



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

**Press Release  
Date: 27<sup>th</sup> November, 2023  
Time of Issue: 1430 hours IST**

**Subject:**

**(i) Wet spell likely to continue over central part of the country during next 2 days and decrease significantly thereafter.**

**(ii) Isolated heavy rainfall accompanied with thunderstorm and hailstorm activities likely over North Madhya Maharashtra, Marathwada and Vidarbha today, the 27<sup>th</sup> November.**

**(iii) Low Pressure Area over South Andaman Sea & adjoining Malacca Strait.**

**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)**

- ❖ Yesterday's **Western Disturbance** as a cyclonic circulation now lies over Central Pakistan trough in middle & upper tropospheric levels.
- ❖ Yesterday's **induced cyclonic circulation now** lies over north Gujarat & adjoining Rajasthan in lower tropospheric levels.
- ❖ The phase locking of the above Western Disturbance with the low level easterly winds has become insignificant. Hence, the intensity of adverse weather is likely to reduce from today.
- ❖ **However, under the influence of above systems:**
  - Light to moderate rainfall at some places accompanied with isolated thunderstorm & lightning very likely over Himachal Pradesh, Uttarakhand, East Rajasthan, Madhya Pradesh, north Madhya Maharashtra, Marathwada, Vidarbha and Chhattisgarh during 27<sup>th</sup>-29<sup>th</sup> November with significant reduction thereafter.
  - **Isolated heavy rainfall** very likely over Vidarbha, north Madhya Maharashtra and Marathwada on 27<sup>th</sup> November, 2023.
  - **Hailstorm also likely** at isolated places very likely over Uttarakhand, Madhya Pradesh, Vidarbha, north Madhya Maharashtra and Marathwada on 27<sup>th</sup> November, 2023.
  - Light rainfall at isolated places very likely over the plains of Northwest India on 27<sup>th</sup> November.
- ❖ **Minimum temperatures are likely to fall gradually by 2-3°C over Northwest & central India during next 3 days.**
- ❖ **Moderate fog at isolated pockets is also likely in morning hours over northwest & central India during next 2 days.**

## Low Pressure Area over South Andaman Sea & adjoining Malacca Strait

- ❖ Under the influence of yesterday's cyclonic circulation over South Andaman Sea and adjoining south Thailand, a low pressure area formed over south Andaman Sea & adjoining Malacca Strait at 0830 hours IST of today, the 27<sup>th</sup> November. It is likely to move west-northwestwards and intensify into a Depression over southeast Bay of Bengal around 29<sup>th</sup> November, 2023. Thereafter, it is likely to move northwestwards and intensify further into a cyclonic storm over southeast Bay of Bengal during subsequent 48 hours.

### Warnings in association with the above Low Pressure Area:

#### (i) Rainfall Warning:

- Light to moderate rainfall at most places with **isolated heavy rainfall** is likely over Nicobar Islands during 27<sup>th</sup> to 30<sup>th</sup> November with isolated **heavy to very heavy rainfall** on 28<sup>th</sup> and 29<sup>th</sup> November.

#### (ii) Wind warning:

- **Andaman Sea and Andaman & Nicobar Islands: Strong wind** speed reaching **15-25 kmph gusting to 35 kmph** is likely to prevail over South Andaman Sea and adjoining Andaman & Nicobar Islands, North Andaman Sea & Malacca Strait on 27<sup>th</sup> and likely to become **20-25 kmph gusting to 35 kmph** on 28<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 on 29<sup>th</sup>. It is likely to increase becoming **50-60 kmph gusting to 70 kmph** on 30<sup>th</sup> November, **Gale Wind** speed reaching **60-70 kmph gusting to 80 kmph** on 1<sup>st</sup> December.
- **Southwest Bay of Bengal: Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely over adjoining Southwest Bay of Bengal on 30<sup>th</sup> November & 1<sup>st</sup> December.
- **Central Bay of Bengal: Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely over adjoining central Bay of Bengal 30<sup>th</sup> November and is likely to become **50-60 kmph gusting to 70 kmph** on 1<sup>st</sup> December.

#### (iii) Sea Condition:

- **Andaman Sea and Andaman & Nicobar Islands: Moderate to rough sea condition** is likely over South Andaman Sea and adjoining Andaman & Nicobar Islands, North Andaman Sea & Malacca Strait on 27<sup>th</sup> & 28<sup>th</sup> November.
- **Southeast Bay of Bengal: Rough to very Rough** Sea condition is likely over Southeast Bay of Bengal on 29<sup>th</sup> & 30<sup>th</sup> November and **very rough to high** on 1<sup>st</sup> December.
- **Southwest and adjoining Central Bay of Bengal: Rough to Very Rough to sea condition** is likely on 30<sup>th</sup> November and 1<sup>st</sup> December.

#### (iv) Fishermen Warning:

Fishermen are advised not to venture into:

- ✓ South Andaman Sea on 28<sup>th</sup> & 29<sup>th</sup> November.
- ✓ Southeast Bay of Bengal 29<sup>th</sup> November to 1<sup>st</sup> December.
- ✓ Southwest and adjoining central Bay of Bengal on 30<sup>th</sup> November and 1<sup>st</sup> December.

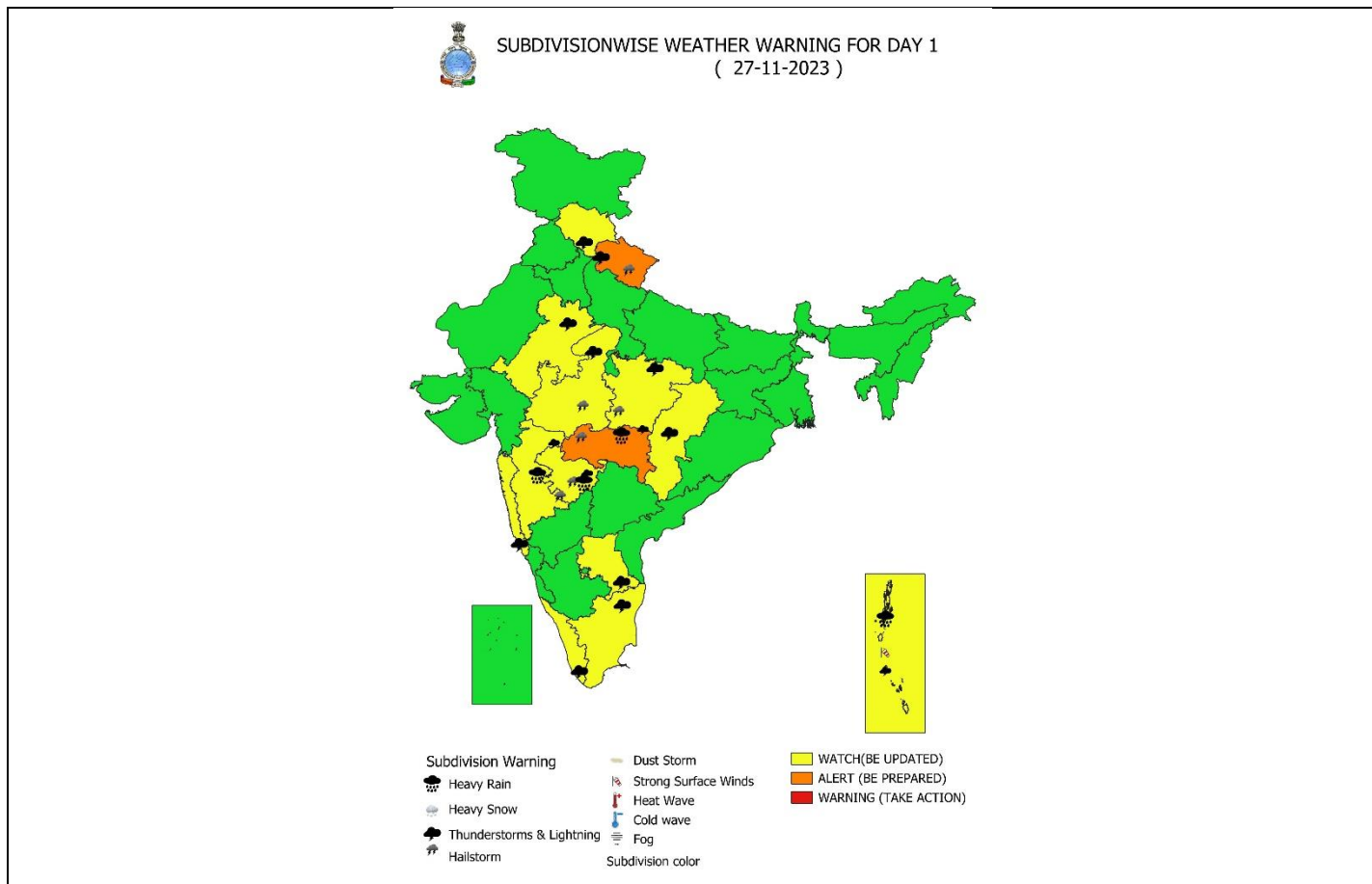
**The Fishermen out at sea are advised to return to Islands by 27<sup>th</sup> November evening.**

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)

and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

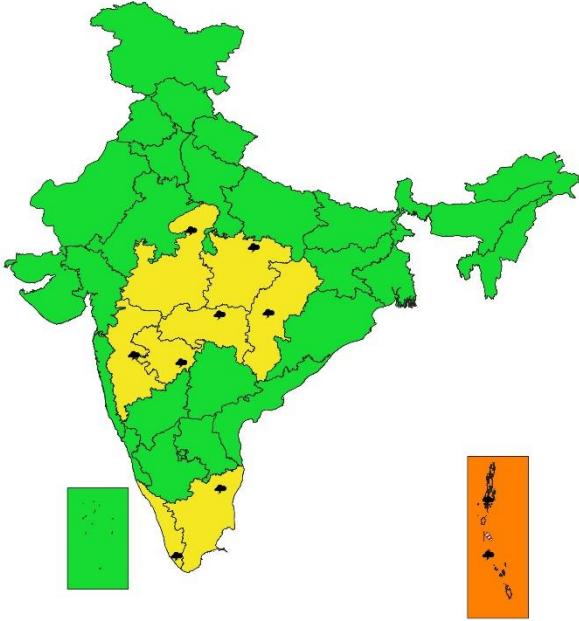
**Realized weather during past 24 hours till 0830 hours IST of today:**

- ❖ **Hailstorms** reported at isolated places over South Rajasthan (Jalore), West Madhya Pradesh (Ratlam, Ujjain, Khargone and Jhabua), Madhya Maharashtra (Nashik), Marathwada (Aurangabad district) and Gujarat region.
- ❖ **Gusty winds** reported over Madhya Pradesh.
- ❖ **Heavy to very heavy rainfall** at isolated places over Madhya Maharashtra and Gujarat Region and **heavy rainfall** at isolated places over Andaman & Nicobar Islands, West Madhya Pradesh, Saurashtra & Kutch, Marathwada and Tamil Nadu.
- ❖ **Significant Rainfall Amount:**
  - **Madhya Maharashtra:** Taloda (dist Nandurbar) 15, Jamner (dist Jalgaon) 9, Yaval (dist Jalgaon) 8, Nandurbar (dist Nandurbar) 7, Shahada (dist Nandurbar) 7, Shirpur (dist Dhule) 7;
  - **Gujarat Region:** Sagbara (dist Narmada) 14, Navasari\_aws (dist Navsari) 13, Umerpada (dist Surat) 12, Mandvi (dist Surat) 12, Kukarmunda (dist Tapi) 11, Kamrej (dist Surat) 10, Narmada\_kvks Aws (dist Narmada) 10, Surat City (dist Surat) 9, Surat\_kvks Aws (dist Surat) 9, Netrang (dist Bharuch) 9, Nadiad (dist Kheda) 8, Nizer (dist Tapi) 7, Palsana (dist Surat) 7, Ankleshwer (dist Bharuch) 7, Sankheda (dist Chhota Udepur) 7, Olpad (dist Surat) 7, Modasa (dist Aravalli) 7;
  - **Saurashtra & Kutch:** Chuda (dist Surendranagar) 11;
  - **West Madhya Pradesh:** Rama (dist Jhabua) 11, Niwali (dist Barwani) 11, Sendhwa (med) (dist Barwani) 11, Pansemal (dist Barwani) 10, Rajpur (dist Barwani) 10, Chachariyapati (dist Barwani) 9, Ranapur (dist Jhabua) 9, Badwani (dist Barwani) 9, Khargone-aws (dist Khargone) 8, Jhabua-aws (dist Jhabua) 8, Udaigarh (dist Alirajpur) 8, Warla (dist Barwani) 8, Maheshwar (dist Khargone) 8, Kukshi (dist Dhar) 7, Pati (dist Barwani) 7, Kathiwada (dist Alirajpur) 7, Alirajpur (dist Alirajpur) 7, Bhagwanpura (dist Khargone) 7, Anjad (dist Barwani) 7, Jhirnya (dist Khargone) 7, Bhikangaon (dist Khargone) 7, Bhabhra (dist Alirajpur) 7, Sondwa (dist Alirajpur) 7, Gogawan (dist Khargone) 7;
  - **Tamil Nadu:** Kancheepuram Taluk office (dist Kancheepuram) 10 cm;
  - **Marathwada:** Purna (dist Parbhani) 9, Manvat (dist Parbhani) 8, Parbhani - Imd Obsy (dist Parbhani) 8, Jafrabad (dist Jalna) 7, Gangapur (dist Chh. Sambhajinagar) 7, Pathri (dist Parbhani) 7, Selu (dist Parbhani) 7;
  - **Andaman & Nicobar Islands:** Car Nicobar (dist Nicobar) 8.





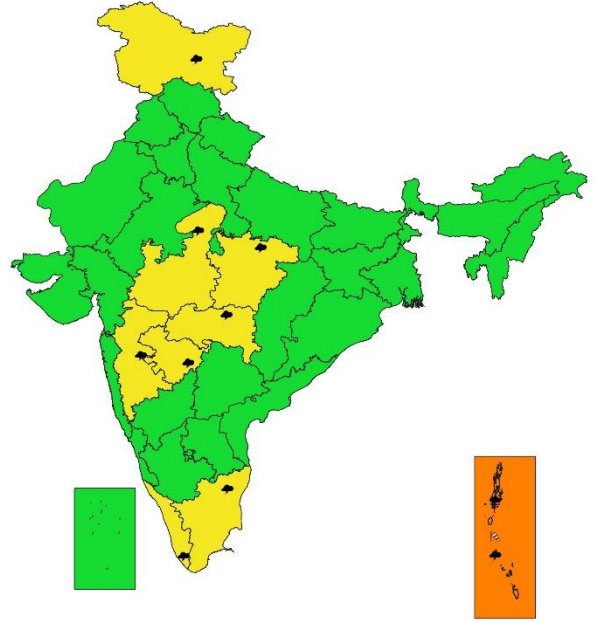
**SUBDIVISIONWISE WEATHER WARNING FOR DAY 2  
( 28-11-2023)**



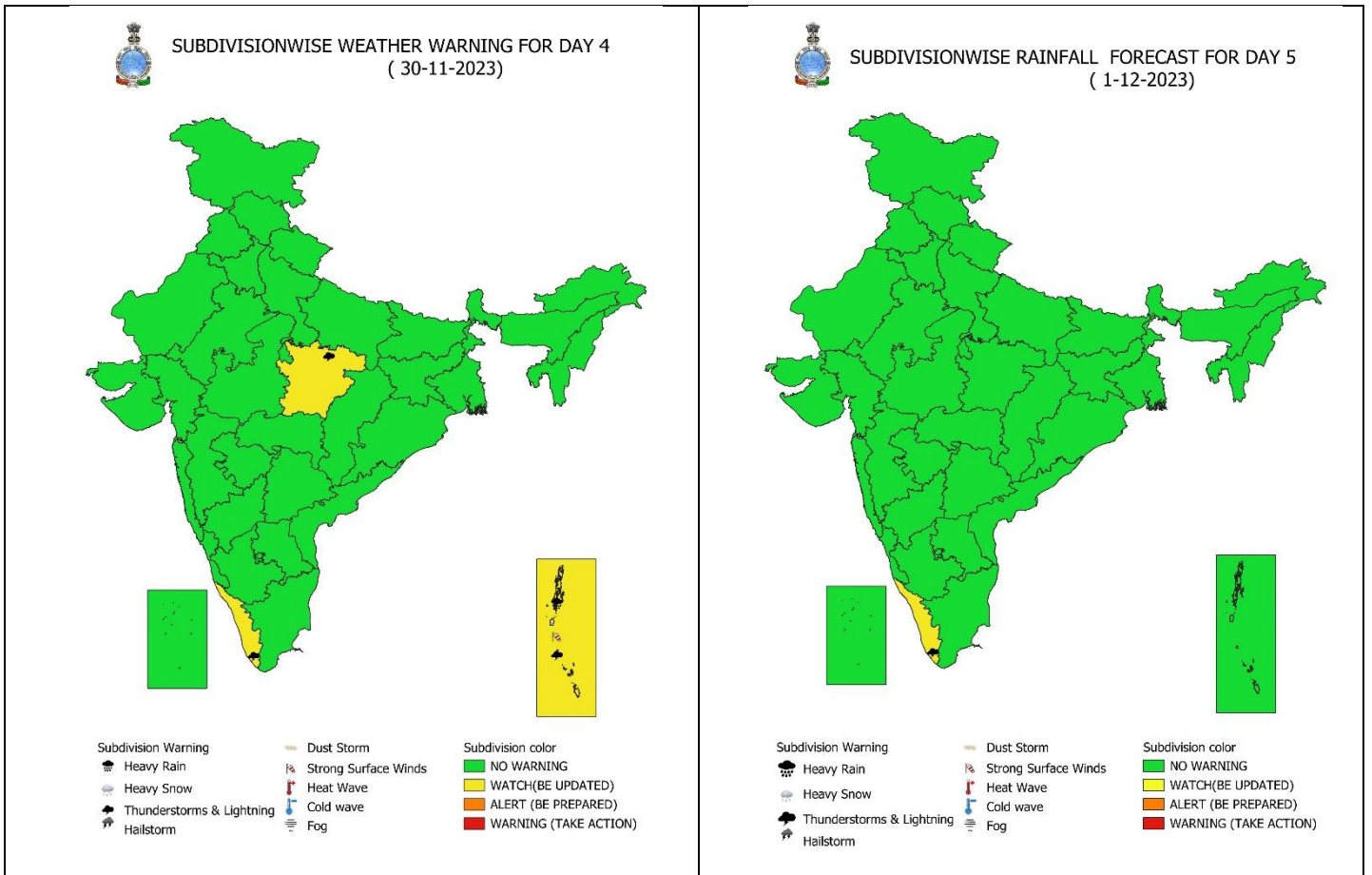
- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <b>Subdivision Warning</b> | Dust Storm           | <b>Subdivision color</b> |
| Heavy Rain                 | Strong Surface Winds | NO 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 3  
( 29-11-2023)**



- |                            |                      |                          |
|----------------------------|----------------------|--------------------------|
| <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)    |



**Impact expected and action suggested due to isolated thunderstorm with lightning/gusty winds & Hailstorm over Uttarakhand, Madhya Pradesh, Vidarbha, north Madhya Maharashtra and Marathwada on 27<sup>th</sup> November, 2023.**

**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.

## **Agromet advisories for heavy rainfall, gusty winds and hailstorms likely over various parts of the country**

**(Based on the IBF and advisories issued by different AMFUs and DAMUs)**

- Drain out excess water from standing crop fields to avoid water stagnation in Tamil Nadu, Gujarat, North Marathwada, North Madhya Maharashtra, West Madhya Pradesh, Vidharbha and Andaman & Nicobar Islands.
- Use hail nets in orchards for protection of fruits and provide staking to vegetables in Uttarakhand, Madhya Pradesh, Vidarbha and North Marathwada.
- Keep harvested produce in safer places or cover the harvested produce in the fields with tarpaulin/polythene sheets.
- Provide mechanical support to horticultural crops.

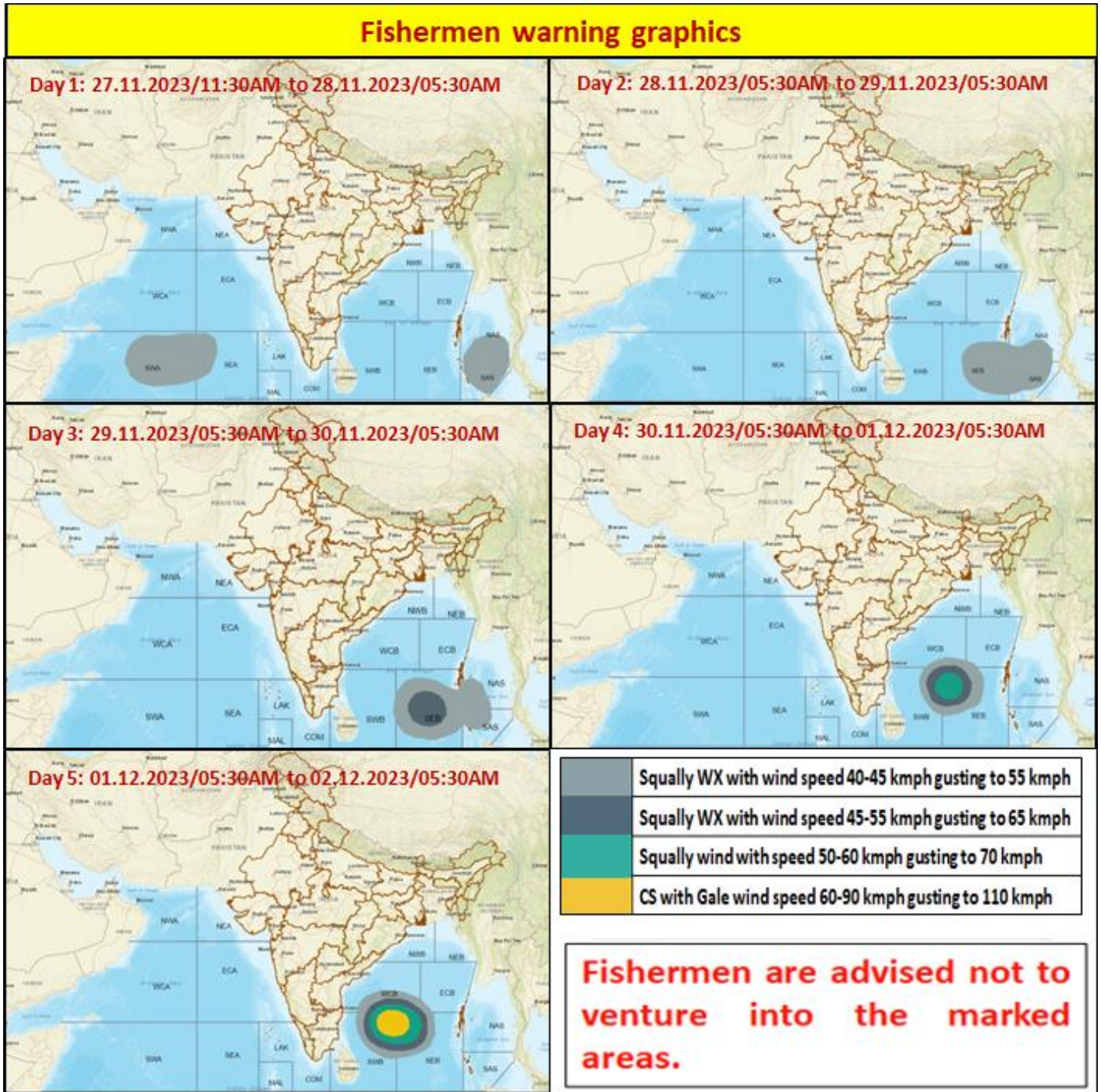
### **Impact & Action Suggested due to very heavy rainfall over Nicobar Islands during 27<sup>th</sup> - 30<sup>th</sup> November, 2023.**

#### **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:** >204.4mm.
- ❖ **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.

<b>SPATIAL DISTRIBUTION</b> (% 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)

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

<b>Flash Flood Risk</b>	
	High Risk (Take Action)
	Moderate Risk (Be Prepared)
	Low Risk (Be Updated)