th & 07th; over northwest Uttar Pradesh during 05th-07th; and East Uttar Pradesh during 04th-07th October, 2022. **Isolated very heavy rainfall also very likely over Uttarakhand from 06th to 08th; West Uttar Pradesh on 06th & 07th; East Uttar Pradesh during 05th-07th October, 2022. Isolated extremely heavy falls also very 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 03rd -06th; Kerala & Mahe on 03rd and over Telangana on 05th & 06th October, 2022.
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh during 05th-07th; Assam &

Meghalaya on 03rd, 04th & 07th and over Nagaland, Manipur, Mizoram & Tripura on 03rd & 04th October, 2022.

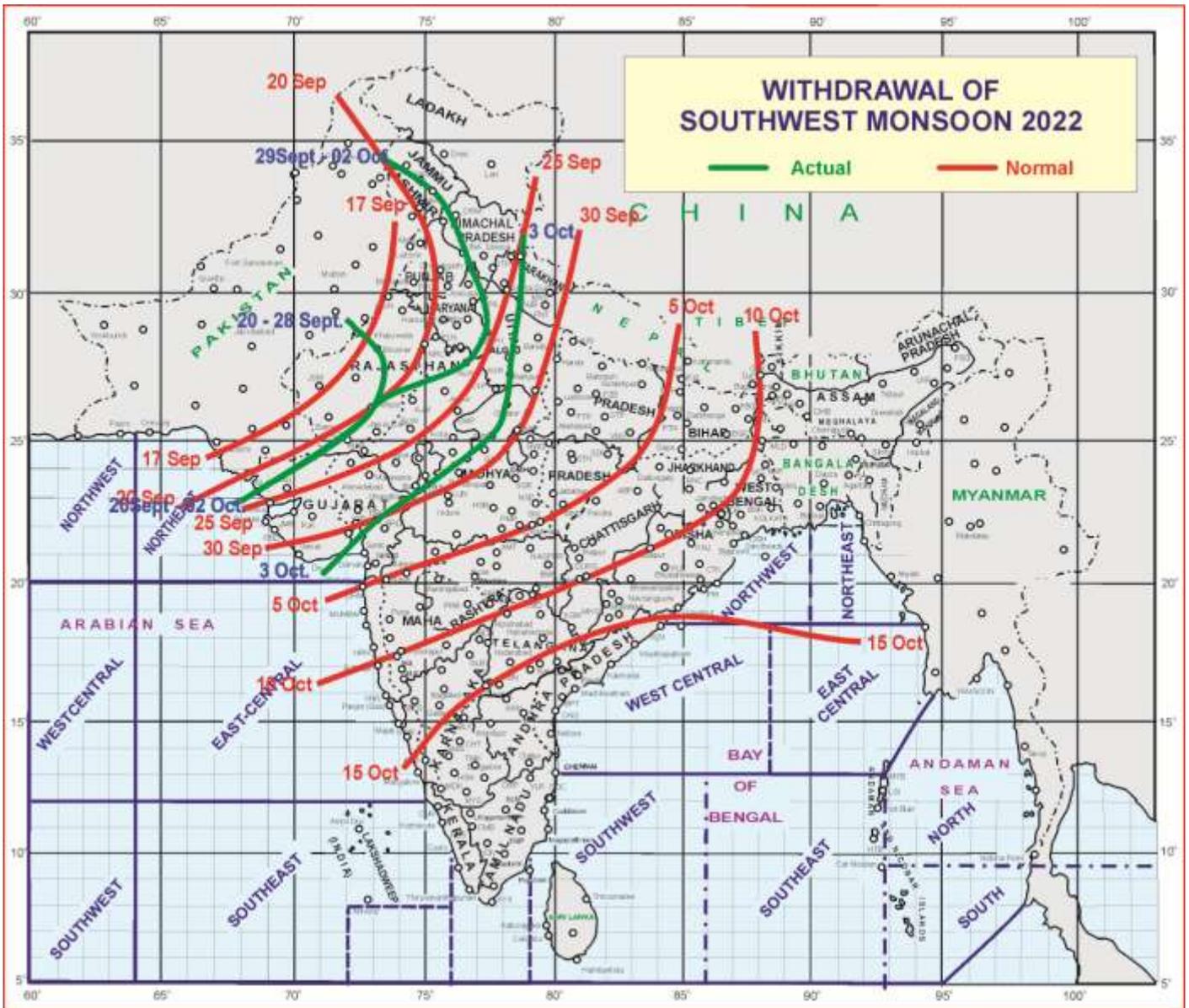
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

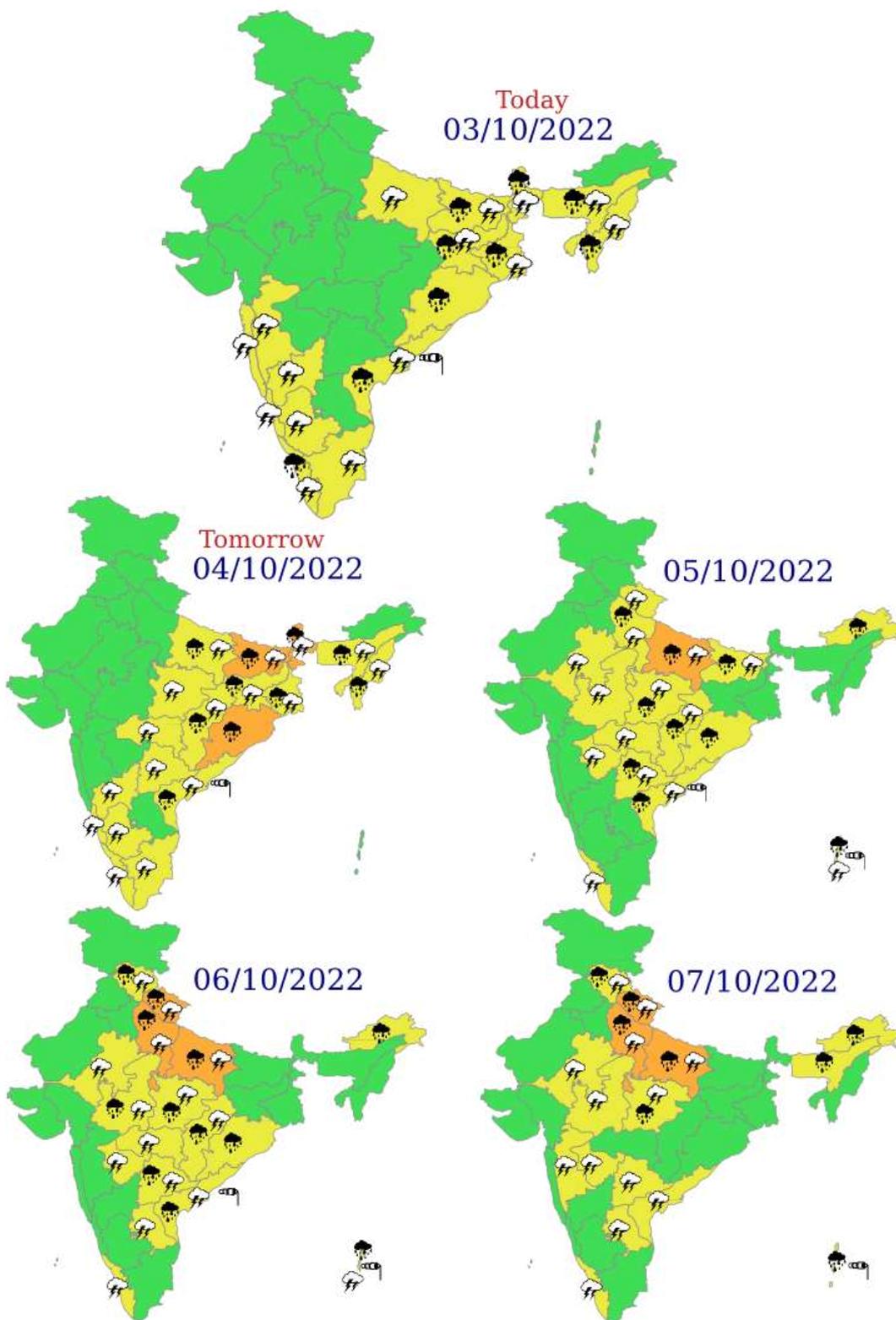
Annexure I

Isolated heavy rainfall occurred over Odisha, Jharkhand, Meghalaya, Tripura and Kerala & Mahe.

Rainfall (in cm):

- ❖ **Kerala & Mahe:** Palakkad 11, Malampuzha Dam (Palakkad district) 11, Peerumedu (Idukki district) & Kuppady (Wayanad district) 9 each;
- ❖ **Tripura:** Agartala 8;
- ❖ **Odisha:** Jamsolaghat (dist Mayurbhanj) 7;
- ❖ **Jharkhand:** Barkisuriya (dist Giridih) 7;
- ❖ **Meghalaya:** Cherrapunji 7.





IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

(i) Isolated very heavy rainfall also very likely over Bihar, sub-Himalayan west Bengal & Sikkim and Odisha on 04th; Uttarakhand & northwest Uttar Pradesh on 06th & 07th; over East Uttar Pradesh during 05th-07th 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)



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