



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

**Press Release**  
**Date: 05<sup>th</sup> October, 2022**  
**Time of Issue: 1230 hrs IST**

**Subject: (i) Intense rainfall spell over Uttar Pradesh and Uttarakhand during 06<sup>th</sup> to 08<sup>th</sup> with peak intensity on 07<sup>th</sup> October, 2022.**  
**(ii) Heavy rainfall spell likely over Odisha, Coastal Andhra Pradesh, Chhattisgarh and Madhya Pradesh during next 2-3 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, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3° N.

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

- The **Low Pressure Area** over Westcentral Bay of Bengal & adjoining Andhra Pradesh has become less marked. However, the associated cyclonic circulation now lies over Coastal Andhra Pradesh & neighbourhood in lower tropospheric levels.
- The trough runs from above cyclonic circulation over Coastal Andhra Pradesh & neighbourhood to Uttarakhand across Chhattisgarh, East Madhya Pradesh & central Uttar Pradesh in lower tropospheric levels.
- A cyclonic circulation lies over central parts of south Bay of Bengal in middle tropospheric levels.
- **Under the influence of above systems;**
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Bihar and Chhattisgarh during 05<sup>th</sup>; Odisha on 05<sup>th</sup> & 06<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 05<sup>th</sup>, 08<sup>th</sup> & 09<sup>th</sup>; East Madhya Pradesh during 05<sup>th</sup>-07<sup>th</sup> and Andaman & Nicobar Islands and West Madhya Pradesh during 06<sup>th</sup>-08<sup>th</sup> October, 2022.
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Uttarakhand and West Uttar Pradesh during 06<sup>th</sup>-08<sup>th</sup> and East Uttar Pradesh during 05<sup>th</sup>-09<sup>th</sup> October, 2022. **Isolated very heavy rainfall very likely over Uttarakhand and West Uttar Pradesh on 06<sup>th</sup> & 08<sup>th</sup> and over East Uttar Pradesh during 06<sup>th</sup>-08<sup>th</sup> October, 2022. Isolated extremely heavy falls also likely over Uttarakhand and northwest Uttar Pradesh on 07<sup>th</sup> October, 2022.**
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu during 05<sup>th</sup>-09<sup>th</sup>; Coastal Andhra Pradesh & Yanam on 05<sup>th</sup>, 06<sup>th</sup>, 08<sup>th</sup> & 09<sup>th</sup>; Rayalaseema on 05<sup>th</sup>, 08<sup>th</sup> & 09<sup>th</sup>; Telangana on 05<sup>th</sup> & 06<sup>th</sup> and Interior Karnataka on 09<sup>th</sup> October, 2022. **Isolated very heavy rainfall also very likely over Coastal Andhra Pradesh & Yanam on 05<sup>th</sup> October, 2022.**
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh and Assam & Meghalaya on 05<sup>th</sup>, 08<sup>th</sup> & 09<sup>th</sup> and over Nagaland, Manipur, Mizoram & Tripura on 08<sup>th</sup> & 09<sup>th</sup> October, 2022.

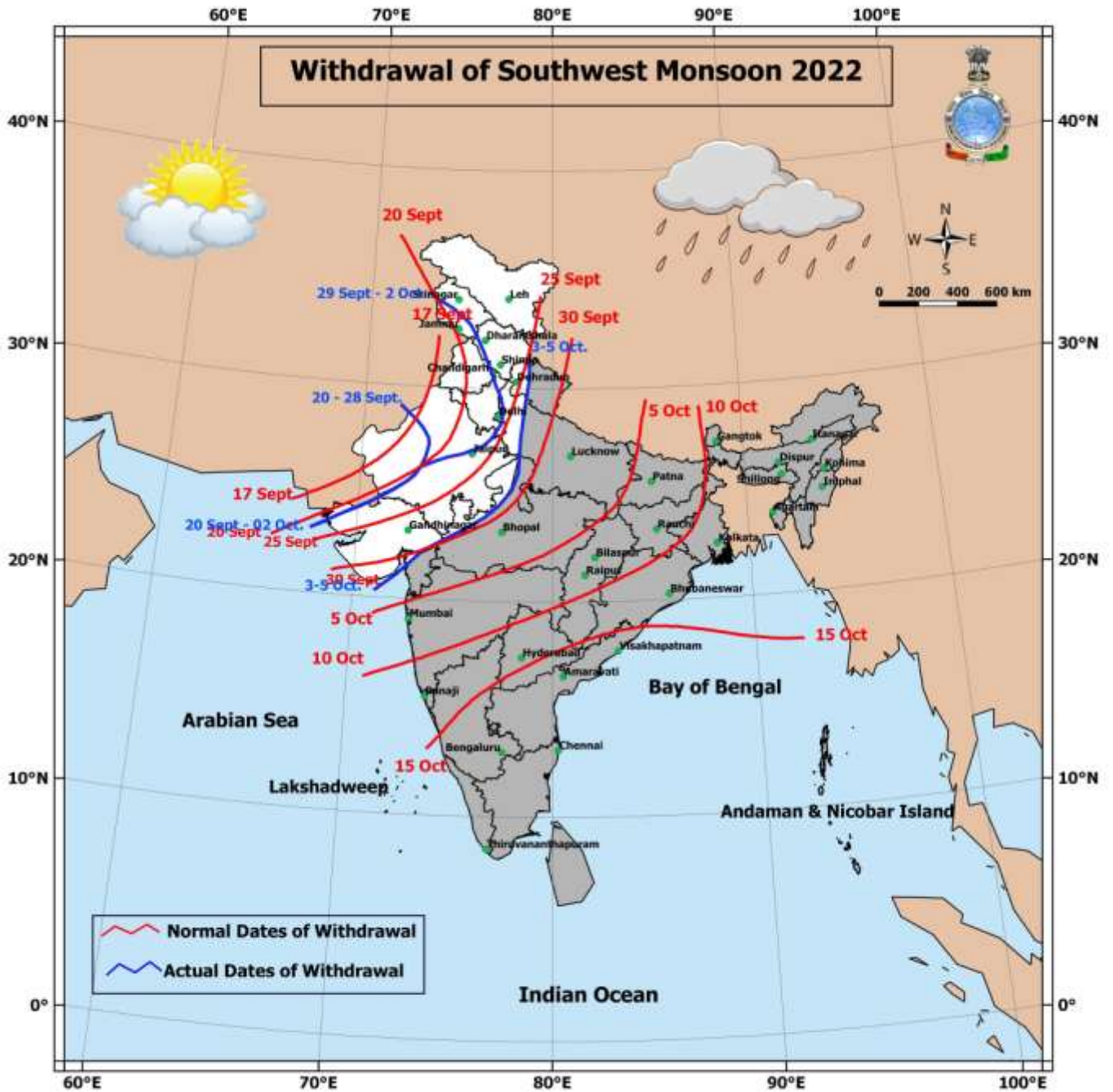
For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

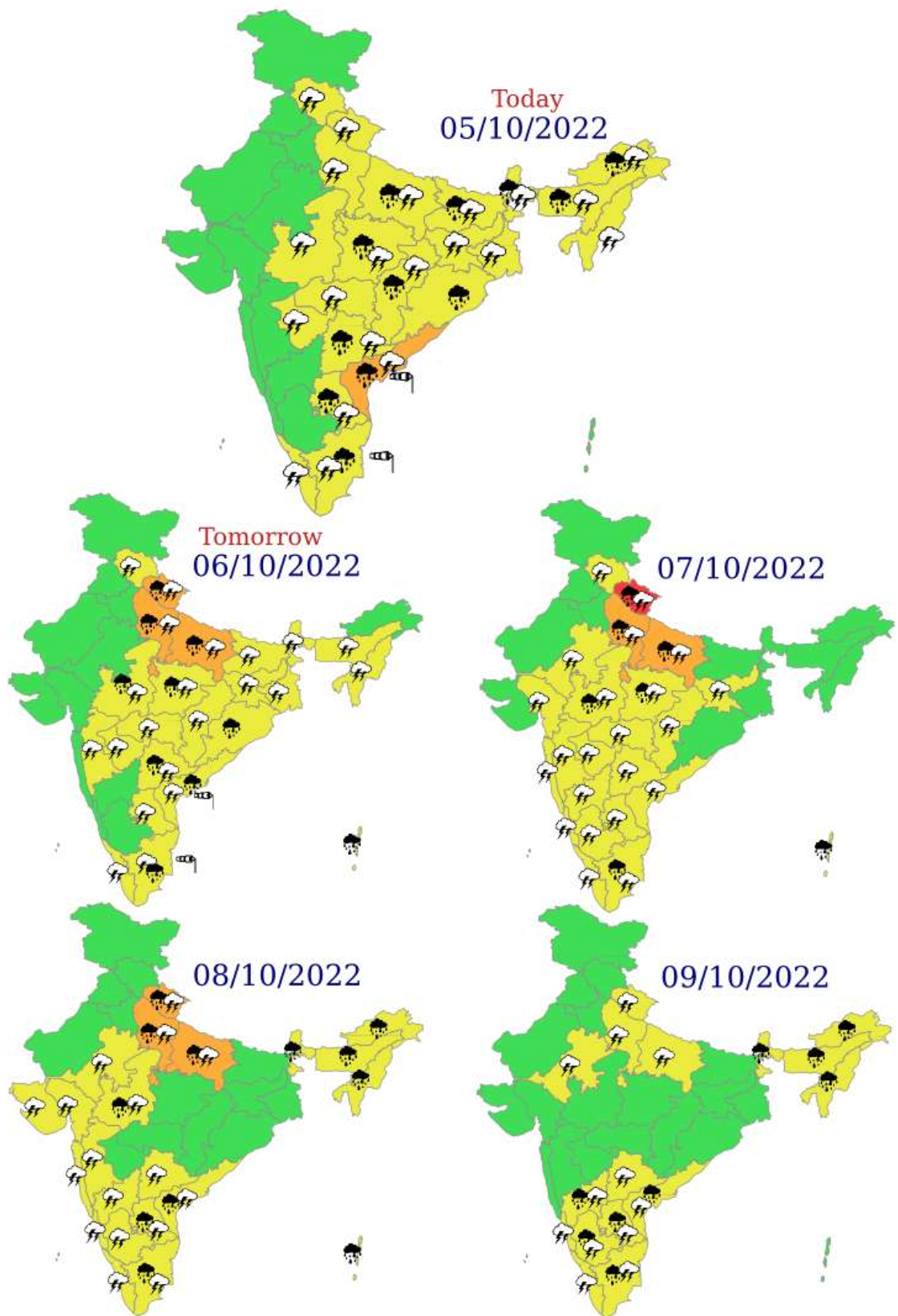
## Annexure I

**Isolated very heavy rainfall** occurred over Coastal Andhra Pradesh and Odisha and **heavy rainfall** over Chhattisgarh, East Uttar Pradesh, East Madhya Pradesh, Bihar, Sub-Himalayan West Bengal, Jharkhand, Coastal Karnataka and Kerala.

### Rainfall (in cm):

- ❖ **Coastal Andhra Pradesh:** Palasa (dist Srikakulam) 13, Tekkali (dist Srikakulam) 9, Sompeta (dist Srikakulam) 7;
- ❖ **Odisha:** Gosani (Gajapati) 13, Tihidi (Bhadrak) 13, Berhampur (Ganjam)11, Renuka & Bahanga (Balasore) 9, Kantapada (Cuttack) 9, Barkote (Deogarh)9, Nimapara (Puri)9, Naktideul (Sambalpur)9, Kalinga (Kandhamal)8, Derabis & Garadapur (Kendrapara) 8 each;
- ❖ **Chhattisgarh:** Odagi (dist Surajpur) 11;
- ❖ **East Uttar Pradesh:** Bahraich (dist Bahraich) 11, Bhinga (dist Shrawasti) 10;
- ❖ **East Madhya Pradesh:** Bahri (dist Sidhi) 11, Lavkushnagar (dist Chhatarpur) 11, Pawai (dist Panna) 8, Gonour (dist Panna) 8, Amanganj (dist Panna) 7;
- ❖ **Bihar:** Sabour Bhagalpur 11 ; Khagadia Khagaria 11; Kursela Katihar 10; Tarapur Monghyr 9; Dharhara Monghyr 9; Udai Kishanganj Madhepura 9; Kodawanpur/C.B li Begusarai 8; Suryagadha Lakhisarai 8 ; Nauhatta Saharsa 8; Bhagalpur Bhagalpur 8;
- ❖ **Sub-Himalayan West Bengal:** Raigunj: 10;
- ❖ **Jharkhand:** Rajmahal & Borio (Dist Sahibganj) 7 each;
- ❖ **Coastal Karnataka:** Subramanya (dist Dakshina Kannada) 7;
- ❖ **Kerala:** Poonjar AWS (Kottayam district) 7.





## **IMPACT EXPECTED & ACTION SUGGESTED DUE TO-**

**(i) Isolated very heavy rainfall also very likely over Coastal Andhra Pradesh on 05<sup>th</sup>; East Uttar Pradesh during 05<sup>th</sup>-07<sup>th</sup> and over Uttarakhand & West Uttar Pradesh on 06<sup>th</sup> & 08<sup>th</sup> October, 2022.**

**(ii) Isolated extremely heavy falls over Uttarakhand and northwest Uttar Pradesh on 07<sup>th</sup> 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.

<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)



**Thunderstorm with Lightning**

<b>WARNING</b>
WARNING (TAKE ACTION)
ALERT ( BE PREPARED)
WATCH (BE UPDATED)
NO WARNING ( NO ACTION)

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75