



Government of India  
Ministry of Earth Sciences  
India Meteorological Department

Press Release

Date: 29<sup>th</sup> November, 2023

Time of Issue: 1345 hours IST

**Subject:**

- I. **A Well Marked Low Pressure Area lies over Southeast Bay of Bengal & adjoining south Andaman Sea. It is likely to intensify into a Depression over southeast Bay of Bengal on 30<sup>th</sup> November and further intensify into a Cyclonic Storm over Southwest & adjoining Southeast Bay of Bengal around 02<sup>nd</sup> December.**
- II. **Wet spell with thunderstorm activity over Madhya Pradesh & Maharashtra during next 3 days.**
- III. **A fresh Western Disturbance is likely to affect the Western Himalayan region & adjoining plains during next 2 days.**

Realized weather during past 24 hours till 0830 hours IST of today: (Refer Annexure I)

**Weather Systems and Forecast & Warnings during next 5 days: (graphics in Annexure II)**

- ❖ A Cyclonic Circulation lies over north Sri Lanka & neighbourhood in lower tropospheric levels.
- ❖ A fresh Western Disturbance seen as a trough in mid-tropospheric levels along Long. 58°E to the north of Lat. 30°N.
- ❖ A trough in easterlies runs from North Kerala to North Madhya Maharashtra in lower tropospheric levels. **There will be interaction between middle level westerlies and lower level easterlies over the Central parts of the country during next 3 days.**
- ❖ Under the influence of the above systems:
  - Scattered to fairly widespread light to moderate rainfall/snowfall with thunderstorm & lightning very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh on 29<sup>th</sup> & 30<sup>th</sup> November. **Heavy rainfall/snowfall** at isolated places also likely over Kashmir-Gilgit-Baltistan-Muzaffarabad on 30<sup>th</sup> November. Light rainfall very likely at isolated places over the plains of Northwest India during next 3 days.
  - Light to moderate scattered to fairly widespread rainfall with thunderstorm & lightning very likely over Madhya Pradesh and Vidarbha during next 3 days. **Hailstorm** at isolated places very likely over Madhya Pradesh on 30<sup>th</sup> November.
  - Light isolated rainfall with thunderstorm activity very likely over Madhya Maharashtra and Marathwada on 29<sup>th</sup> & 30<sup>th</sup> November. **Hailstorm** at isolated places very likely over Madhya Maharashtra and Marathwada on 30<sup>th</sup> November.
  - Light to moderate scattered to fairly widespread rainfall with thunderstorm activity at isolated places very likely over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 5 days. **Heavy rainfall** at isolated places likely over Tamil Nadu, Puducherry & Karaikal during 29<sup>th</sup> November-03<sup>rd</sup> December; over Kerala & Mahe on 30<sup>th</sup> November & 01<sup>st</sup> December and over Andhra Pradesh & Yanam on 02<sup>nd</sup> & 03<sup>rd</sup> December.

**Low Pressure Area over Southeast Bay of Bengal (graphics in Annexure III)**

- ❖ Yesterday's Low Pressure Area over south Andaman Sea & adjoining Southeast Bay of Bengal moved west-northwestwards and lay as a Well Marked Low Pressure Area over Southeast Bay of Bengal & adjoining south Andaman Sea at 0830 hours IST of today, the 29th November, 2023. It is likely to move west-northwestwards and intensify into a Depression over southeast Bay of Bengal on 30th November,

2023. Thereafter, it is likely to move northwestwards and intensify gradually into a Cyclonic Storm over Southwest & adjoining Southeast Bay of Bengal around 2nd December.

### **Warnings in association with the above Well Marked Low Pressure Area:**

#### **Warnings:**

##### **(i) Rainfall Warning (graphics enclosed):**

- Light to moderate rainfall at most places with isolated heavy rainfall is likely over Nicobar Islands on 29th & 30th November.
- Light to moderate rainfall at most places with isolated heavy rainfall is likely over Coastal Tamil Nadu & Puducherry during 1st to 3rd December.
- Light to moderate rainfall at most places with isolated heavy rainfall is likely over Coastal Andhra Pradesh during 2nd to 4th December.

##### **(ii) Wind warning:**

- **Andaman Sea and Andaman & Nicobar Islands:** Strong wind speed reaching 25-35 kmph gusting to 45 kmph is likely to prevail over South Andaman Sea and adjoining Andaman & Nicobar Islands on 29<sup>th</sup> November
- **Southeast Bay of Bengal:** Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over Southeast Bay of Bengal from 30th November morning. It is likely to increase becoming 50-60 kmph gusting to 70 kmph from 1st December morning and Gale Wind speed reaching 60-70 kmph gusting to 80 kmph on 2nd December morning onwards.
- **Southwest Bay of Bengal:** Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over adjoining Southwest Bay of Bengal from 1st December morning. It would increase becoming Gale Wind speed reaching 60-70 kmph gusting to 80 kmph on 2nd December morning.
- **Central Bay of Bengal:** Squally wind speed reaching 35-45 kmph gusting to 55 kmph is likely over adjoining central Bay of Bengal from 1st December evening and is likely to increase becoming 45-55 kmph gusting to 65 kmph from 2nd December morning.

##### **(iii) Fishermen Warning (graphics attached):**

Fishermen are advised not to venture into:

- South Andaman Sea on 29th November.
- Southeast Bay of Bengal during 30th November to 2nd December.
- Southwest Bay of Bengal during 30th November to 3rd December.
- Central Bay of Bengal from 1st December morning to 5th December.

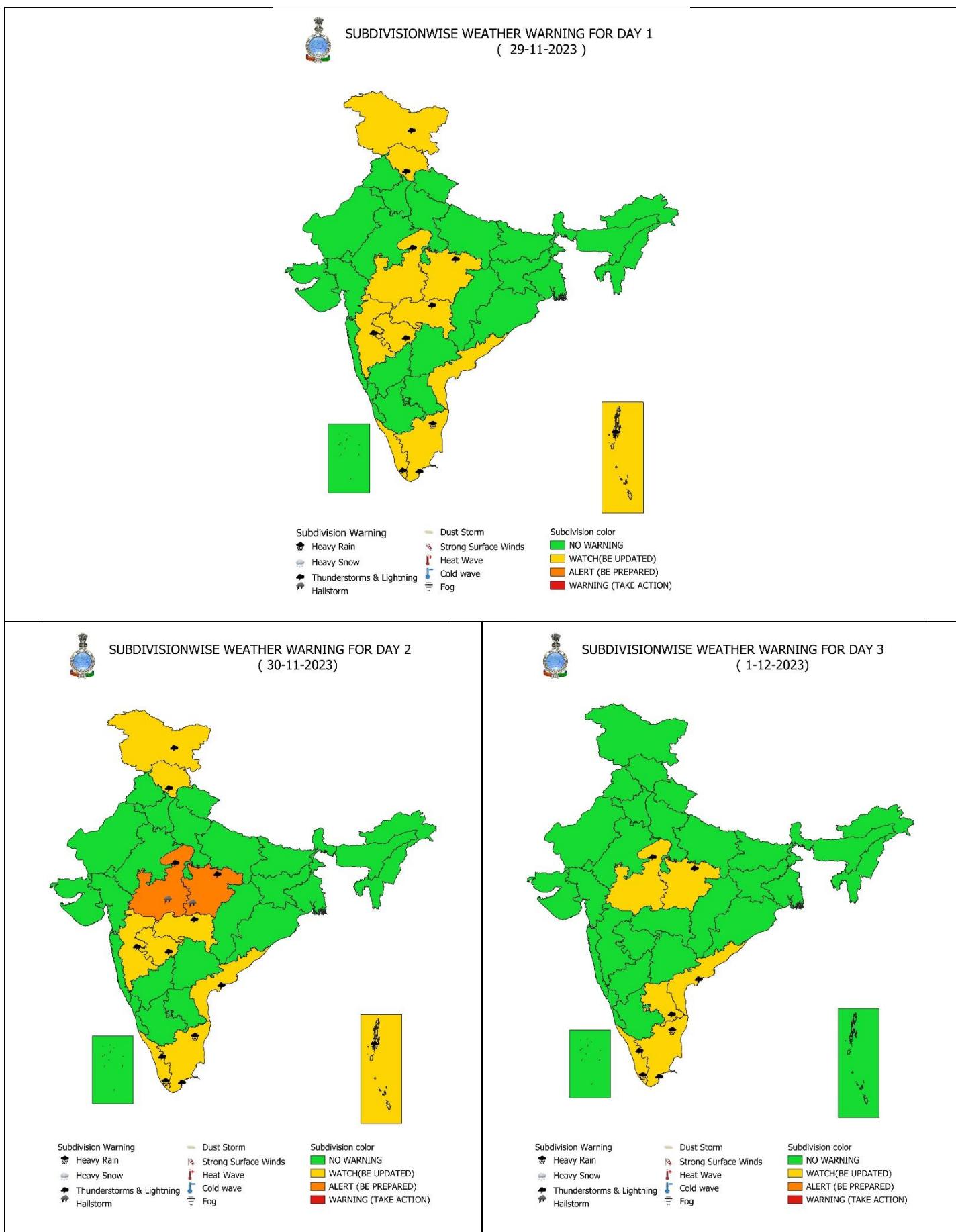
The Fishermen out at sea are advised to return to Andaman & Nicobar Islands and those off east coast of India (from Tamil Nadu coast to Odisha coast) are advised to return to coast by 30<sup>th</sup> November.

For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forcast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php)  
and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

### **Annexure I**

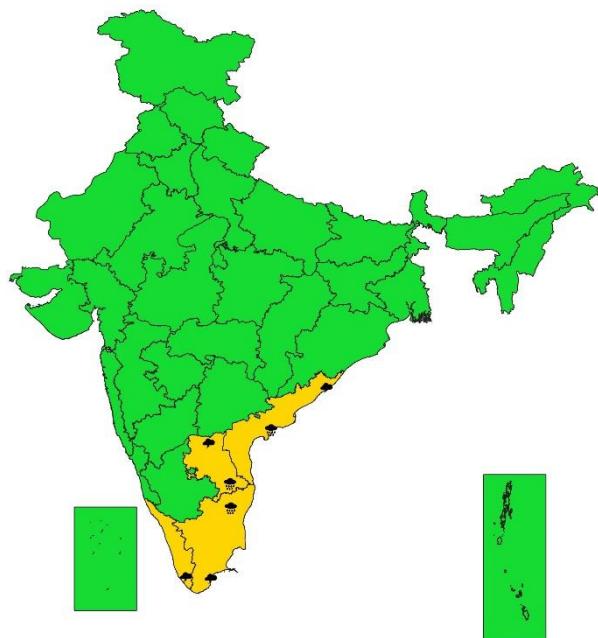
#### **Realized weather during past 24 hours till 0830 hours IST of today:**

- ❖ **Heavy rainfall** reported at isolated places over Madhya Maharashtra, Marathwada, Telangana and Tamil Nadu.
- ❖ **Significant Rainfall Amount:**
  - **Tamil Nadu:** Ramanathapuram (dist. Ramanathapuram) 9
  - **Marathwada:** Ausa (dist Latur) 8
  - **Madhya Maharashtra:** Sholapur (dist Sholapur) 7
  - **Telangana:** Alladurg (dist Medak) 7





SUBDIVISIONWISE WEATHER WARNING FOR DAY 4  
( 2-12-2023 )



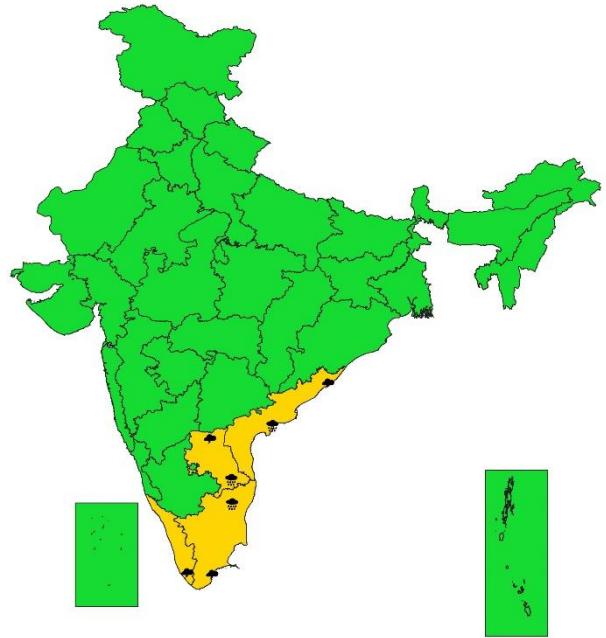
Subdivision Warning  
Heavy Rain  
Heavy Snow  
Thunderstorms & Lightning  
Hailstorm

Dust Storm  
Strong Surface Winds  
Heat Wave  
Cold wave  
Fog

Subdivision color  
NO WARNING  
WATCH(BE UPDATED)  
ALERT (BE PREPARED)  
WARNING (TAKE ACTION)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 5  
( 3-12-2023 )



Subdivision Warning  
Heavy Rain  
Heavy Snow  
Thunderstorms & Lightning  
Hailstorm

Dust Storm  
Strong Surface Winds  
Heat Wave  
Cold wave  
Fog

Subdivision color  
NO WARNING  
WATCH(BE UPDATED)  
ALERT (BE PREPARED)  
WARNING (TAKE ACTION)

### Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over Madhya Pradesh, Madhya Maharashtra and Marathwada on 30<sup>th</sup> November.

#### Impact expected:

- Strong wind/hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.
- Partial damage to vulnerable structures due to strong winds.
- Minor damage to kutcha houses/walls and huts.
- Loose objects may fly.

#### Action suggested:

- Stay indoors, close windows & doors and avoid travel if possible.
- Take safe shelters; do not take shelter under trees.
- Do not lie on concrete floors and do not lean against concrete walls.
- Unplug electrical/ electronic appliances.
- Immediately get out of water bodies.
- Keep away from all the objects that conduct electricity.



PREGENESIS TRACK FORECAST ALONGWITH CONE OF UNCERTAINTY IN ASSOCIATION WITH LOW PRESSURE AREA OVER SOUTHEAST BAY OF BENGAL AND ADJOINING SOUTH ANDAMAN SEA BASED ON 0300 UTC (0830 IST) OF 29<sup>TH</sup> NOVEMBER 2023.



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17.27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM ( $\geq 120$  KT)

● LESS THAN 34 KT

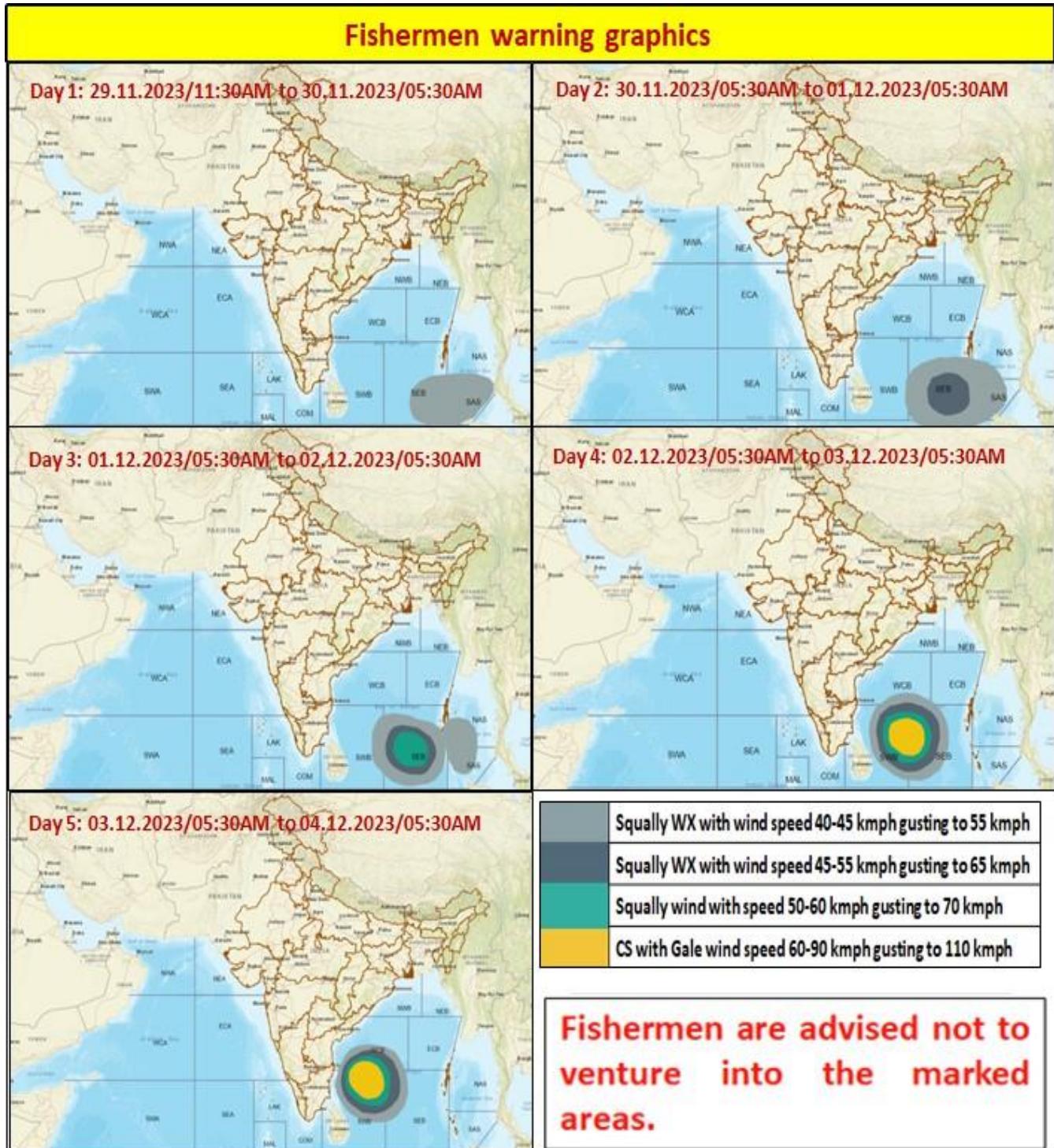
🌀 34-47 KT

🌀  $\geq 48$  KT

— OBSERVED TRACK

— FORECAST TRACK

● CONE OF UNCERTAINTY



### 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 Widespred (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)	