



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

**Press Release
Date: 07th May, 2023
Time of Issue: 1330 hours IST**

Subject: Heavy to very heavy rainfall and Squally winds over Andaman & Nicobar Islands during 08th to 12th May

Weather observed during past 24 hours ending at 0830 hrs IST of today: (Refer Annexure I for details)

Significant Meteorological features:

- ❖ A Western Disturbance lies as a cyclonic circulation over north Pakistan & neighbourhood in lower tropospheric levels.
- ❖ A cyclonic circulation lies over northeast Rajasthan & neighbourhood in lower tropospheric levels.
- ❖ A cyclonic circulation lies over Southwest Bay of Bengal off north Tamilnadu coast in lower & middle tropospheric levels.
- ❖ The cyclonic circulation over southeast Bay of Bengal and neighbourhood now lies over southeast Bay of Bengal & adjoining south Andaman Sea and extends upto middle tropospheric levels.

Forecast and warning in association with cyclogenesis over Bay of Bengal:

Under the influence of cyclonic circulation over southeast Bay of Bengal & adjoining south Andaman Sea, a **low pressure area** is likely to form over the same region on 8th May. It is likely to intensify into a **depression** over Southeast Bay of Bengal and adjoining South Andaman Sea around 9th May. Thereafter, it is likely to intensify into a **cyclonic storm** while moving nearly northwards towards central Bay of Bengal and adjoining north Andaman Sea. The details of its path and intensification will be provided after the formation of the low pressure area. The system is under constant watch and being monitored regularly.

Rainfall Warning:

- ❖ Moderate rainfall at most places during 8th-12th with scattered heavy to very heavy rainfall and isolated extremely heavy falls very likely over Andaman & Nicobar Islands on 10th & 11th May and isolated heavy to very heavy rainfall on 8th, 9th and 12th May 2023.

Wind Warning:

- ❖ Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over southeast Bay of Bengal, Andaman & Nicobar Islands and adjoining Andaman Sea on 7th and 8th May.
- ❖ Wind speed would gradually increase becoming 50-60 kmph gusting to 70 kmph over southeast Bay of Bengal, Andaman & Nicobar Islands and adjoining Andaman Sea on 9th May.
- ❖ Wind speed would further increase gradually becoming 60-70 kmph gusting to 80 kmph over southeast and adjoining central Bay of Bengal, Andaman & Nicobar Islands and Andaman Sea on 10th and 11th May.

Sea Conditions:

- ❖ Sea condition is likely to be rough over southeast Bay of Bengal and adjoining south Andaman Sea from 7th May onwards and very rough from 9th May onwards. It is likely to be very rough to high over southeast and adjoining central Bay of Bengal and Andaman Sea from 10th May onwards till 12th May.

Advisory:

- ❖ Fishermen, small ships, boats and trawlers are advised not to venture into southeast Bay of Bengal and adjoining areas of Andaman Sea from 7th May onwards and into southeast & adjoining central Bay of Bengal and Andaman Sea from 9th May onwards.
- ❖ Those who are over southeast Bay of Bengal and adjoining south Andaman Sea are advised to return to safer places and those over central Bay of Bengal and north Andaman Sea are advised to return before 9th May.
- ❖ Regulation of tourism and offshore activities and shipping near Andaman and Nicobar Islands during 8th - 12th May and
- ❖ Regulation of shipping activity over the sea areas of southeast & central Bay of Bengal and Andaman Sea during 8th-12th May.

Forecast and warning over rest parts of the country during next five days:**Northwest India:**

- ❖ Scattered to fairly widespread rainfall/snowfall with thunderstorm/lightning/gusty winds very likely over Western Himalayan region on 07th & 08th May and isolated rainfall over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh on 07th May.
- ❖ **Hailstorm** very likely over Uttarakhand on 07th & 08th; Himachal Pradesh and Punjab on 07th May.

South India:

- ❖ Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over Kerala & Mahe, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; light isolated rainfall over the rest parts of the region during next 5 days.
- ❖ **Heavy rainfall** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal on 07th May; over Kerala & Mahe during 09th-11th May and over South Interior Karnataka on 10th-11th May.

Northeast India:

- ❖ Scattered to fairly widespread rainfall likely over Arunachal Pradesh & Assam & Meghalaya during next 5 days with **isolated heavy rainfall/snowfall** over Arunachal Pradesh on 09th & 10th May.

No significant weather likely over rest parts of the country.**Maximum Temperatures, its forecast and Heat Wave Warnings (Graphics in Annexure II):**

- ❖ Yesterday, Maximum Temperatures were below 40°C over most parts of the country. These were below normal by 2-4°C over most parts of the country except isolated pockets of east & northeast India and West coast, where these were near normal.
- ❖ Maximum temperatures are very likely to increase by 3-5°C over most parts of the country during next 5 days and become near normal over Northwest India by 08th May and over remaining parts of the country by 10th May.
- ❖ **No Heat wave conditions likely over any part of India during next 5 days.**

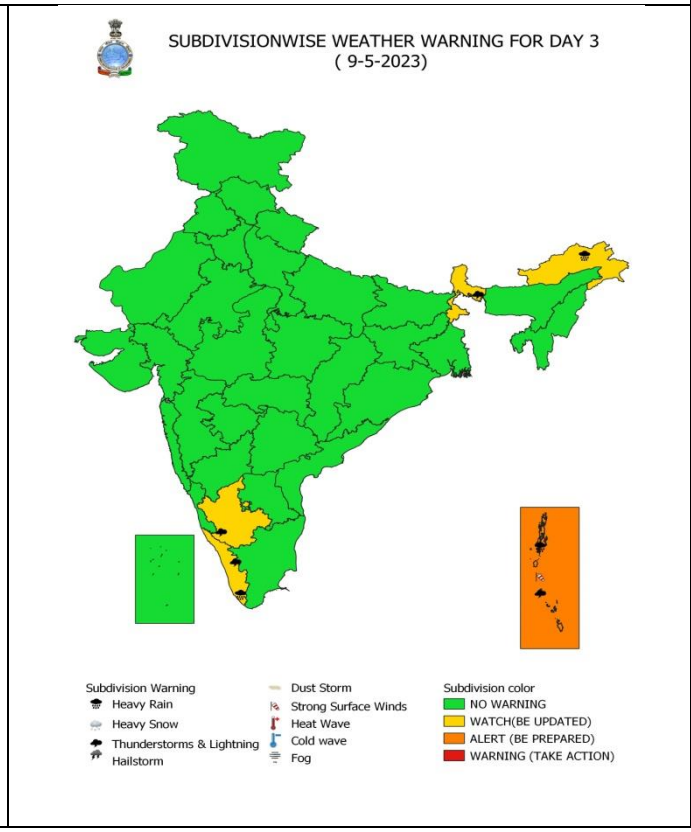
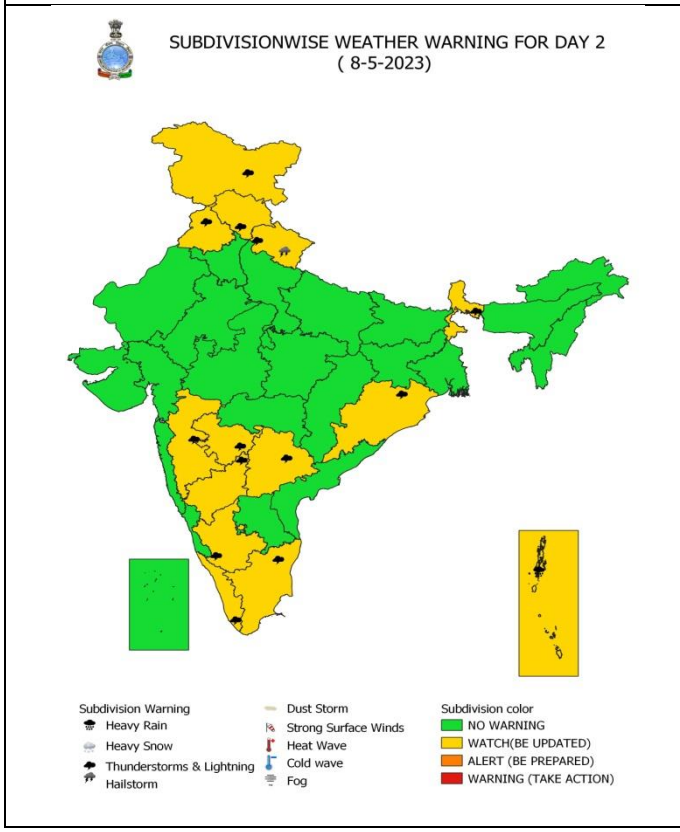
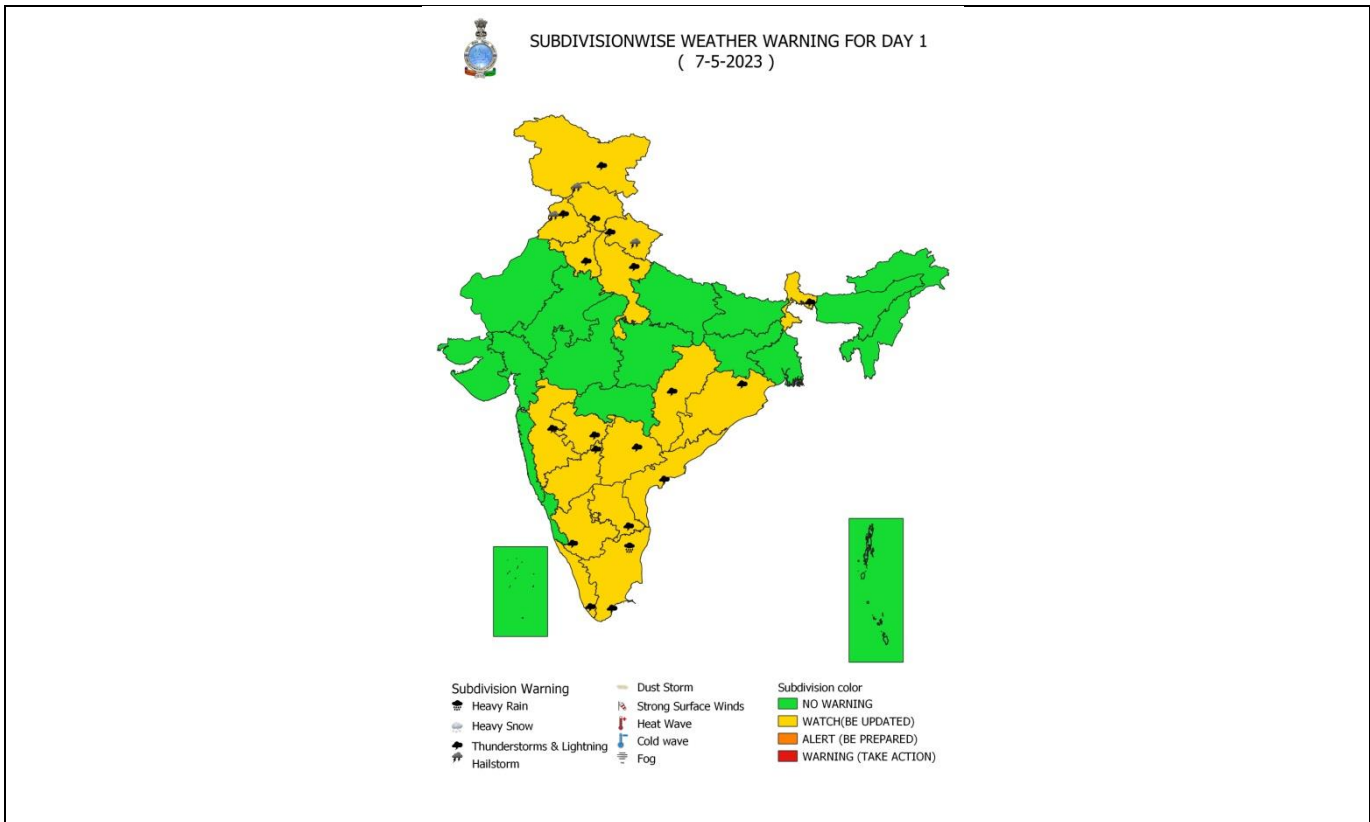
For more details kindly refer:

https://mausam.imd.gov.in/responsive/all_india_forcast_bulletin.php

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

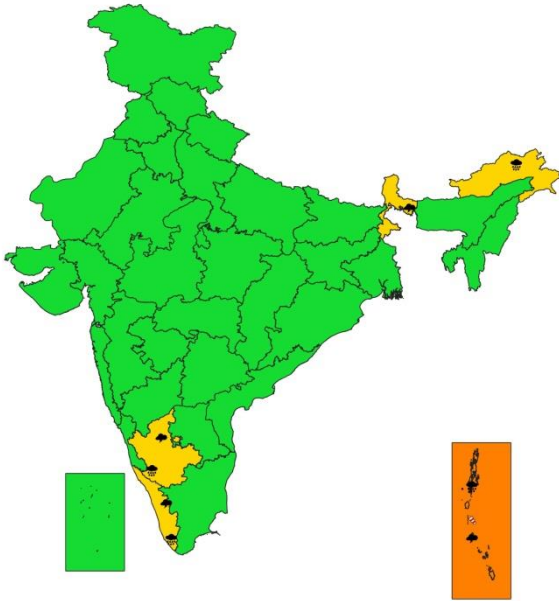
Observations: (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Rainfall/thundershowers observed: at most places over** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, South Interior Karnataka; **at many places** over Himachal Pradesh, Arunachal Pradesh, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe; **at a few places** over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam; **at isolated places** over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, East Rajasthan, West Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Madhya Maharashtra, Marathwada, Konkan & Goa, Telangana and North Interior Karnataka.
- ❖ **Significant rainfall recorded** (in cm): **Telangana:** Nagar Kurnool (dist Nagarkurnool) 12, Chandur (dist Nalgonda) 7, Mulakalapalle (dist B. Kothagudem) 5, Kalwakurthy (dist Nagarkurnool) 4, Mahbubnagar (dist Mahabubnagar) 4, Bhadrachalam(arg) (dist B. Kothagudem) 4, Vangoor (dist Nagarkurnool) 4, Bhadrachalam (dist B. Kothagudem) 4, Wadenapally(arg) (dist Suryapet) 4; **Tamilnadu:** Rsci Vallam (dist Villupuram), Viralimalai (dist Pudukkottai) 9 each, Basl Mugaiyur (dist Villupuram), Tallakulam (dist Madurai) 8 each, Nemoor (dist Villupuram) 7 each, Anandhapuram (dist Villupuram), Me Mathur (dist Cuddalore), Tiruvarur (dist Tiruvarur), Annavasal (dist Pudukkottai), Chinnakalar (dist Coimbatore), Velankanni (dist Nagapattinam) 5 each; **Rayalaseema:** Tadimarri (dist Sri Sathyasai District) 7, Kunurpi (dist Anantapuramu) 5, Gonegandla (dist Kurnool) 4; **Kerala:** Alappuzha 5, Kurudamannil (Pathanamthitta district), Peerumedu (Idukki district) & Neryamangalam ARG (Ernakulam district) 4 each; **Coastal Andhra Pradesh:** Parvathipuram (dist Parvathipuram Manyam) 6, Therlam (dist Vizianagaram) 4; **Himachal Pradesh:** Bharmaur (Dist Chamba) 3;
- ❖ **Heavy rainfall occurred:** Heavy to very heavy rainfall at isolated places over Telangana and heavy rainfall at isolated places over Rayalaseema, Tamil Nadu, Puducherry & Karaikal.
- ❖ **Thunderstorm Observed:** at isolated places over Assam & Meghalaya, Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Rajasthan, Saurashtra & Kutch, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Hailstorm Observed:** at isolated places over Jammu Division, Madhya Maharashtra.





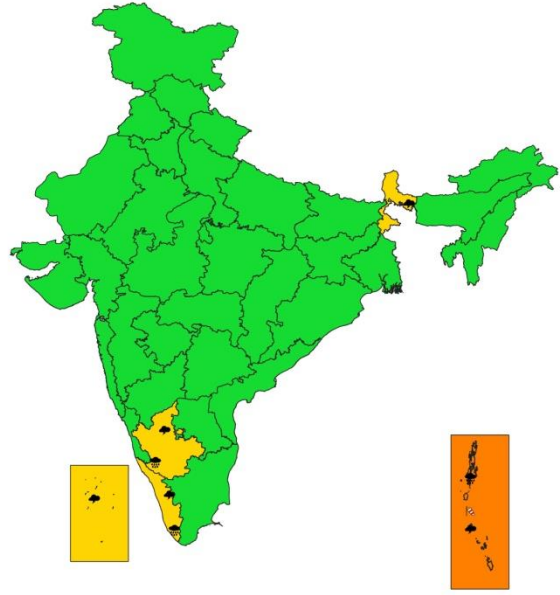
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(10-5-2023)



- | | | |
|-----------------------------|------------------------|-------------------------|
| 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) |

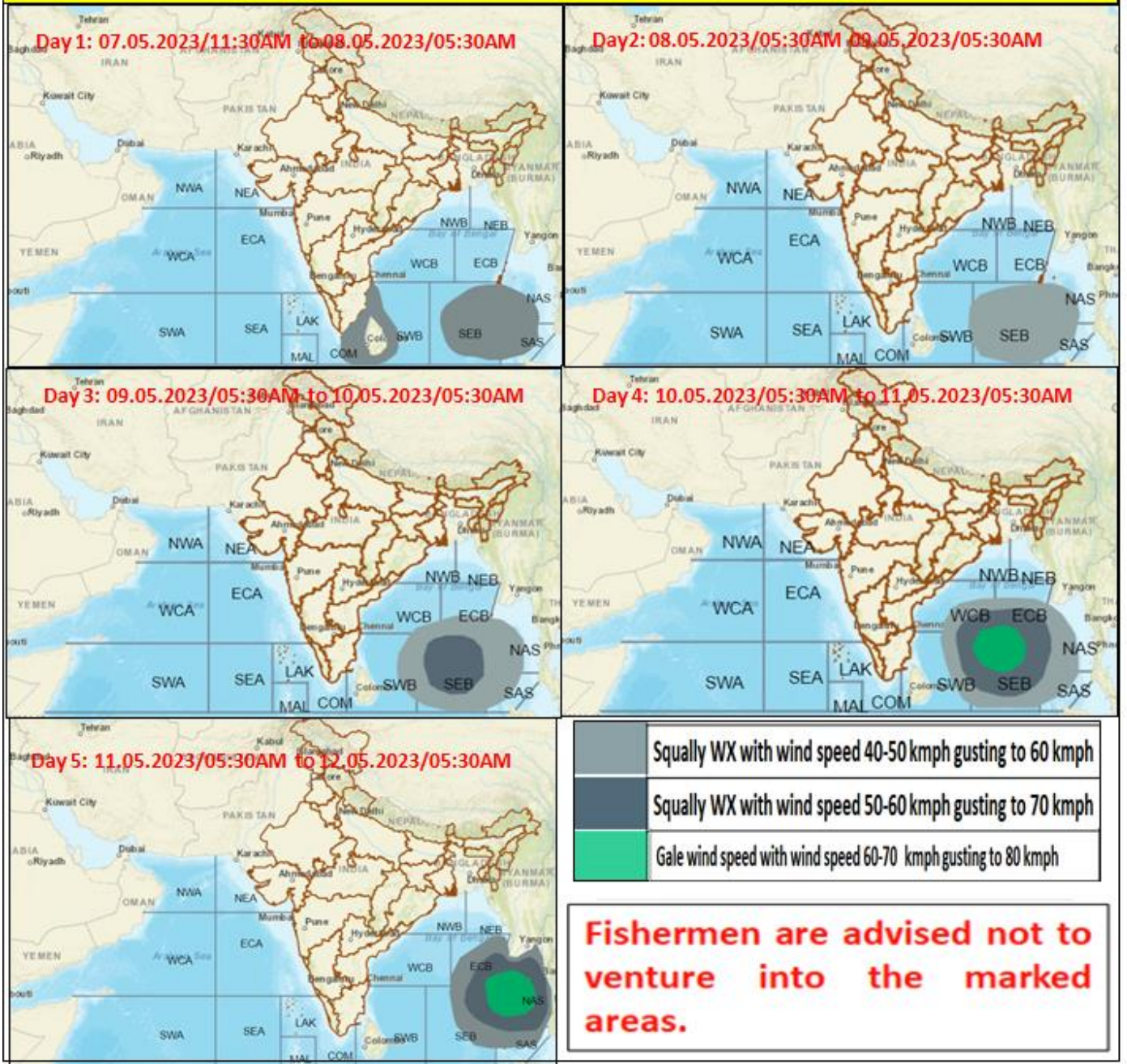


SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(11-5-2023)



- | | | |
|-----------------------------|------------------------|-------------------------|
| 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) |

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.

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

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