



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

**Press Release  
Date: 13<sup>th</sup> November, 2023  
Time of Issue: 1330 hours IST**

**Subject: i) A Low Pressure Area is likely to form over Southeast Bay of Bengal around 14<sup>th</sup> November. It is likely to move west-northwestwards and intensify into a Depression over Westcentral Bay of Bengal around 16<sup>th</sup> November, 2023.**

**ii) A fresh spell of heavy to very heavy rainfall is likely over Southeast Peninsular India during 13<sup>th</sup>-15<sup>th</sup> November.**

**Rainfall recorded during past 24 hours till 0830 hours IST of today:**

- ❖ **Heavy rainfall** observed at isolated places over Lakshadweep and **Light to moderate rainfall** at isolated places over Tamil Nadu and Andaman & Nicobar Islands.
- ❖ **Significant Rainfall Amount (in cm): Lakshadweep:** Minicoy (dist Lakshadweep) 7; **Andaman Islands:** Port Blair-6; **Tamil Nadu:** Tirunelveli (dist Tirunelveli) 5

**Weather System, forecast & warnings for next 5 days: (Graphics in Annexure I)**

- ❖ An upper air cyclonic circulation lies over south Andaman Sea and extends upto middle-tropospheric levels tilting southwestwards with height. Under its influence, a **Low Pressure Area** is likely to form over Southeast Bay of Bengal during next 24 hours. It is likely to move west-northwestwards and intensify into a Depression over Westcentral Bay of Bengal around 16<sup>th</sup> November, 2023.
- ❖ **Another upper air cyclonic circulation** lies over southwest Bay of Bengal extending upto middle-tropospheric levels.
- ❖ Under their influence:
  - ✓ Light to moderate rainfall at most places very likely over Andaman & Nicobar Islands on 13<sup>th</sup> & 14<sup>th</sup> and at many places during subsequent 5 days. **Isolated heavy rainfall** with thunderstorm accompanied with lightning likely over the same region on 13<sup>th</sup> & 14<sup>th</sup> November.
  - ✓ Light to moderate rainfall at many places accompanied with thunderstorm, lightning & gusty winds likely over coastal Tamil Nadu, Puducherry, Karaikal, Kerala & Mahe, Coastal Andhra Pradesh & Yanam and Rayalaseema during 13<sup>th</sup>-15<sup>th</sup> November and gradual reduction during subsequent 2 days.
  - ✓ **Isolated heavy to very heavy rainfall also likely over coastal Tamil Nadu, Puducherry & Karaikal on 13<sup>th</sup> & 14<sup>th</sup>; over coastal Andhra Pradesh and Rayalaseema on 14<sup>th</sup> & 15<sup>th</sup> November and isolated heavy rainfall over Kerala & Mahe on 14<sup>th</sup> & 17<sup>th</sup> and over coastal Tamil Nadu, Puducherry & Karaikal on 15<sup>th</sup> November.**
  - ✓ Light to moderate rainfall at a few places very likely over coastal districts of Gangetic West Bengal and Odisha on 15<sup>th</sup> November. Light to moderate rainfall at many places **with isolated heavy rainfall over coastal areas of Gangetic West Bengal and Odisha on 16<sup>th</sup> November.**
  - ✓ Light to moderate rainfall at many places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura with **isolated heavy rainfall over Manipur, Mizoram and Tripura on 17<sup>th</sup> & 18<sup>th</sup> and over south Assam & east Meghalaya on 17<sup>th</sup> November.**
- ❖ **Fishermen warning (Graphics in Annexure II)**
  - ✓ **13<sup>th</sup> November: Squally weather (wind speed reaching 40-45 kmph gusting to 55 kmph)** very likely over Andaman Sea, Southwest Bay of Bengal and along & off Tamil Nadu, along & off Sri Lanka coasts, Gulf of Mannar and Comorin area.

- ✓ **14<sup>th</sup> November: Squally weather (wind speed reaching 40-45 kmph gusting to 55 kmph)** very likely over Southeast Bay of Bengal and adjoining Andaman Sea, Southwest Bay of Bengal and along & off Tamil Nadu, along & off Sri Lanka coasts, Gulf of Mannar and Comorin area.
- ✓ **15<sup>th</sup> November: Squally weather (wind speed reaching 40-45 kmph gusting to 55 kmph)** likely over Southeast Bay of Bengal and adjoining central Bay of Bengal.
- ✓ **16<sup>th</sup> November: Squally weather (wind speed reaching 45-55 kmph gusting to 65 kmph)** likely over Westcentral Bay of Bengal and adjoining Eastcentral Bay of Bengal.
- ✓ **17<sup>th</sup> November: Squally weather (wind speed reaching 45-55 kmph gusting to 65 kmph)** likely over Westcentral and North Bay of Bengal.

**Fishermen are advised not to venture into**

Andaman Sea on 13<sup>th</sup> & 14<sup>th</sup>;

Southwest Bay of Bengal and along & off Tamil Nadu-Sri Lanka coasts on 13<sup>th</sup> & 14<sup>th</sup>;

Gulf of Mannar and Comorin Area on 13<sup>th</sup> & 14<sup>th</sup>;

Southeast Bay of Bengal on 14<sup>th</sup> & 15<sup>th</sup>;

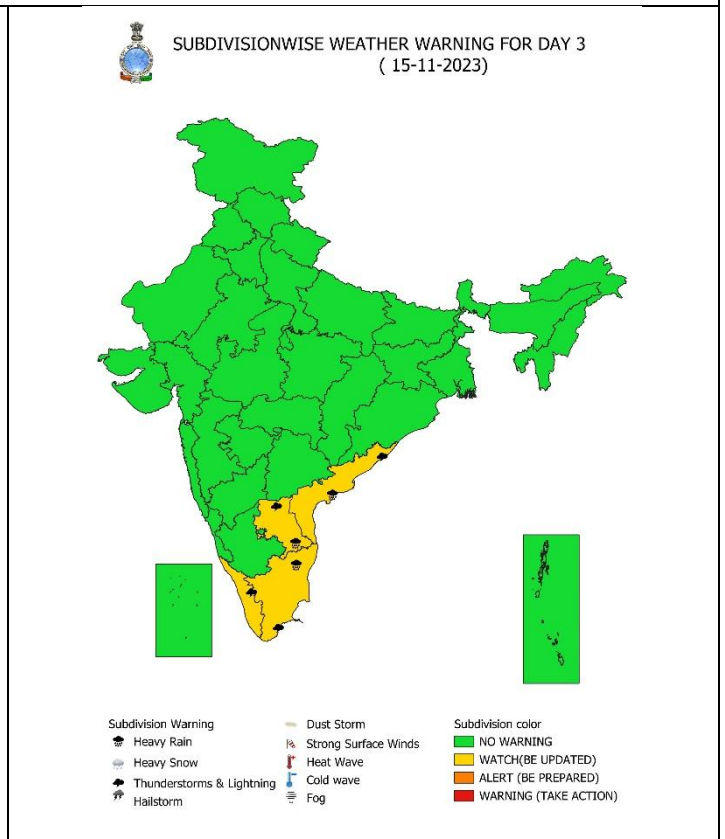
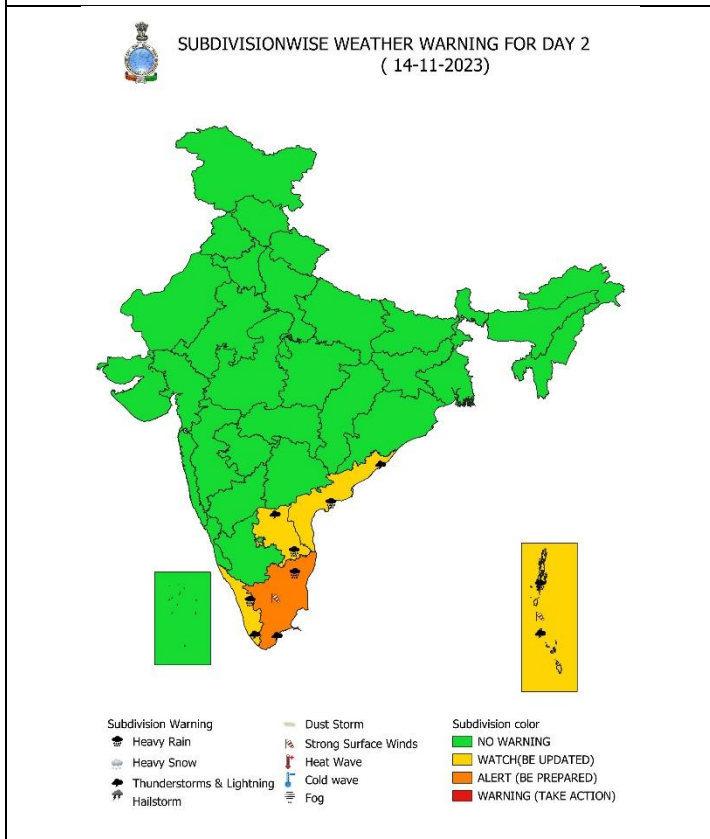
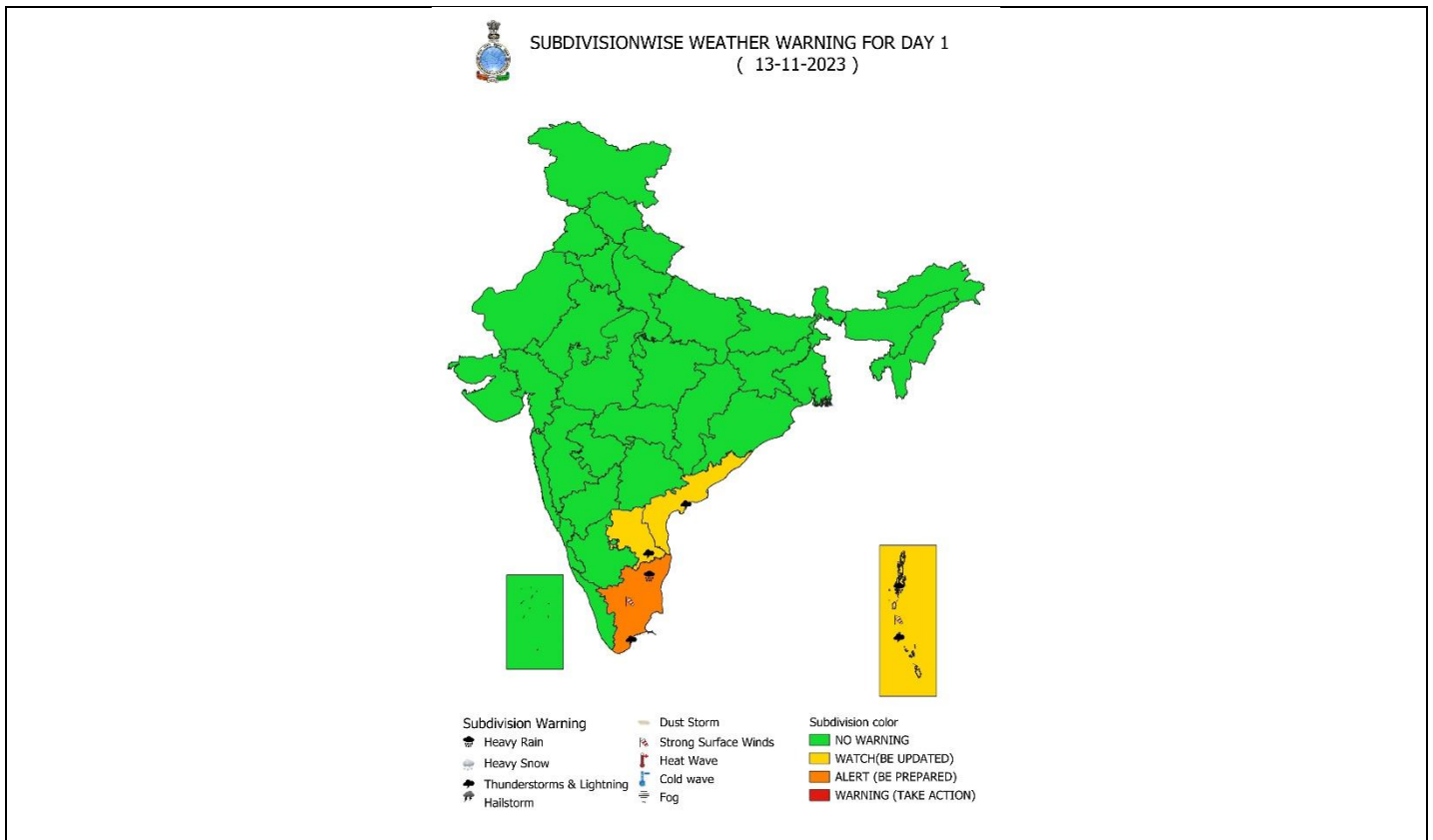
Westcentral Bay of Bengal during 15<sup>th</sup>-17<sup>th</sup>;

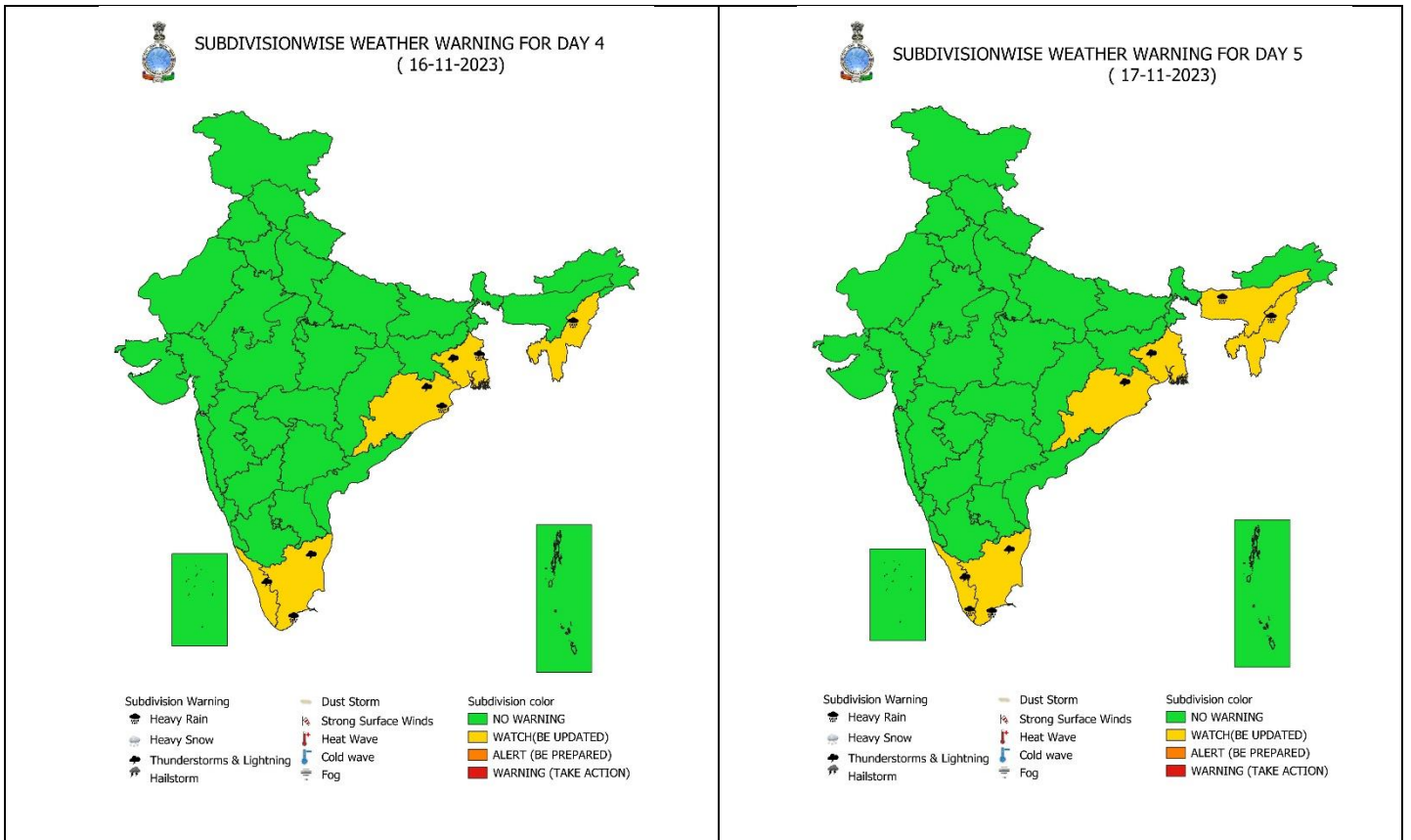
Eastcentral Bay of Bengal on 15<sup>th</sup> & 16<sup>th</sup>;

North Bay of Bengal on 17<sup>th</sup> November.

❖ **No significant weather likely over rest parts of the country.**

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)





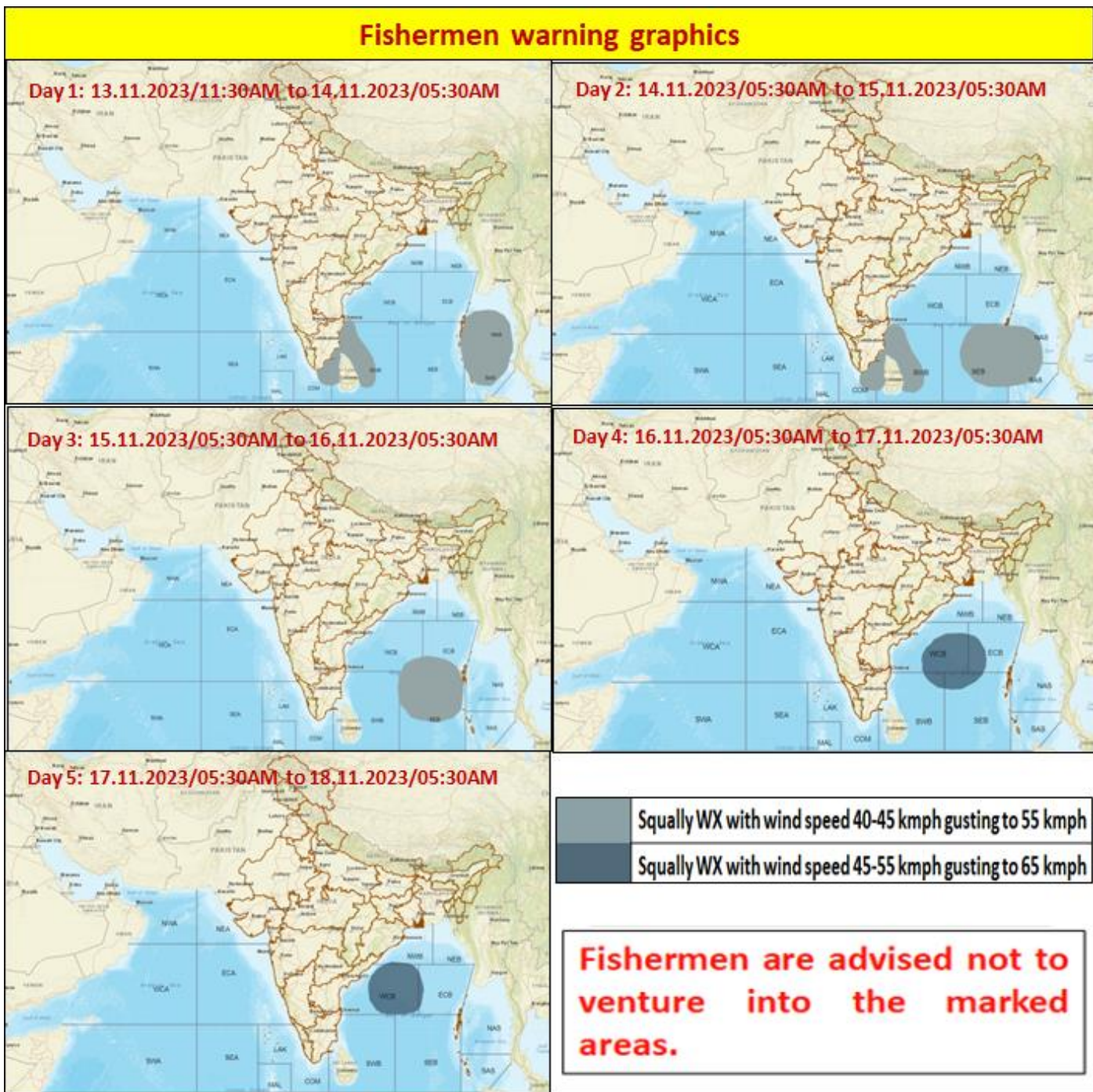
**Impact & Action Suggested due to very heavy rainfall** over coastal Tamil Nadu, Puducherry & Karaikal on 13<sup>th</sup> & 14<sup>th</sup> November.

### 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 kutchha 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 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)