



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

**Press Release
Date: 11th October, 2022
Time of Issue: 1300 hrs IST**

**Subject: (i) Heavy rainfall spell likely to continue over Tamilnadu & Rayalaseema during next 5 days and over Interior Karnataka during next 2 days.
(ii) Conditions are very likely to become favourable for withdrawal of southwest monsoon from some more parts of northwest & central India during next 4-5 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 Long. 79.0°E/ Lat. 31.7° N, Uttarkashi, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3° N.
- **Conditions are very likely to become favourable for withdrawal of southwest monsoon from some more parts of northwest & central India during next 4-5 days.**

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

- A **Western Disturbance** as a trough in mid & upper tropospheric westerlies runs roughly along 70°E to the north of 25°N.
- A cyclonic circulation lies over Punjab & adjoining Haryana in lower tropospheric levels.
- A cyclonic circulation lies over Kerala in lower tropospheric levels and a trough runs from this cyclonic circulation to southwest Madhya Pradesh in lower tropospheric levels.
- A cyclonic circulation lies over north Andaman Sea in lower tropospheric levels and is very likely to move nearly westwards during next 3-4 days.
- **Under the influence of above systems;**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Madhya Maharashtra & Marathwada on 11th; Konkan & Goa on 12th; Tamil Nadu, Puducherry & Karaikal during 11th-15th; Rayalaseema during 11th-13th & 15th; north Interior Karnataka on 11th & 12th; south interior Karnataka on 11th, 12th & 15th; Coastal Andhra Pradesh & Yanam on 13th & 14th and Kerala & Mahe 15th October, 2022.
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Sub-Himalayan West Bengal & Sikkim and Bihar on 11th & 12th October, 2022. **Isolated very heavy rainfall very likely over Sub-Himalayan West Bengal & Sikkim on 11th October, 2022.**
 - Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 11th & 12th October, 2022. **Isolated very heavy rainfall very likely over Arunachal Pradesh and south Assam & Meghalaya on 11th October, 2022.**
 - Fairly widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Himachal Pradesh, Uttarakhand, Haryana, East Uttar Pradesh and Madhya Pradesh on 11th October, 2022.

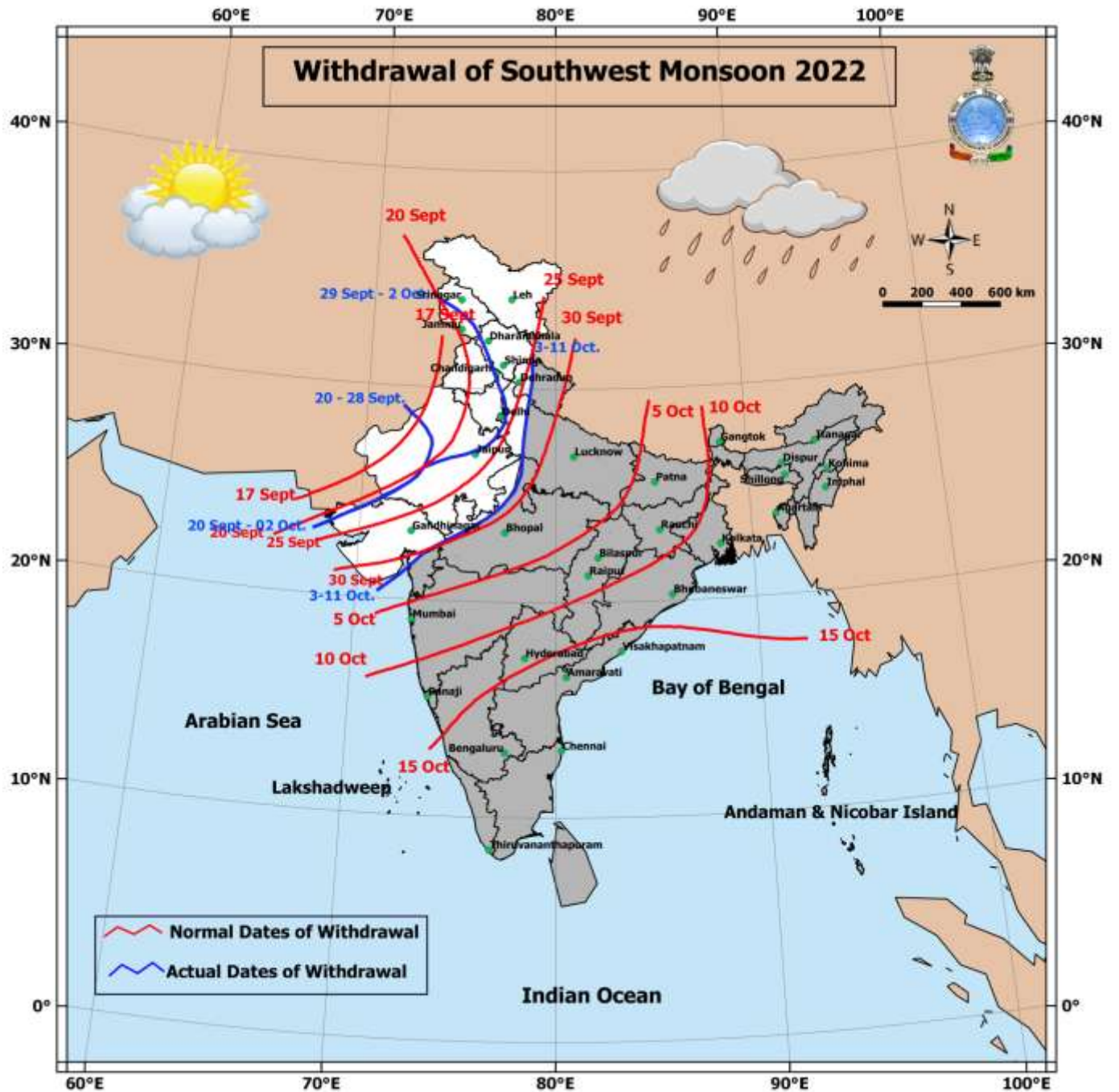
For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

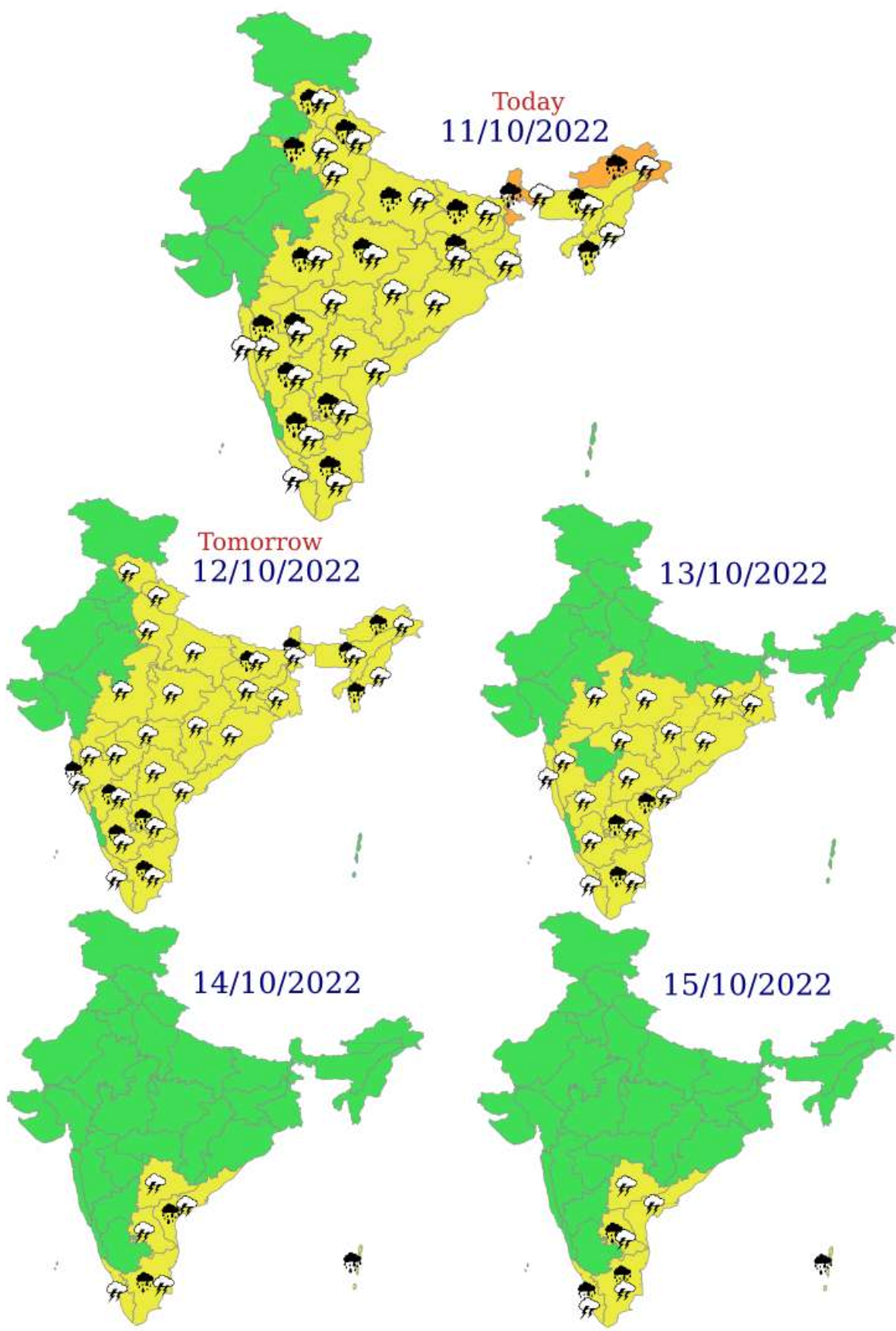
Annexure I

- ❖ **Isolated extremely heavy rainfall occurred over** Arunachal Pradesh; **very heavy rainfall** over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Tamil Nadu, East Madhya Pradesh and **heavy rainfall** over Punjab, West Madhya Pradesh, East Uttar Pradesh, South Interior Karnataka, Madhya Maharashtra, Rayalaseema, Bihar, Himachal Pradesh, Uttarakhand, Haryana, West Uttar Pradesh, North Interior Karnataka and Coastal Andhra Pradesh.

Rainfall (in cm):

- ❖ **Arunachal Pradesh:** Pasighat Cwc(Dist. East Siang) 24, Pasighat (Dist. East Siang) 22, Roing (Dist. Lower Dibang Valley) 14, Tuting (Dist. Upper Siang) 8;
- ❖ **Assam & Meghalaya:** Gossaigaon Agri (Dist. Kokrajhar) 19, Kokrajhar (Dist. Kokrajhar) 17, Bahalpur (Dist. Dhubri) 14, Mawsynram (Dist. East Khasi Hills) 14, Shora (Arg) (Dist. East Khasi Hills) 14, Tura(Aws)(Dist. West Garo Hills) 12, Sohra (Dist. East Khasi Hills) 11, Tura Kvk (Dist. East Khasi Hills) 11, Shella (Dist. East Khasi Hills) 11, Tura Kvk (Aws) (Dist. East Khasi Hills) 10, Williamnagar (Dist. East Garo Hills) 10, Chouldhowaghat (Dist. Lakhimpur) 10, Mawkyrwat(Arg) (Dist. South West Khasi Hills) 8, Sohra(Rkm) (Dist. East Khasi Hills) 8, Nongstoin (Dist. West Khasi Hills) 7, Mawkyrwat (Dist. South West Khasi Hills) 7;
- ❖ **Sub-Himalayan West Bengal & Sikkim:** Alipurduar-17, Barobhisha 14, Chepan-13, Bagrakote 8, NH 31 7
- ❖ **Tamil Nadu:** Metupatti (dist Madurai) 17, Panchapatti (Karur) 12, Thammampatty (dist. Salem) 9, Pulipatti (dist. Madurai) 9, Tirupattur (dist. Tirupattur) 8, Vepipatti (dist. Madurai) 7, Erode (dist Erode) 07.
- ❖ **East Madhya Pradesh:** Bichhia (dist Mandla) 13, Narsinghpur-aws (dist Narsinghpur) 12, Patan (dist Jabalpur) 11, Tendukheda (dist Narsinghpur) 9, Shahpura (dist Jabalpur) 9, Rampur (dist Sidhi) 9, Rewa-aws (dist Rewa) 8, Beohari (dist Shahdol) 8, Karanjia (dist Dindori) 8, Kareli (dist Narsinghpur) 8, Mohgaon (dist Mandla) 7, Amarkantak (dist Anuppur) 7, Nowrozabad (dist Umaria) 7, Gonour (dist Panna) 7, Sagar-aws (dist Sagar) 7, Bajag (dist Dindori) 7, Majholi (dist Jabalpur) 7, Paraswada (dist Balaghat) 7, Singodi (dist Katni) 7, Jabalpur-aws (dist Jabalpur) 7, Chandia (dist Umaria) 7, Semariya (dist Rewa) 7, Sidhi (gopadbanas) (dist Sidhi) 7,
- ❖ **Punjab:** Nawanshahr (dist Sbs Nagar) 11, Samana Arg (dist Patiala) 8, Phillaur (dist Jalandhar) 7;
- ❖ **West Madhya Pradesh:** Bankhedi (dist Narmadapuram) 11, Tonkhurd (dist Dewas) 11, Deori (dist Raisen) 11, Udaipura (dist Raisen) 10, Nepanagar (dist Burhanpur) 10, Sendhwa(med) (dist Barwani) 9, Bairagarh Airport (dist Bhopal) 7, Bhopal Arera Hills (dist Bhopal) 7, Ashta-aws (dist Sehore) 7,
- ❖ **East Uttar Pradesh:** Ramnagar (dist Barabanki) 11, Kaiserganj (dist Bahraich) 9, Haidargarh (dist Barabanki) 8.
- ❖ **South Interior Karnataka:** Pavagada (dist Tumakuru) 10, Davanagere Pto (dist Davangere) 9, Y N Hoskote (dist Tumakuru) 7;
- ❖ **Madhya Maharashtra:** Jamner (dist Jalgaon) 9, Nashik - Imd Obsy (dist Nashik) 7, Igatpuri (dist Nashik) 7,
- ❖ **Rayalaseema:** Agali (dist Anantapuramu) 9, Madakasira (dist Anantapuramu) 7;
- ❖ **Bihar:** Mahua (Dist Vaisali)-9;
- ❖ **Himachal Pradesh:** Guler & Dharamsala (Kangra), Rajgarh (Sirmaur) and Gohar (Mandi) -8 each,
- ❖ **Uttarakhand:** Chakrata 8, Koti 7
- ❖ **Haryana:** Radaur (dist Yamuna Nagar) 8,
- ❖ **West Uttar Pradesh:** Nawabganj (dist Bareilly) 8, Bareilly Cwc (dist Bareilly) 7, Orai (dist Jalaun) 7.
- ❖ **North Interior Karnataka:** Tavaragera (dist Koppal) 8, Badami (dist Bagalkote) 7,
- ❖ **Coastal Andhra Pradesh:** Peddapuram (dist East Godavari) 7,





IMPACT EXPECTED & ACTION SUGGESTED DUE TO-

Isolated very heavy rainfall very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and south Assam & Meghalaya 11th 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.

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)



Heavy Rain



Strong Winds



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