



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

**Press Release  
Date: 15<sup>th</sup> October, 2022  
Time of Issue: 1300 hrs IST**

**Subject: (i) Conditions are very likely to become favourable for further withdrawal of Southwest Monsoon from some more parts of Vidarbha, Chhattisgarh, Maharashtra and Jharkhand, some parts of interior Odisha and entire West Bengal during next 2 days.**

**(ii) Isolated Heavy to very heavy rainfall spell likely to continue over south Peninsular India during next 5 days.**

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

**Withdrawal of Southwest Monsoon: (Withdrawal Map in Annexure II)**

- **Southwest Monsoon** has further withdrawn from entire Bihar, entire Sikkim, entire Meghalaya, entire Madhya Pradesh, some parts of Assam, Tripura and West Bengal, some more parts of Vidarbha, Chhattisgarh and Maharashtra. The withdrawal line of Southwest Monsoon now passes through 28.6°N, 93.6°E, Lumding, Kailashahar, Berhampore, Kanke, Bilaspur, Brahmapuri, Buldana, Dahanu, Long. 71.0° E/Lat. 19.5° N.
- Conditions are very likely to become favourable for further withdrawal of **Southwest Monsoon** from some more parts of Vidarbha, Chhattisgarh, interior Maharashtra and Jharkhand, some parts of interior Odisha and entire West Bengal during next 2 days.

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

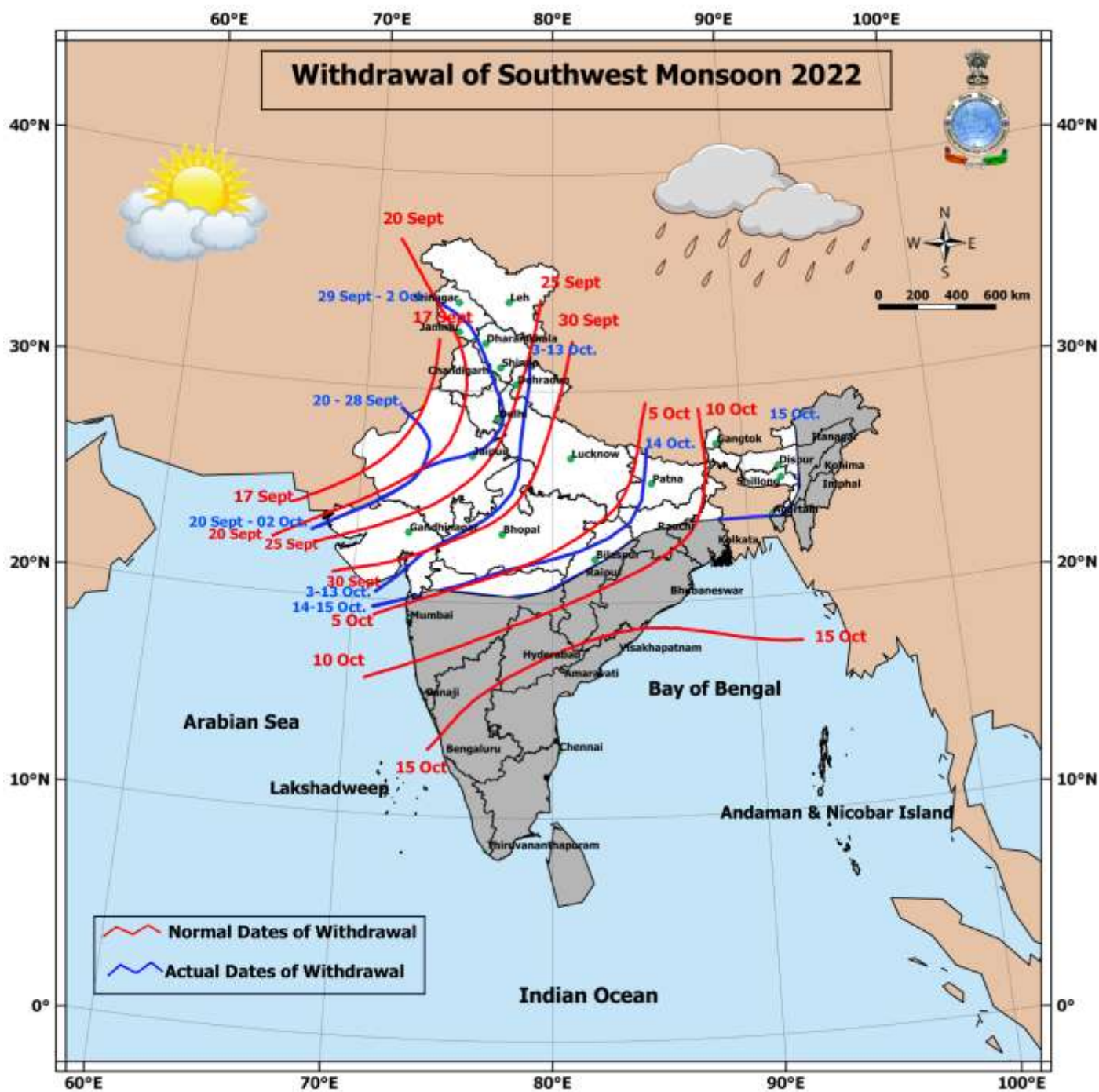
- A cyclonic circulation lies over westcentral & adjacent southwest Bay of Bengal in lower tropospheric levels. It is likely to move westwards across south peninsular India during next 2-3 days.
- A cyclonic circulation is likely to form over north Andaman Sea & neighbourhood around 18th October 2022. It would move west northwestwards towards westcentral and adjoining southwest Bay of Bengal becoming low pressure area around 20th October, 2022.
- **Under the influence of above systems;**
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 15<sup>th</sup>-19<sup>th</sup>; over Interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup>; over Rayalaseema & Telangana on 15<sup>th</sup> and over Coastal Andhra Pradesh on 15<sup>th</sup> & 18<sup>th</sup> October, 2022. **Isolated very heavy rainfall also likely over Coastal Andhra Pradesh on 15<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal and South interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup> and Kerala & Mahe on 17<sup>th</sup> & 18<sup>th</sup> October, 2022.**
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Andaman & Nicobar Islands during 16<sup>th</sup>-19<sup>th</sup> October, 2022.
  - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Madhya Maharashtra and Konkan & Goa Islands on 16<sup>th</sup>&17<sup>th</sup> October, 2022
  - **Dry weather very likely to prevail over most parts of Northwest & central India.**

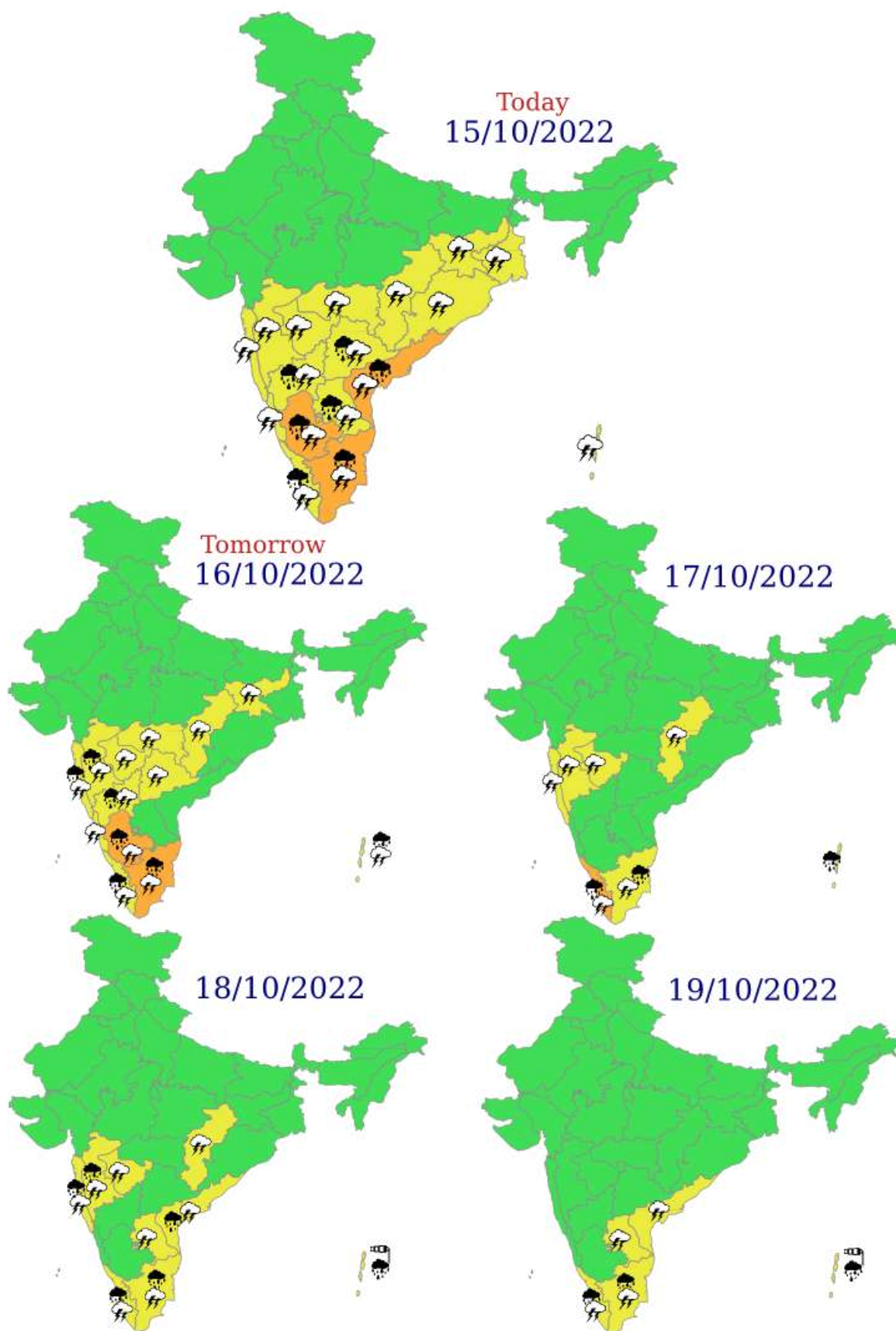
For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

- ❖ **Isolated very heavy rainfall occurred over** Coastal Andhra Pradesh & Yanam, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Coastal Arunachal Pradesh & Yanam and **heavy rainfall** over Marathwada, Kerala & Lakshadweep, Madhya Maharashtra, Telangana and North Interior Karnataka.

### Rainfall (in cm):

- ❖ **Marathwada:** Pathri (dist Parbhani) 9, Ashti (dist Beed) 8, Purna (dist Parbhani) 7, Gangakhed (dist Parbhani) 7.
- ❖ **Kerala & Lakshadweep:** Peerumedu (Idukki district) 9.
- ❖ **Coastal Andhra Pradesh & Yanam:** Amalapuram (dist East Godavari) 15, Visakhapatnam (dist Vishakhapatnam) 11, Polavaram (dist West Godavari) 10, Guntur (dist Guntur) 9, Yanam (dist Yanam) 9, Kakinada (dist East Godavari) 9, Vepada (dist Vizianagaram) 7, Narsapuram (dist West Godavari) 7, Visakhapatnam Ap (dist Vishakhapatnam) 7, Yelamanchili (dist Vishakhapatnam) 7, Avanigada (dist Krishna) 7.
- ❖ **Konkan & Goa:** Valpoi (dist North Goa) 11.
- ❖ **Madhya Maharashtra:** Imd Obsy (dist Pune) 8, Paud Mulshi (dist Pune) 7, Sangamner (dist Ahmednagar) 7, Shrirampur (dist Ahmednagar) 7.
- ❖ **Telangana:** Kondapak (dist Siddipet) 9, Mulug (dist Mulugu) 9, Venkatapur (dist Mulugu) 9, Govindaraopet (dist Mulugu) 8, Gambhiraopet (dist Rajanna Sircilla) 7, Dharmasagar (dist Warangal\_urban) 7, Banswada (dist Kamareddy) 7, Siddipet(arg) (dist Siddipet) 7, Atmakurwrgl (dist Warangal\_rural) 7, Sadasivanagar (dist Kamareddy) 7, Bejjanki (dist Siddipet) 7, Karimnagar (dist Karimnagar) 7.
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Tirupuvanam (Dist Sivaganga) 12, Tirumayam (Dist Pudukkottai) 11, Tirupathur (Dist Sivaganga) 11, Bhavani (Dist Erode) 10, Denkanikottai (Dist Krishnagiri) 10, Natham (Dist Dindigul) 9, Kovilankulam (Dist Virudhunagar) 9, Vepur (Dist Cuddalore) 9, Madurai South (Dist Madurai) 8, Virudunagar Aws (Dist Virudhunagar) 8, Harur (Dist Dharmapuri) 8, Sholayar (Dist Coimbatore) 7, Kurinjipadi (Dist Cuddalore) 7, Hosur (Dist Krishnagiri) 7, Tallakulam & Viraganur Dam (Dist Madurai) 7, Labbaikudikadu (Dist Perambalur) 7.
- ❖ **North Interior Karnataka:** Manthala (dist Bidar) 8;
- ❖ **South Interior Karnataka:** Mandya Pto (dist Mandya) 17, Malur (dist Kolar) 8, Hagaribommanahalli (dist Ballari) 7.





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

**(i) Isolated very heavy rainfall very likely over Coastal Andhra Pradesh on 15<sup>th</sup>; Tamil Nadu, Puducherry & Karaikal and South interior Karnataka on 15<sup>th</sup> & 16<sup>th</sup> and Kerala & Mahe on 17<sup>th</sup> & 18<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