



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

**Press Release
Date: 16th 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 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, Brahmपुरi, 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 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 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 16th-20th; over South Interior Karnataka on 16th & 17th; over Coastal & North Interior Karnataka on 16th and over Lakshadweep during 18th-20th October, 2022. **Isolated very heavy rainfall also likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe on 20th October, 2022.**
 - Widespread light/moderate rainfall with **isolated heavy falls** very likely over Andaman & Nicobar Islands during 16th-20th October, 2022.
 - Scattered/fairly widespread light/moderate rainfall with **isolated heavy falls** very likely over Madhya Maharashtra and Konkan & Goa on 17th October, 2022.
 - **Dry weather very likely to prevail over most parts of Northwest & central India.**

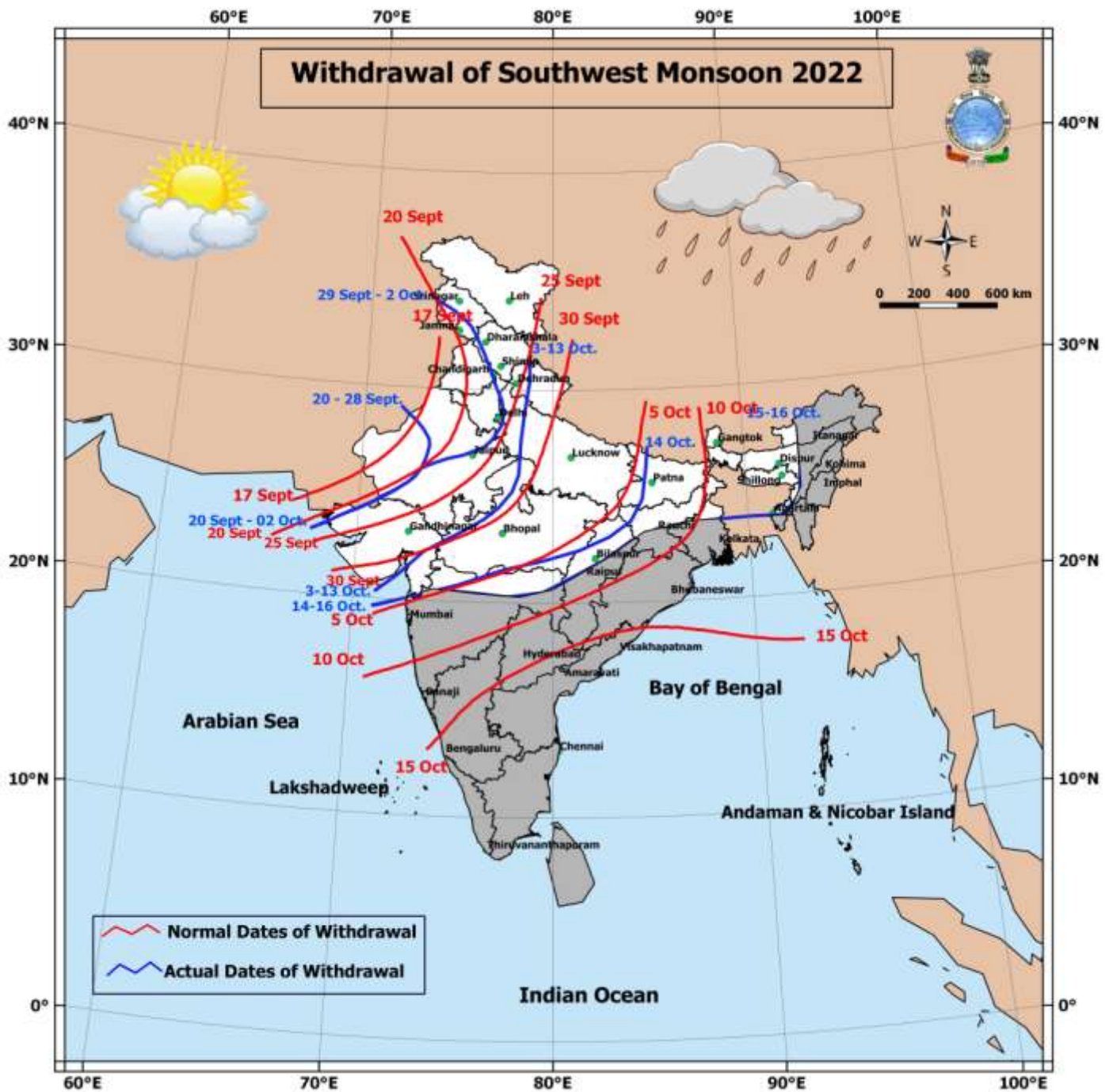
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

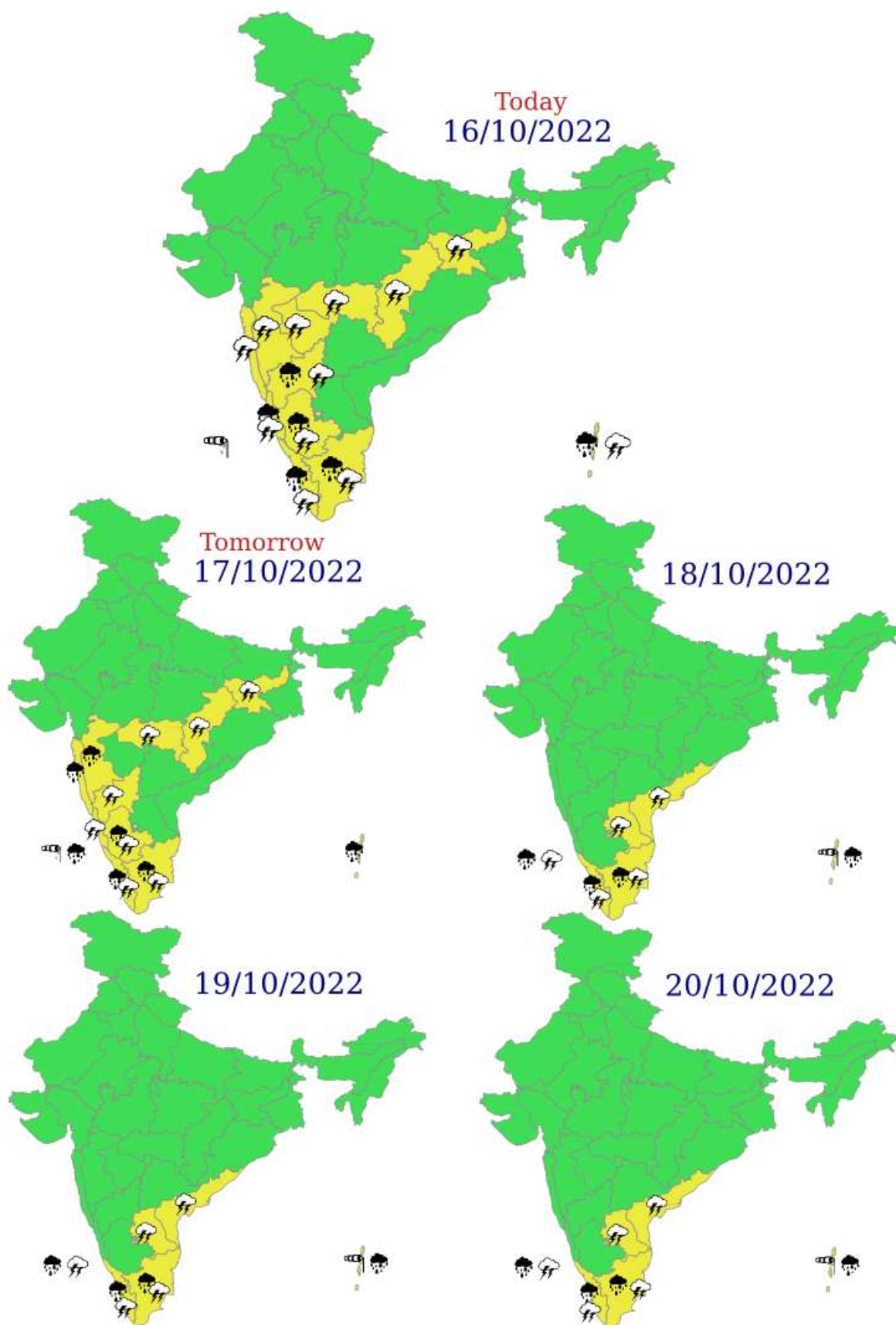
Annexure I

- ❖ **Isolated very heavy rainfall occurred over** Tamil Nadu and **heavy rainfall** over Coastal Andhra Pradesh, Telangana, South Interior Karnataka and Kerala.

Rainfall (in cm):

- ❖ **Tamil Nadu, Puducherry & Karaikal:** Lower Kothaiyar ARG (dist Kanyakumari) 13, Kuppanampatti (Madurai) 10, Vedaranyam (dist Nagapattinam) 9, Pechiparai (dist Kanyakumari), Hogenekal (dist Dharmapuri), Karaikudi (dist Sivaganga), Vadipatti (dist Madurai), Thaniamangalam (Madurai) 7 each;
- ❖ **Coastal Andhra Pradesh & Yanam:** Yanam (dist Yanam) 9, Kakinada (dist East Godavari) 7;
- ❖ **South Interior Karnataka:** Saligrama (dist Mysuru) 9, Bhagamandala (dist Kodagu) 8, H D Kote (dist Mysuru) 7;
- ❖ **Kerala:** Ottappalam (Palakkad district) 8, Varkala (Thiruvananthapuram district), Cherthala (Alappuzha district), Peringalkuthu AWS (Thrissur district) & Anchal ARG (Kollam district) 7 each;
- ❖ **Telangana:** Wadenapally(arg) (dist Suryapet) 7.





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)



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

