



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 18th October, 2022
Time of Issue: 1245 hrs IST

Subject: (i) A Low Pressure Area is likely to form over Southeast and adjoining Eastcentral Bay of Bengal during next 48 hours. It is likely to move west-northwestwards and concentrate into a Depression by 22nd morning over Central Bay of Bengal. It is very likely to intensify further into a Cyclonic Storm over Westcentral Bay of Bengal subsequently.

(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 continues to pass 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 north Andaman Sea and neighbourhood. Under its influence, a Low Pressure Area is likely to form over Southeast and adjoining Eastcentral Bay of Bengal during next 48 hours. It is likely to move west-northwestwards and **concentrate into a Depression by 22nd morning** over Central Bay of Bengal. It is very likely to **intensify further into a Cyclonic Storm** over Westcentral Bay of Bengal subsequently.
- A trough runs from cyclonic circulation over north Andaman Sea & neighbourhood to Tamil Nadu coast across South Bay of Bengal in lower tropospheric levels.
- A cyclonic circulation lies over Eastcentral Arabian Sea off Maharashtra coast in lower tropospheric levels.
- A north-south trough runs from Southeast Arabian Sea off Kerala coast to cyclonic circulation over Eastcentral Arabian Sea off Maharashtra coast in lower tropospheric levels.
- A fresh Western Disturbance as a trough in mid-tropospheric westerlies runs roughly along Long 65°E to the north of Lat 32°N.
- **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, Kerala & Mahe and Lakshadweep during 18th-22nd and South Interior Karnataka on 20th & 21st October, 2022. **Isolated very heavy rainfall also very likely over Tamil Nadu, Puducherry & Karaikal on 18th and Kerala & Mahe during 18th-20th October, 2022.**

- Widespread light/moderate rainfall with **isolated heavy falls** very likely over Andaman & Nicobar Islands during 18th–21st October, 2022.
- Isolated light rainfall/snowfall over Western Himalayan Region during next 3 days.
- Fairly widespread light/moderate rainfall with **isolated heavy falls** very likely over Madhya Maharashtra and Konkan on 18th October, 2022.
- **Dry weather very likely to prevail over most parts of Northwest & central India.**

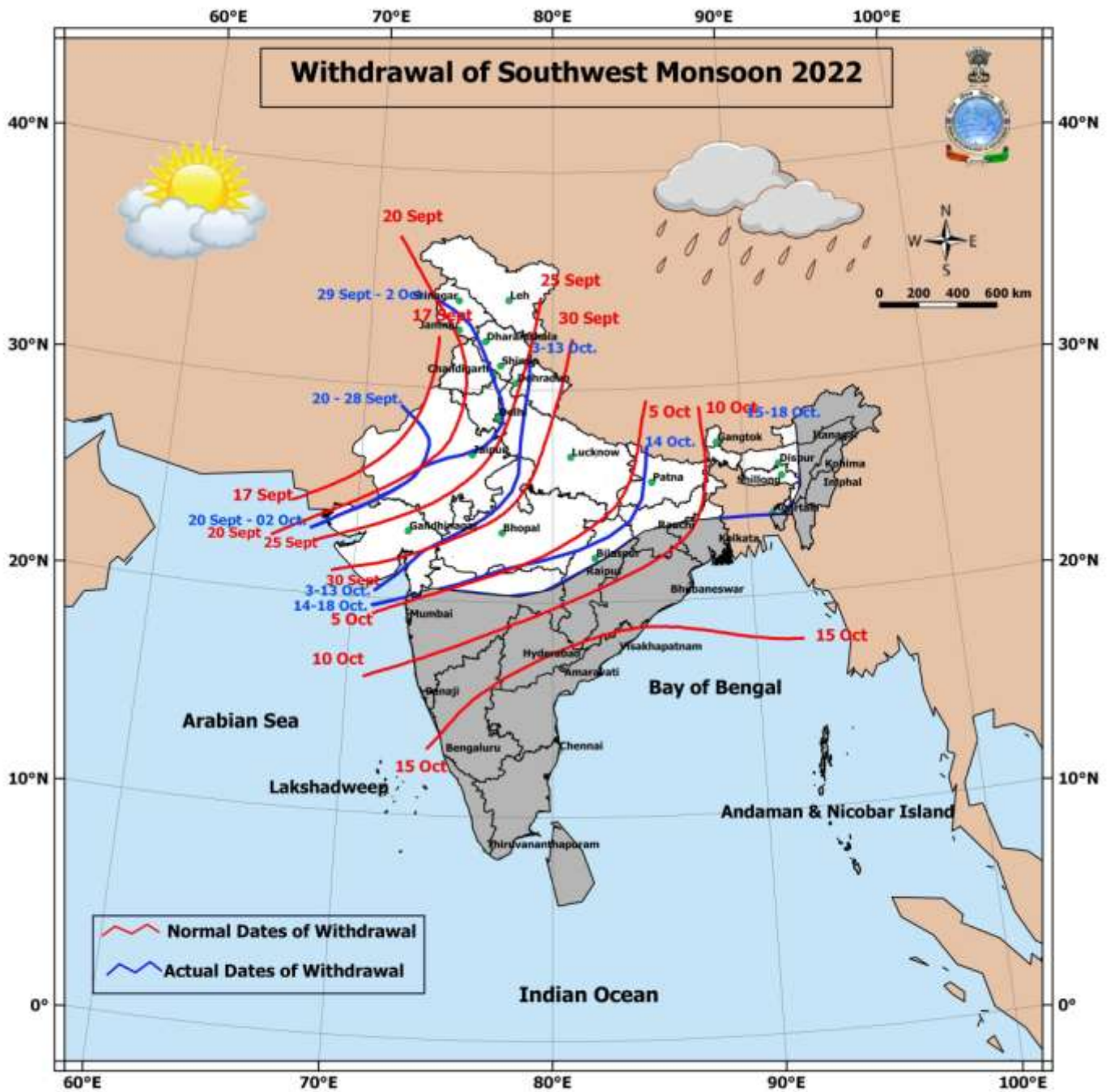
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

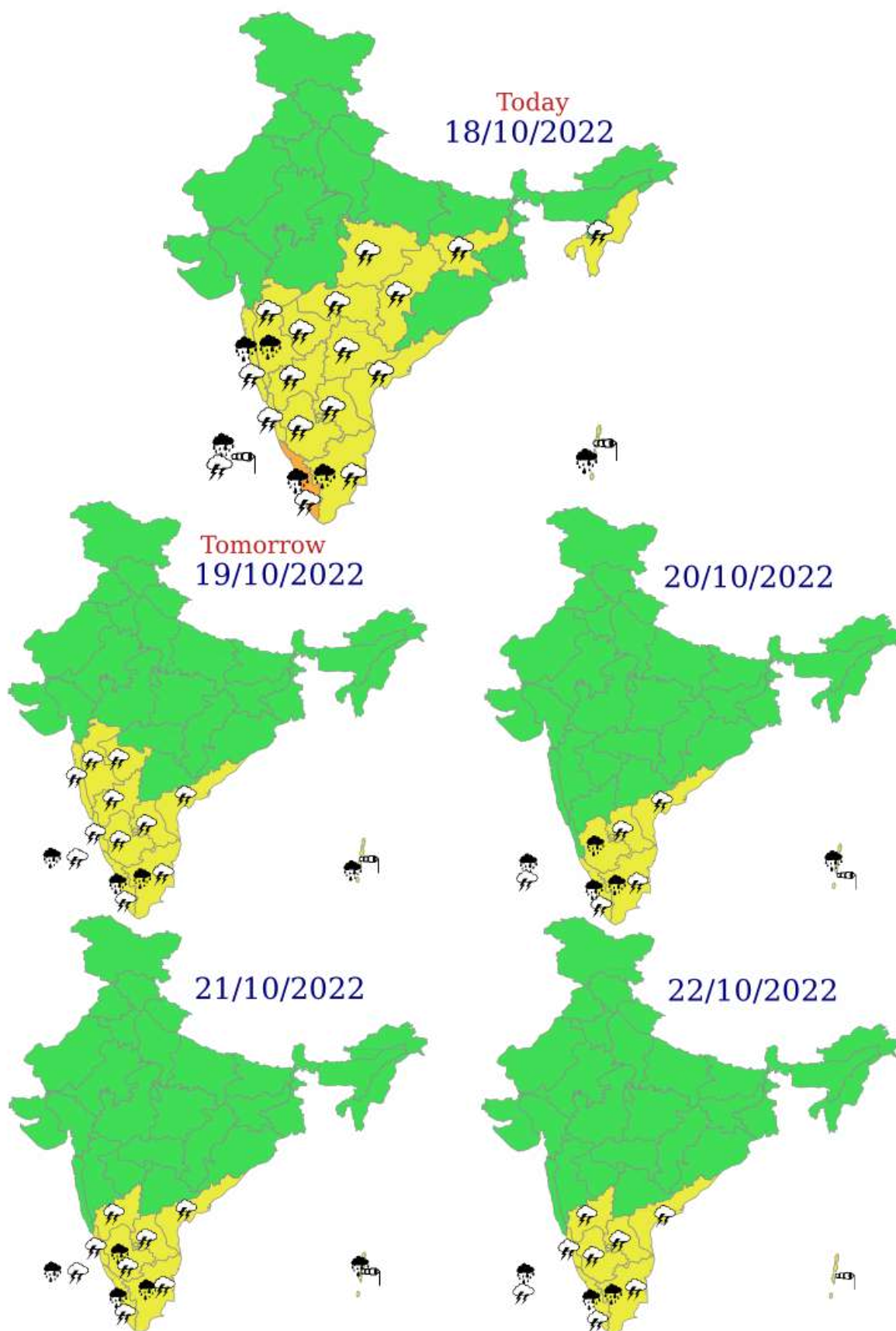
Annexure I

- ❖ **Isolated very heavy rainfall occurred** over Kerala, Tamil Nadu and Madhya Maharashtra and **heavy rainfall** over Madhya Pradesh.

Rainfall (in cm):

- ❖ **Kerala:** Poonjar (Kottayam) 14, Peermade (Idukki) 12, Trivandrum & Neyyattinkara (Thiruvananthapuram) 11 each, Perigalkuthu (Thrissur), Karipur (Malappuram), Neryamangalam (Ernakulam) 9 each;
- ❖ **Tamil Nadu:** Aranmanipudhur (Theni) 13, Periyakulam Pto (Theni) 13, Cincona (Coimbatore) 12, Valparai (Coimbatore) 11, Sathi (Madurai) 11, Sholayar (Coimbatore) 10, Thuckalay (Kanniyakumari) 10, Sattur (Virudhunagar) 9, Periyakulam (Theni) 9, Lower Kothaiyar Arg (Kanniyakumari) 9, Valparai Pto 9, Vadipatti (Madurai) 9, Eraniel (Kanniyakumari) 8, Perunchani (Kanniyakumari) 8, Puthan (Kanniyakumari) 8, Chinnakalar (Coimbatore) 8, Usilampatti (Madurai) 8, Colachel (Kanniyakumari) 8, Valparai Taluk Office (Coimbatore) 7, Sivalogam (Kanniyakumari) 7, Pechiparai (Kanniyakumari) 7, Vaigai Dam (Theni) 7, Kalia (Kanniyakumari) 7;
- ❖ **Madhya Maharashtra:** Purandar Sasvad (dist Pune) 13, Sinnar (dist Nashik) 12, Pune City - Imd Obsy (dist Pune) 11, Baramati (dist Pune) 10, Shevgaon (dist Ahmednagar) 10, Padegaon_agri (dist Satara) 9, Chalisgaon (dist Jalgaon) 7;
- ❖ **West Madhya Pradesh:** Bhimpur (dist Betul) 9;
- ❖ **East Madhya Pradesh:** Chauri (dist Chindwara) 8.





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