



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

**Press Release  
Date: 17<sup>th</sup> October, 2022  
Time of Issue: 1300 hrs IST**

**Subject: (i) A Low Pressure Area is likely to form over southeast & adjoining eastcentral Bay of Bengal around 20<sup>th</sup> October, 2022.**

**(ii) 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 48 hours.**

**(iii) Isolated Heavy rainfall spell likely to continue over parts of 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)**

- The withdrawal line of Southwest Monsoon 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 48 hours.

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

- A cyclonic circulation lies over southeast Arabian Sea & adjoining Kerala coast in lower tropospheric levels and a trough runs from this cyclonic circulation to southwest Bay of Bengal in lower tropospheric levels.
- A cyclonic circulation lies over south Andaman Sea & neighbourhood and extends upto 3.1 km above mean sea level. Under its influence, a Low Pressure Area is likely to form over southeast & adjoining eastcentral Bay of Bengal around 20<sup>th</sup> October. It is likely to move west-northwestwards towards westcentral & adjoining southwest Bay of Bengal and become more marked during subsequent 48 hours.
- **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 17<sup>th</sup>-21<sup>st</sup>; over South Interior Karnataka on 17<sup>th</sup>, 20<sup>th</sup> & 21<sup>st</sup>; over Coastal Karnataka on 20<sup>th</sup> & 21<sup>st</sup> and over Lakshadweep during 17<sup>th</sup>-20<sup>th</sup> October, 2022.
  - Widespread light/moderate rainfall with **isolated heavy falls** very likely over Andaman & Nicobar Islands during 17<sup>th</sup>-21<sup>st</sup> October, 2022.
  - Scattered/fairly widespread light/moderate rainfall with **isolated heavy falls** very likely over Madhya Maharashtra and Konkan & Goa on 17<sup>th</sup> October, 2022.
  - **Dry weather very likely to prevail over most parts of Northwest & central India.**

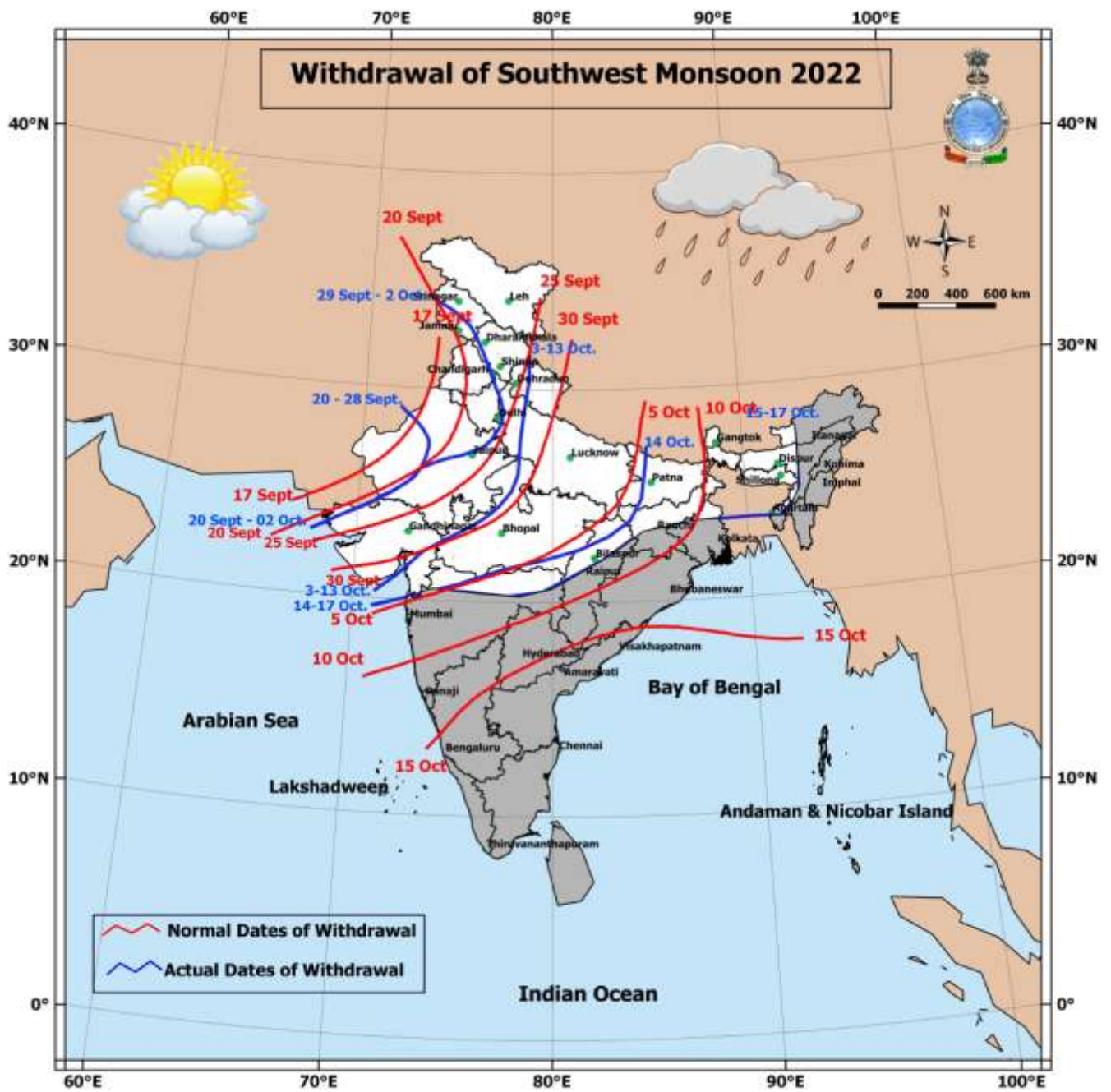
For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

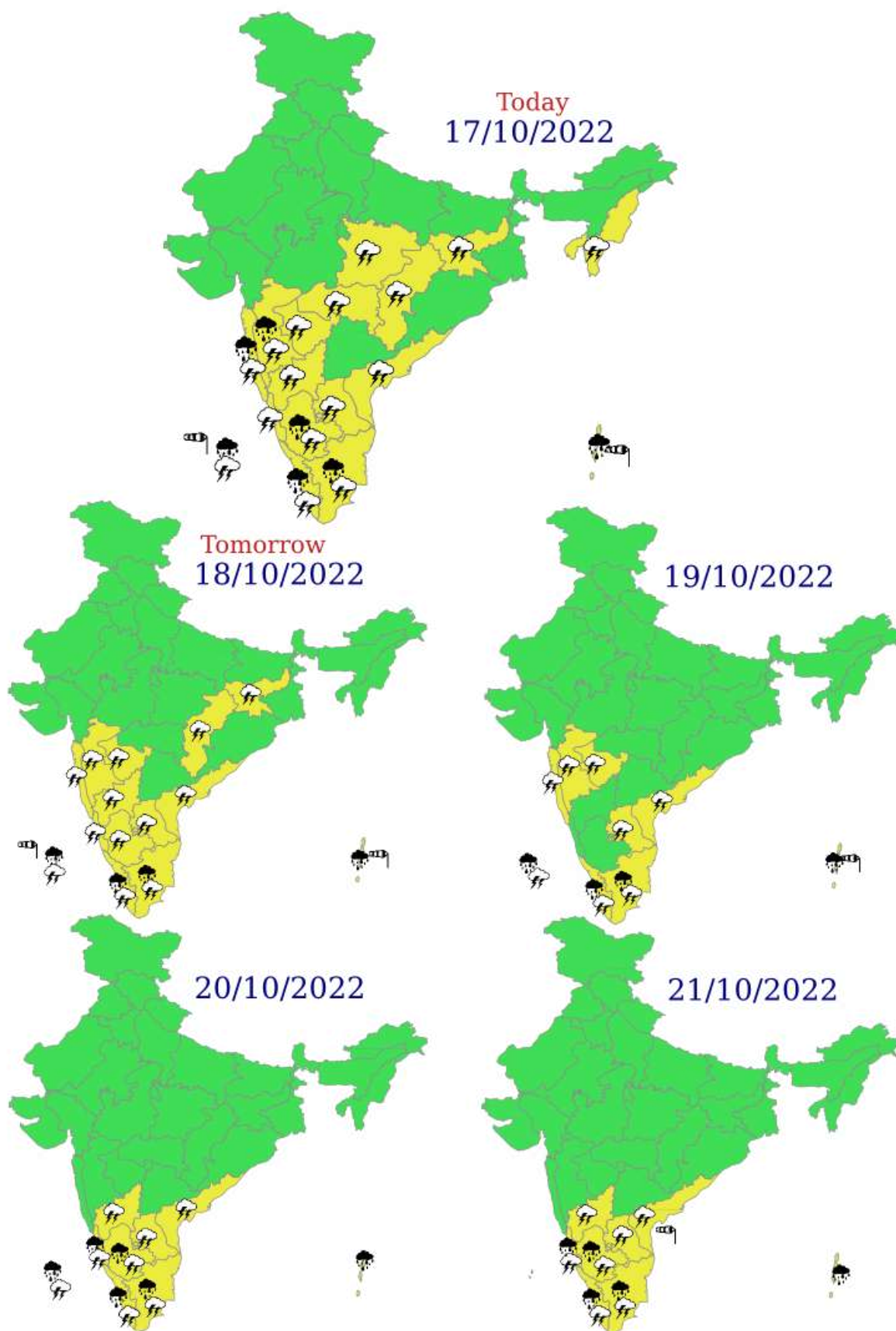
## Annexure I

- ❖ **Isolated very heavy rainfall occurred over** Tamil Nadu and **heavy rainfall** over Konkan & Goa, Marathawada, Rayalaseema and Kerala.

### Rainfall (in cm):

- ❖ **Tamil Nadu:** Kudithangi (dist Cuddalore) 13, Valparai PAP (dist Coimbatore) 13, Namakkal (dist Namakkal) 11, Mylaudy (dist Kanniyakumari) 9, Yethapur (dist Salem) 9, Mohanur (dist Namakkal) 9, Palacode (dist Dharmapuri) 9;
- ❖ **Kerala:** Neryamangalam (dist Ernakulam) 10, Kanjirapuzha (dist Palakkad) 7;
- ❖ **Rayalaseema:** Uravakonda (dist Anantapuramu) 8,
- ❖ **Konkan & Goa:** Kankavli (dist Sindhudurg) 11, Mulde\_ Agri (dist Sindhudurg) 8,
- ❖ **Marathawada:** Osmanabad Imd Part time (dist Osmanabad) 9.





**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)



<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

