



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

**Press Release**

**Date: 18<sup>th</sup> October, 2023**

**Time of Issue: 1345 hours IST**

**Subject: (i) A Low Pressure Area lies over Southeast & adjoining Eastcentral Arabian Sea. It is likely to become Well Marked Low Pressure Area over Eastcentral & adjoining southeast Arabian Sea during next 24 hours and into a Depression over Central Arabian Sea around 21<sup>st</sup> October.**  
**(ii) A Low Pressure Area is likely to form over central parts of Bay of Bengal around 20<sup>th</sup> October.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today, the 18<sup>th</sup> Oct, 2023 (Annexure I)**  
**Withdrawal of Southwest Monsoon: (Annexure IV)**

- ❖ The line of withdrawal of Southwest Monsoon continues to pass through 20.0°N/96.0°E, 17.0°N/91.5°E, Machilipatnam, Kurnool, Badami, Vengurla & 16.0°N/70.0°E.

**Significant Weather features:**

- ❖ The **Low Pressure Area** over Southeast & adjoining Eastcentral Arabian Sea with the associated cyclonic circulation extending upto mid tropospheric levels persists. It is likely to move west-northwestwards and become **Well Marked Low Pressure Area** over Eastcentral & adjoining southeast Arabian Sea during next 24 hours and intensify into a **Depression** over Central Arabian Sea around 21<sup>st</sup> October.
- ❖ The cyclonic circulation over Southeast Bay of Bengal & adjoining Andaman Sea now lies over Southeast Bay of Bengal and extends upto 4.5 km above mean sea level. It is likely to move northwestwards and under its influence a **Low Pressure Area** is likely to form over central parts of Bay of Bengal around 20<sup>th</sup> October.
- ❖ The trough now runs from the above cyclonic circulation over Southeast Bay of Bengal to Comorin Area across Sri-Lanka and extends upto 3.1 km above mean sea level.

**Weather warnings for next 5 days: (Graphics in Annexure II)**

**South India:** Light to moderate rainfall at some/many places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Tamil Nadu and Kerala on 18<sup>th</sup> October.

**No significant weather over rest parts of the country during next 5 days.**

## Weather warnings in association with the Low Pressure Area over Southeast and adjoining Eastcentral Arabian Sea:

### (A) Wind warnings

- **Lakshadweep Area: Squally weather** with wind speed reaching **35-45 kmph gusting to 55 kmph** is very likely to prevail on 19<sup>th</sup> October, becoming **squally wind** speed reaching **40-50 kmph gusting to 60 kmph** on 20<sup>th</sup> October and decrease gradually thereafter.
- **Southeast Arabian Sea: Squally weather** with wind speed reaching **35-45 kmph gusting to 55 kmph** is very likely to prevail on 19<sup>th</sup> October. It is likely to gradually increase becoming **squally wind** speed reaching **40-50 kmph gusting to 60 kmph** on 20<sup>th</sup> and **45-55 kmph gusting to 65 kmph** on 21<sup>st</sup> October. It would decrease gradually thereafter.
- **Eastcentral Arabian Sea: Squally weather** with wind speed reaching **35-45 kmph gusting to 55 kmph** is very likely to prevail on 19<sup>th</sup> October, becoming **squally wind** speed reaching **40-50 kmph gusting to 60 kmph** on 20<sup>th</sup> October. It is likely to gradually increase becoming **45-55 kmph gusting to 65 kmph** on 21<sup>st</sup> and **50-60 kmph gusting to 70 kmph** on 22<sup>nd</sup> October.
- **Westcentral Arabian Sea: Squally weather** with wind speed reaching **35-45 kmph gusting to 55 kmph** is very likely to prevail on 19<sup>th</sup> October, becoming **squally wind** speed reaching **40-50 kmph gusting to 60 kmph** on 20<sup>th</sup> October. It is likely to gradually increase becoming **45-55 kmph gusting to 65 kmph** on 21<sup>st</sup> and **50-60 kmph gusting to 70 kmph** on 22<sup>nd</sup> October.
- **Adjoining southwest Arabian Sea: Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** on 20<sup>th</sup> October. It is likely to gradually increase becoming **45-55 kmph gusting to 65 kmph** on 21<sup>st</sup> and 22<sup>nd</sup> October.

### (B) Fishermen Warnings (Graphics attached in Annexure III):

Fishermen are advised not to venture into

- ❖ **Lakshadweep Area** on 19<sup>th</sup> & 20<sup>th</sup> October
- ❖ **Southeast Arabian Sea** on 19<sup>th</sup> & 20<sup>th</sup> October.
- ❖ **Eastcentral Arabian Sea** from 19<sup>th</sup> to 22<sup>nd</sup> October.
- ❖ **Westcentral Arabian Sea** from 19<sup>th</sup> October onwards.
- ❖ **Southwest Arabian Sea** from 20<sup>th</sup> to 22<sup>nd</sup> October.

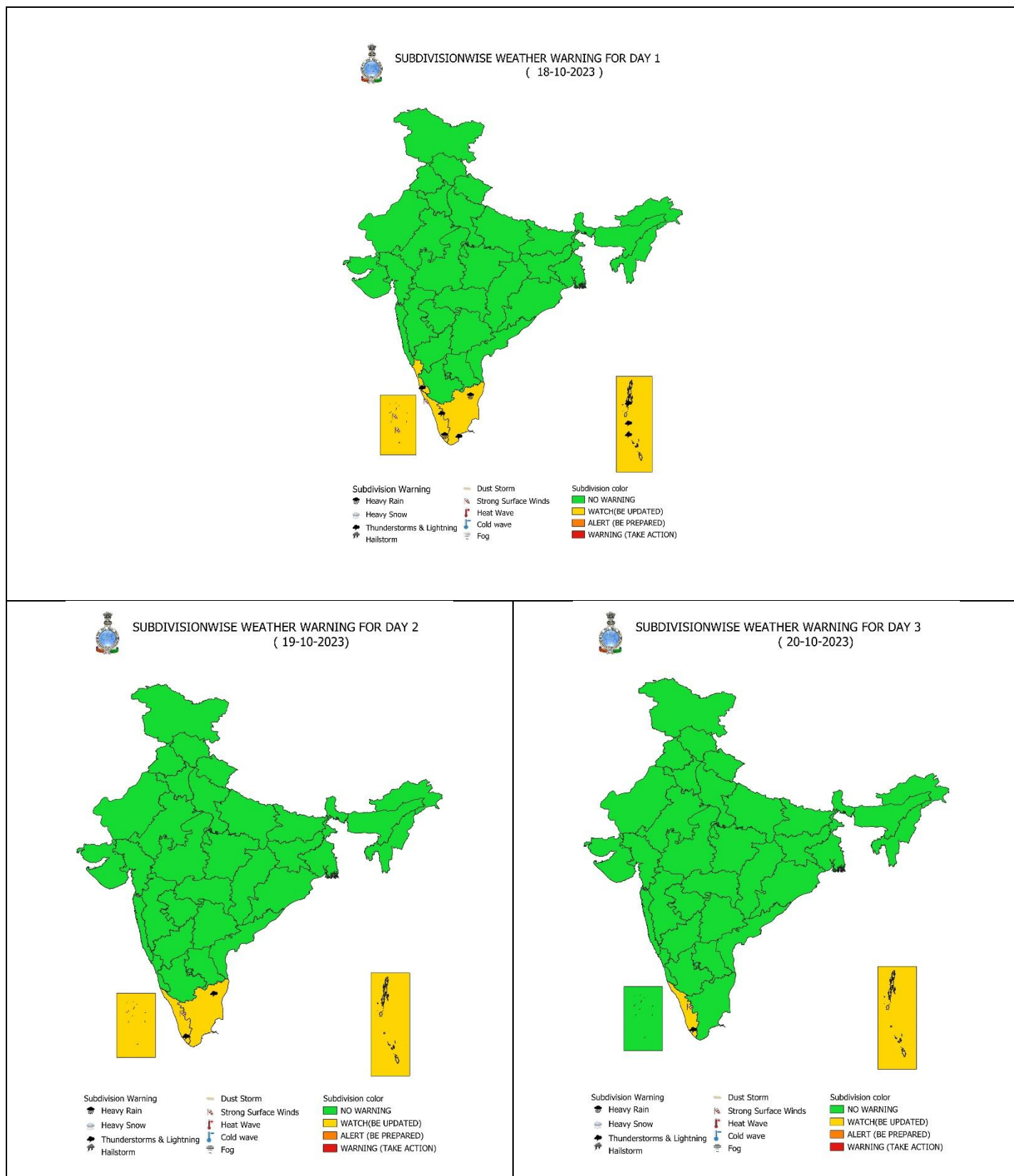
The Fishermen out at sea are advised to return to coast by 19<sup>th</sup> October.

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

## Annexure I

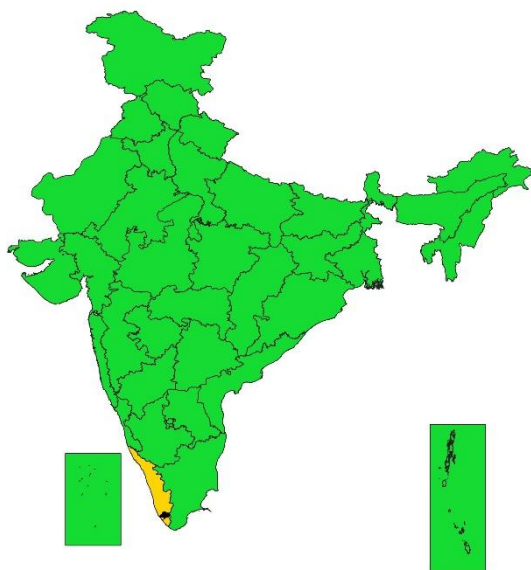
### Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 18<sup>th</sup> October, 2023):

- ❖ **Heavy rainfall** recorded at isolated places over Tamil Nadu, Kerala and East Madhya Pradesh
- ❖ **Significant rainfall recorded (in cm):**
  - **Tamil Nadu:** Nalumukku (dist. Tirunelveli) 10, Kozhiporvilai (dist. Kanniyakumari) 9, Paramakudi (dist. Ramanathapuram) 9, Mettupalayam (dist. Coimbatore) 8, Tindivanam (dist. Villupuram) 8, Kurunthancode (dist. Kanniyakumari) 8
  - **Kerala:** Pothundy Dam (dist. Palakkad) 8, Konni (dist. Pathanamthitta) 7, Kollam (dist. Kollam) 7,
  - **East Madhya Pradesh:** Pushprajgarh (dist. Anuppur) 7





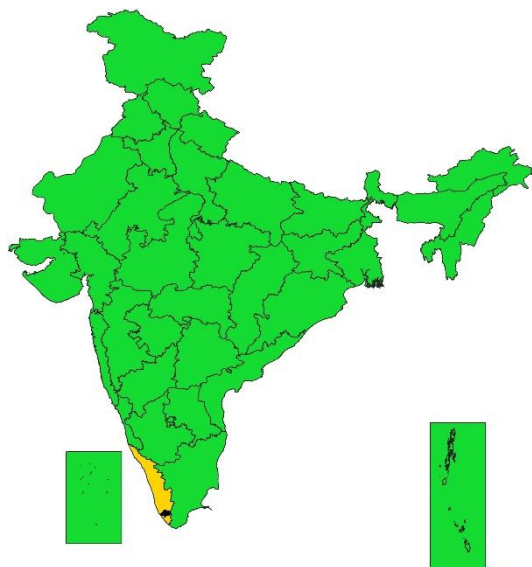
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 21-10-2023)



- |                            |                      |                           |
|----------------------------|----------------------|---------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color:</b> |
| Heavy Rain                 | Strong Surface Winds | NO WARNING                |
| Heavy Snow                 | Heat Wave            | WATCH(BE UPDATED)         |
| Thunderstorms & Lightning  | Cold wave            | ALERT (BE PREPARED)       |
| Hailstorm                  | Fog                  | WARNING (TAKE ACTION)     |



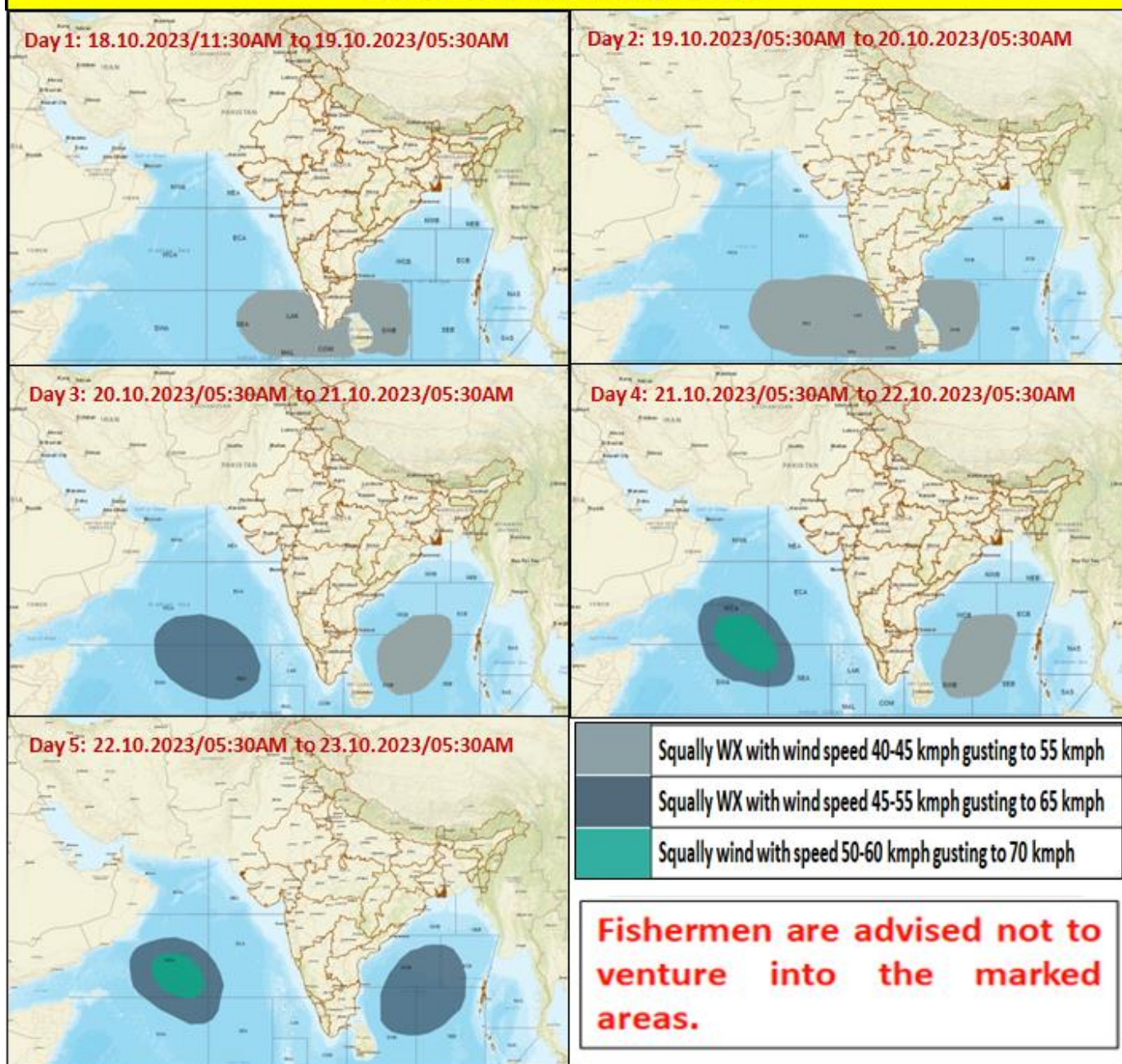
SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
( 22-10-2023)

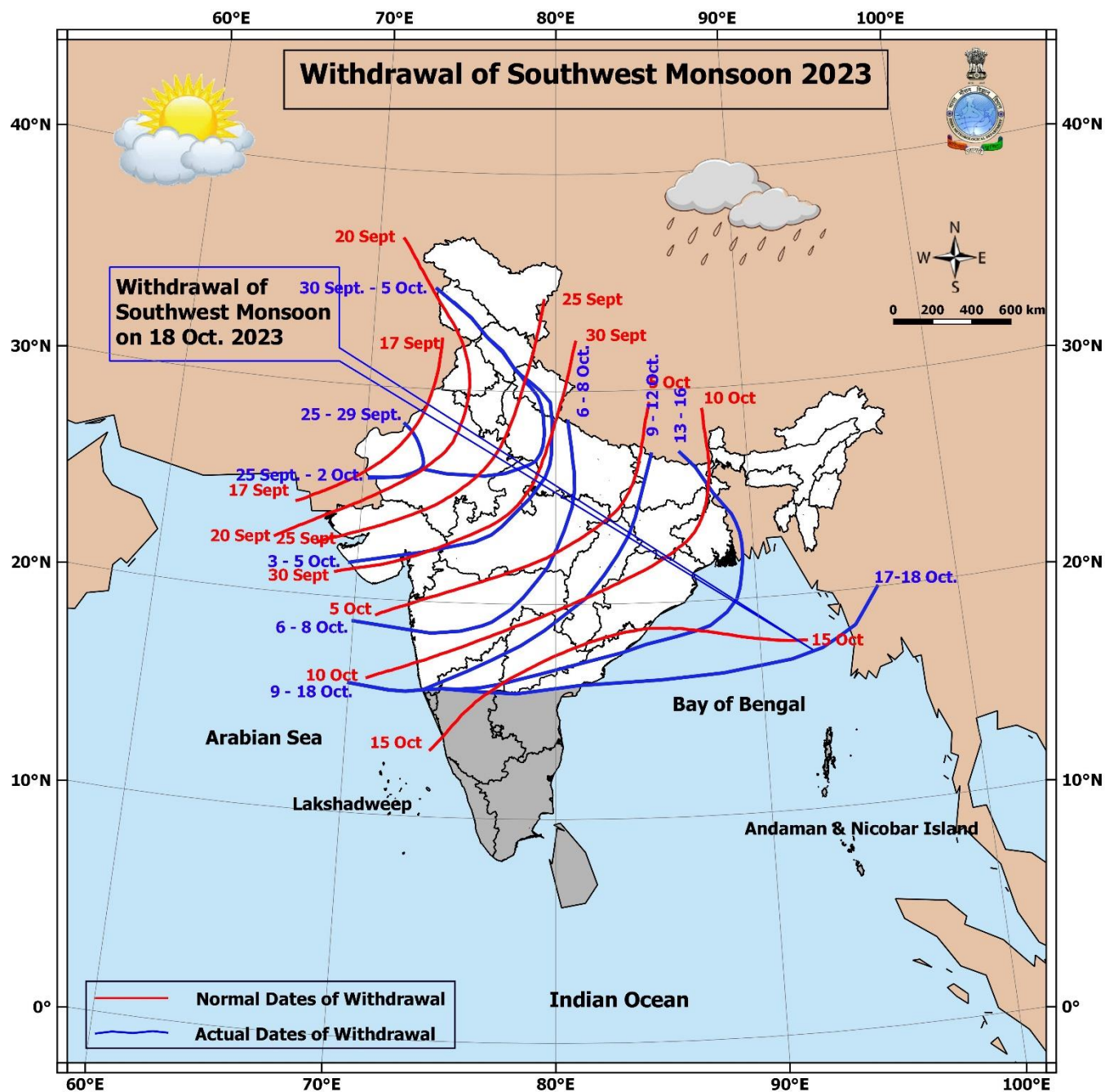


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| Heavy Snow                 | Heat Wave            | WATCH(BE UPDATED)         |
| Thunderstorms & Lightning  | Cold wave            | ALERT (BE PREPARED)       |
| Hailstorm                  | Fog                  | WARNING (TAKE ACTION)     |



### Fishermen warning graphics


















## Legends:

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation
- ❖ **Region wise classification of meteorological Sub-Divisions:**
  - **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.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
  - **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)

Subdivision Warning	 Dust Storm	Subdivision color
 Heavy Rain	 Strong Surface Winds	 NO WARNING
 Heavy Snow	 Heat Wave	 WATCH (BE UPDATED)
 Thunderstorms & Lightning	 Cold wave	 ALERT (BE PREPARED)
 Hailstorm	 Fog	 WARNING (TAKE ACTION)

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

Flash Flood Risk	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)