



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 27th 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 27th 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 27th-29th November with significant reduction thereafter.
 - **Isolated heavy rainfall** very likely over Vidarbha, north Madhya Maharashtra and Marathwada on 27th November, 2023.
 - **Hailstorm also likely** at isolated places very likely over Uttarakhand, Madhya Pradesh, Vidarbha, north Madhya Maharashtra and Marathwada on 27th November, 2023.
 - Light rainfall at isolated places very likely over the plains of Northwest India on 27th 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 27th November. It is likely to move west-northwestwards and intensify into a Depression over southeast Bay of Bengal around 29th 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 27th to 30th November with isolated **heavy to very heavy rainfall** on 28th and 29th 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 27th and likely to become **20-25 kmph gusting to 35 kmph** on 28th 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 29th. It is likely to increase becoming **50-60 kmph gusting to 70 kmph** on 30th November, **Gale Wind** speed reaching **60-70 kmph gusting to 80 kmph** on 1st 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 30th November & 1st December.
- **Central Bay of Bengal: Squally wind** speed reaching **40-50 kmph gusting to 60 kmph** is likely over adjoining central Bay of Bengal 30th November and is likely to become **50-60 kmph gusting to 70 kmph** on 1st 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 27th & 28th November.
- **Southeast Bay of Bengal: Rough to very Rough** Sea condition is likely over Southeast Bay of Bengal on 29th & 30th November and **very rough to high** on 1st December.
- **Southwest and adjoining Central Bay of Bengal: Rough to Very Rough to sea condition** is likely on 30th November and 1st December.

(iv) Fishermen Warning:

Fishermen are advised not to venture into:

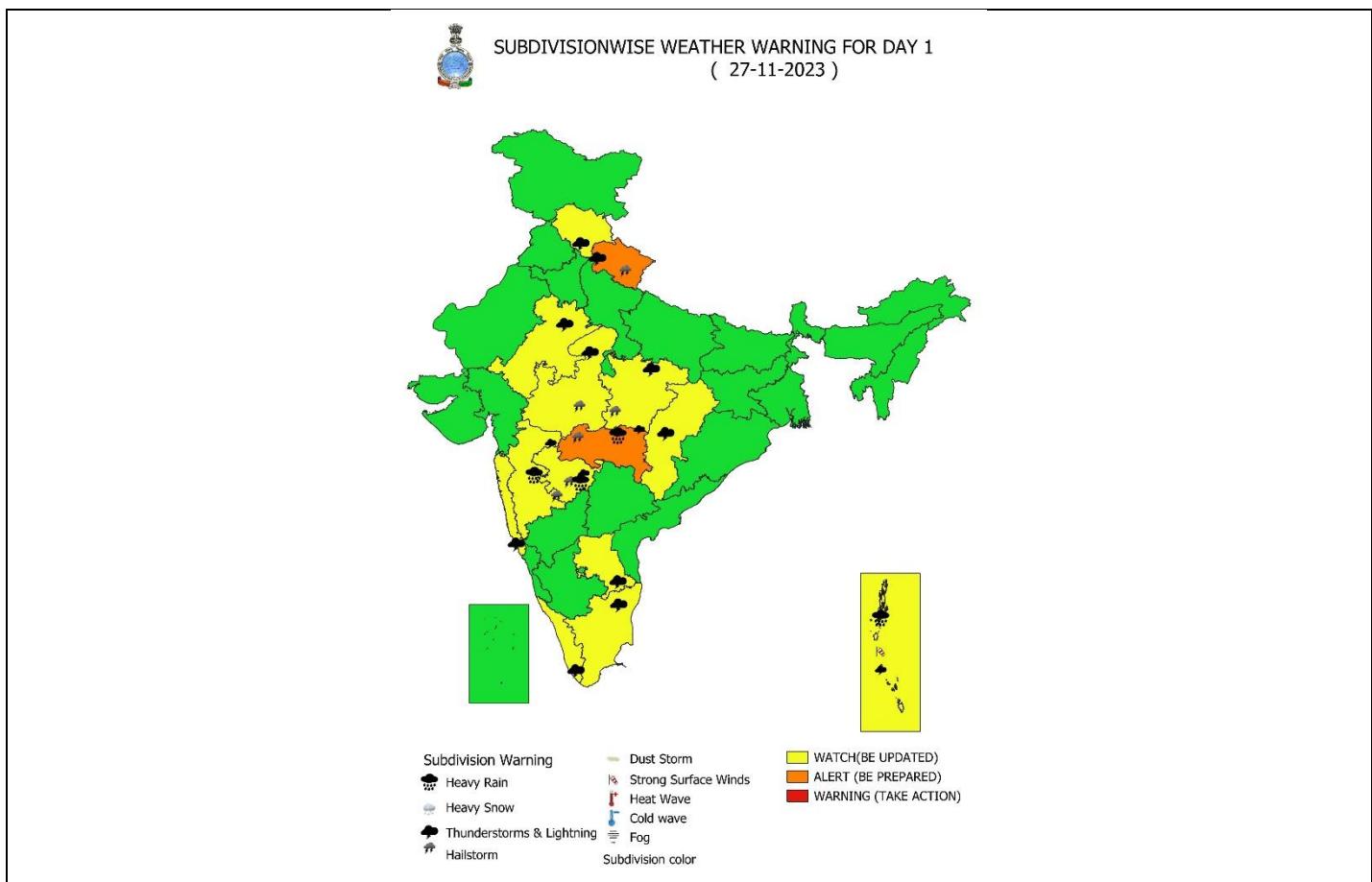
- ✓ South Andaman Sea on 28th & 29th November.
- ✓ Southeast Bay of Bengal 29th November to 1st December.
- ✓ Southwest and adjoining central Bay of Bengal on 30th November and 1st December.

The Fishermen out at sea are advised to return to Islands by 27th November evening.

For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php
and <https://mausam.imd.gov.in/responsive/cycloneinformation.php>

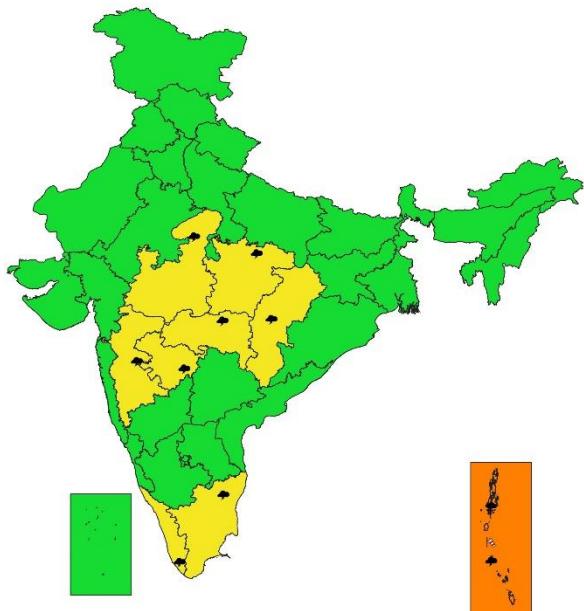
Realized weather during past 24 hours till 0830 hours IST of today:

- ❖ **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_kv Aws (dist Narmada) 10, Surat City (dist Surat) 9, Surat_kv 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)



Subdivision Warning

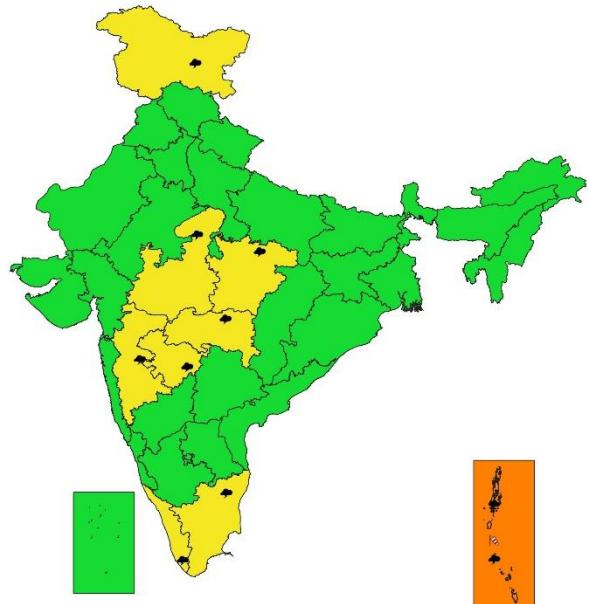
- Dust Storm
- Heavy Rain
- Strong Surface Winds
- Heavy Snow
- Heat Wave
- Cold wave
- Thunderstorms & Lightning
- Fog
- Hailstorm

Subdivision color

- NO WARNING
- WATCH(BE UPDATED)
- ALERT (BE PREPARED)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 3
(29-11-2023)



Subdivision Warning

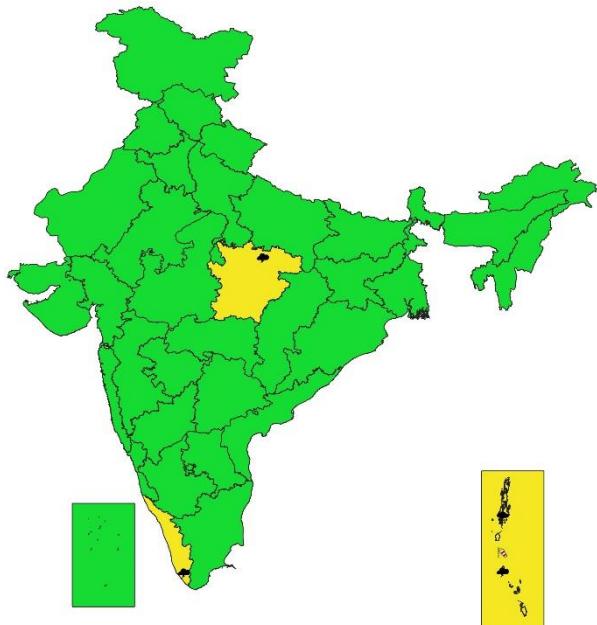
- Dust Storm
- Heavy Rain
- Strong Surface Winds
- Heavy Snow
- Heat Wave
- Cold wave
- Thunderstorms & Lightning
- Fog
- Hailstorm

Subdivision color

- NO WARNING
- WATCH(BE UPDATED)
- ALERT (BE PREPARED)
- WARNING (TAKE ACTION)



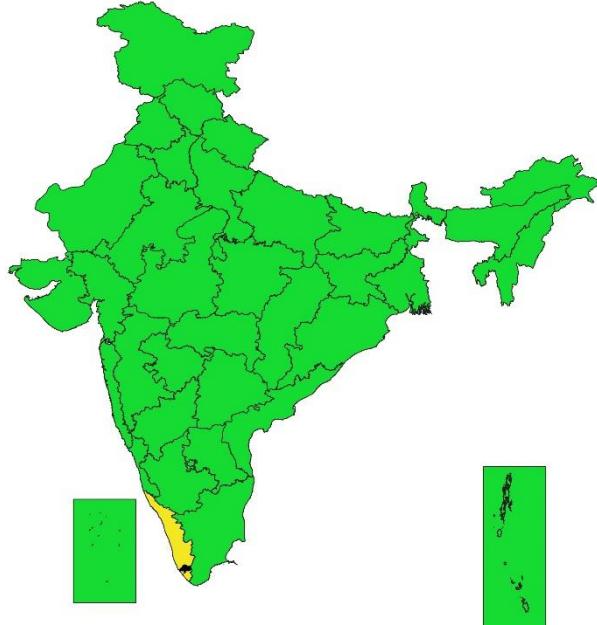
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(30-11-2023)



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)



SUBDIVISIONWISE RAINFALL FORECAST FOR DAY 5
(1-12-2023)



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)

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 27th 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, Vidarbha 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.

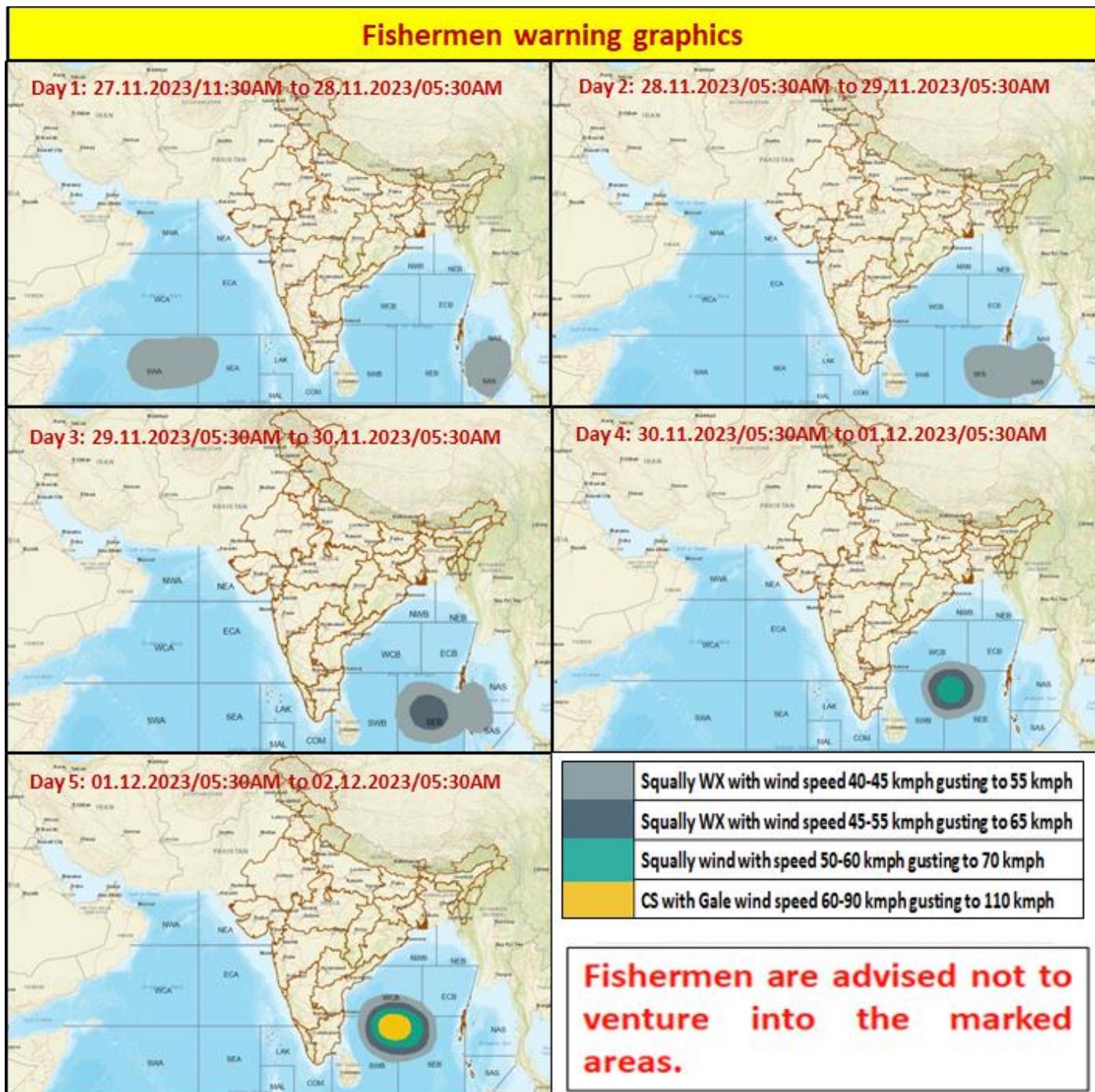
Impact & Action Suggested due to very heavy rainfall over Nicobar Islands during 27th - 30th November, 2023.

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 kutch 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.

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)	