



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

**Press Release
Date: 19th October, 2023
Time of Issue: 1330 hours IST**

Subject: (i) The Southwest Monsoon has withdrawn from the entire country today, the 19th October.
(ii) A Low-Pressure Area lies over Southeast & adjoining Southwest Arabian Sea. It is likely to become a Depression over Southwest & adjoining Westcentral Arabian Sea around 21st October.
(iii) A Low-Pressure Area is likely to form over central parts of Bay of Bengal by 21st October morning and likely to intensify further into a Depression over Westcentral Bay of Bengal around 23rd October.

No significant rainfall recorded during past 24 hours till 0830 hours IST of today, the 19th Oct, 2023.

Withdrawal of Southwest Monsoon: (Annexure I)

- ❖ The Southwest Monsoon has withdrawn from the remaining parts of the country today, the 19th October 2023.
- ❖ With the setting in of Easterlies/Northeasterlies over southern peninsular India, northeast monsoon rainfall activity is likely to commence over southern peninsular region in the next 72 hours. However, the initial phase of the northeast monsoon in general is likely to be weak.

Significant Weather features:

- ❖ Yesterday's Low-Pressure Area over Southeast & adjoining Eastcentral Arabian Sea moved nearly westwards and lay over Southeast & adjoining Southwest Arabian Sea at 0830 hours IST of today, the 19th October, 2023. It is likely to move nearly west-northwestwards and become **Well Marked Low Pressure Area** over Southwest Arabian Sea during next 24 hours and intensify into a **Depression** over Southwest & adjoining Westcentral Arabian Sea around 21st October.
- ❖ Yesterday's cyclonic circulation over southeast Bay of Bengal in lower tropospheric levels persisted over the same region. Under its influence a **Low-Pressure Area** is likely to form over central parts of Bay of Bengal by 21st morning. Thereafter, it is likely to intensify further into a **Depression** over Westcentral Bay of Bengal around 23rd October.
- ❖ A cyclonic circulation lies over Comorin area & neighbourhood in lower & middle tropospheric levels.

Weather warnings for next 5 days: (Graphics in Annexure II)

No significant weather over most parts of the country during next 5 days.

Weather warnings in association with the Low-Pressure Area over Southeast & adjoining Eastcentral Arabian Sea:

(i) Wind warning (Graphics in Annexure III):

- ❖ **Eastcentral Arabian Sea & Lakshadweep Area:** Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail on 19th October and decrease gradually thereafter.
- ❖ **Southeast Arabian Sea:** Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is prevailing near the system and it is likely to increase becoming squally wind speed reaching 40-50 kmph gusting to 60 kmph on 20th October. It would decrease gradually thereafter.
- ❖ **Southwest Arabian Sea:** Squally wind speed reaching 35-45 kmph gusting to 55 kmph is prevailing near the system and it is likely to gradually increase becoming squally wind speed reaching 45-55 kmph gusting to 65 kmph on 20th and 50-60 kmph gusting to 70 kmph on 22nd & 23rd October.
- ❖ **Westcentral Arabian Sea:** Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail on 20th October. It is likely to gradually increase becoming 45-55 kmph gusting to 65 kmph on 21st and 50-60 kmph gusting to 70 kmph on 22nd & 23rd October.

(ii) Fishermen Warning:

Fishermen are advised not to venture into

- ❖ Eastcentral Arabian Sea & Lakshadweep Area on 19th October.
- ❖ Southeast Arabian Sea on 19th & 20th October.
- ❖ Southwest Arabian Sea from 19th to 23rd October.
- ❖ Westcentral Arabian Sea from 20th to 23rd October.

The Fishermen out at sea are advised to return to coast.

Weather warnings in association with the Cyclonic Circulation over southeast Bay of Bengal

(i) Wind warning (Graphics in Annexure III):

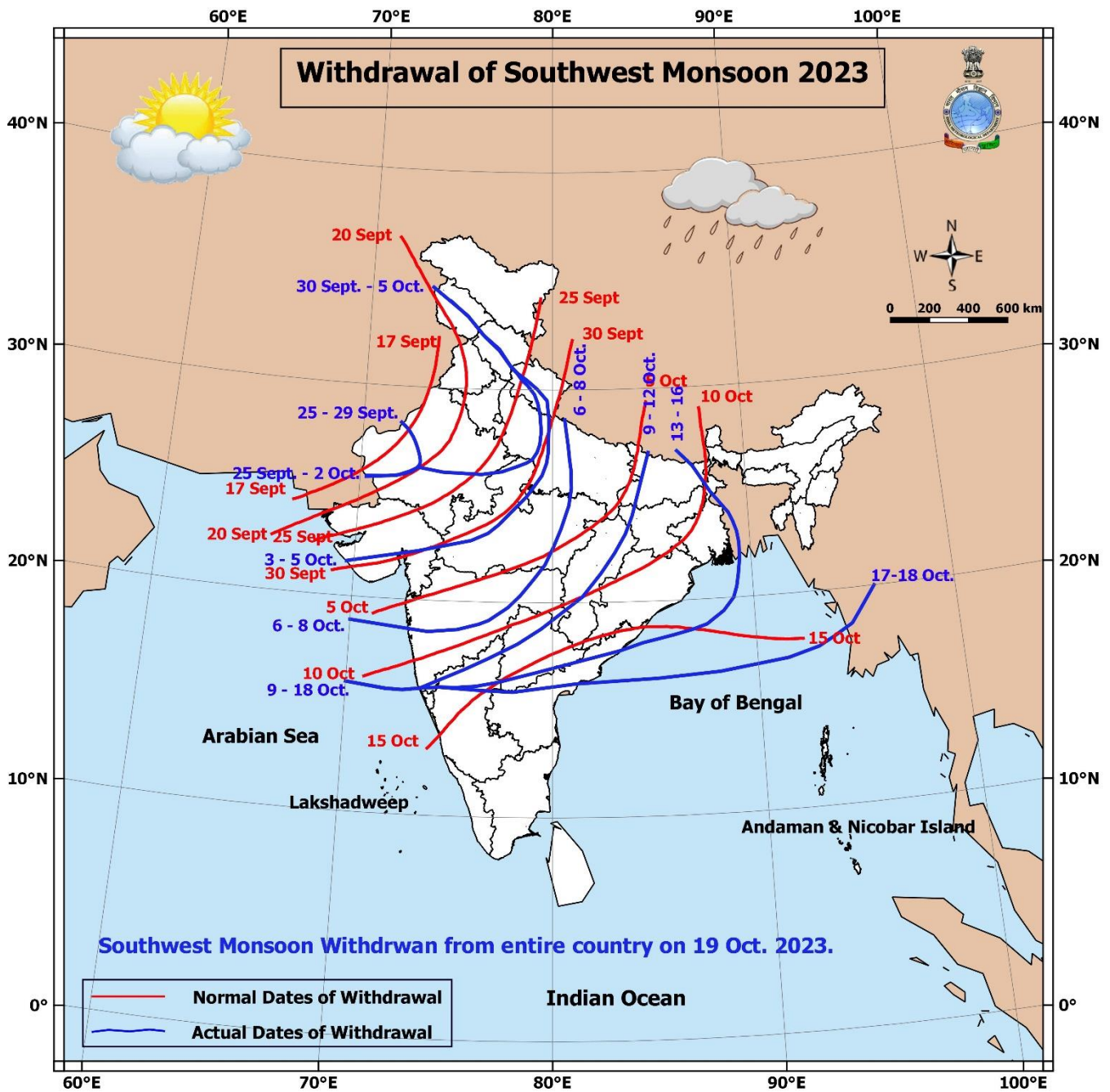
- ❖ **Southwest and adjoining southeast Bay of Bengal:** Squally wind speed reaching 35-45 kmph gusting to 55 kmph is prevailing near the system and it is likely to gradually increase becoming squally wind speed reaching 45-55 kmph gusting to 65 kmph on 21st & 22nd and 50-60 kmph gusting to 70 kmph on 23rd October.
- ❖ **Westcentral Bay of Bengal:** Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail on 21st October. It is likely to gradually increase becoming 45-55 kmph gusting to 65 kmph on 22nd and 50-60 kmph gusting to 70 kmph on 23rd October.

(ii) Fishermen Warning:

Fishermen are advised not to venture into

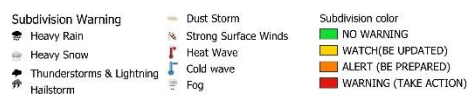
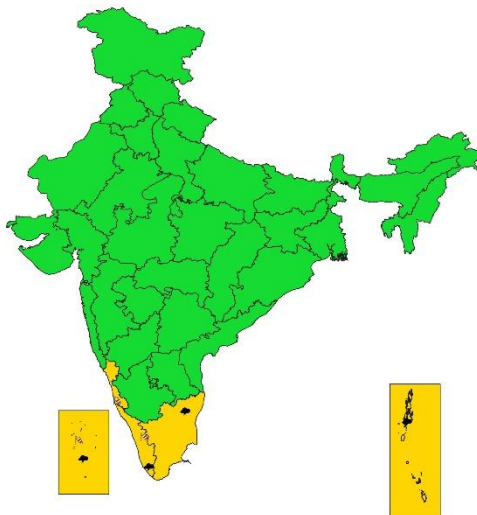
- ❖ Southwest and adjoining southeast Bay of Bengal from 20th to 23rd October.
- ❖ Westcentral Bay of Bengal from 21st October onwards.

For more details kindly refer: https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

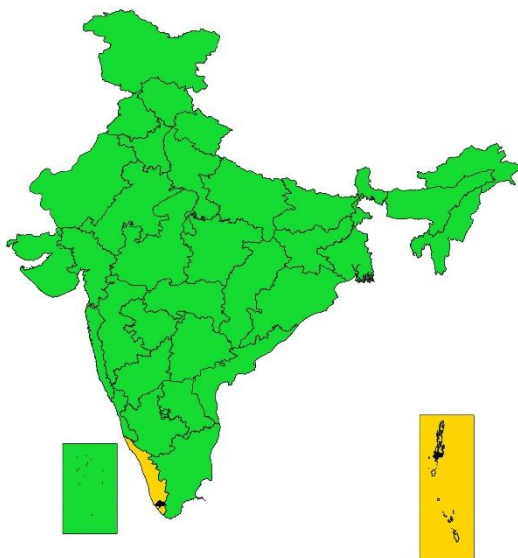




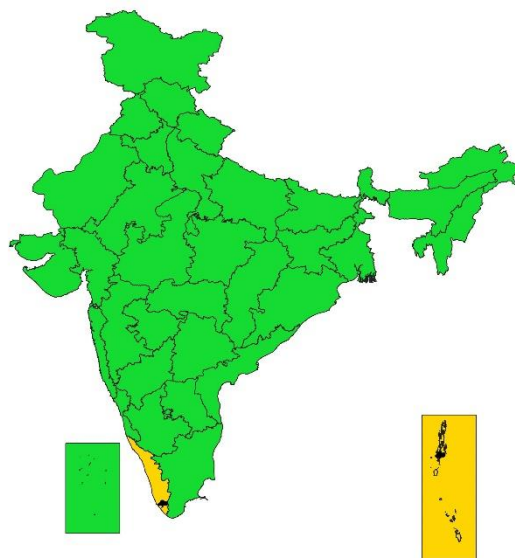
SUBDIVISIONWISE WEATHER WARNING FOR DAY 1 (19-10-2023)



SUBDIVISIONWISE WEATHER WARNING FOR DAY 2 (20-10-2023)

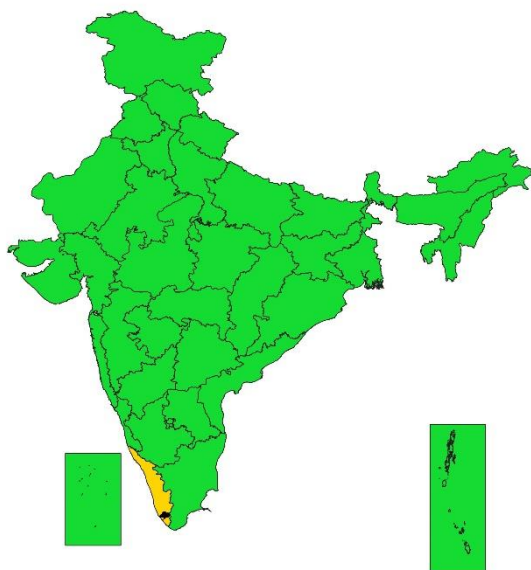


SUBDIVISIONWISE WEATHER WARNING FOR DAY 3 (21-10-2023)





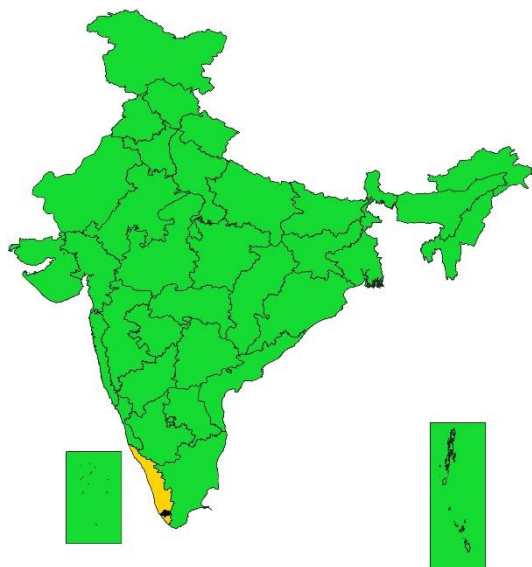
SUBDIVISIONWISE WEATHER WARNING FOR DAY 4
(22-10-2023)



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

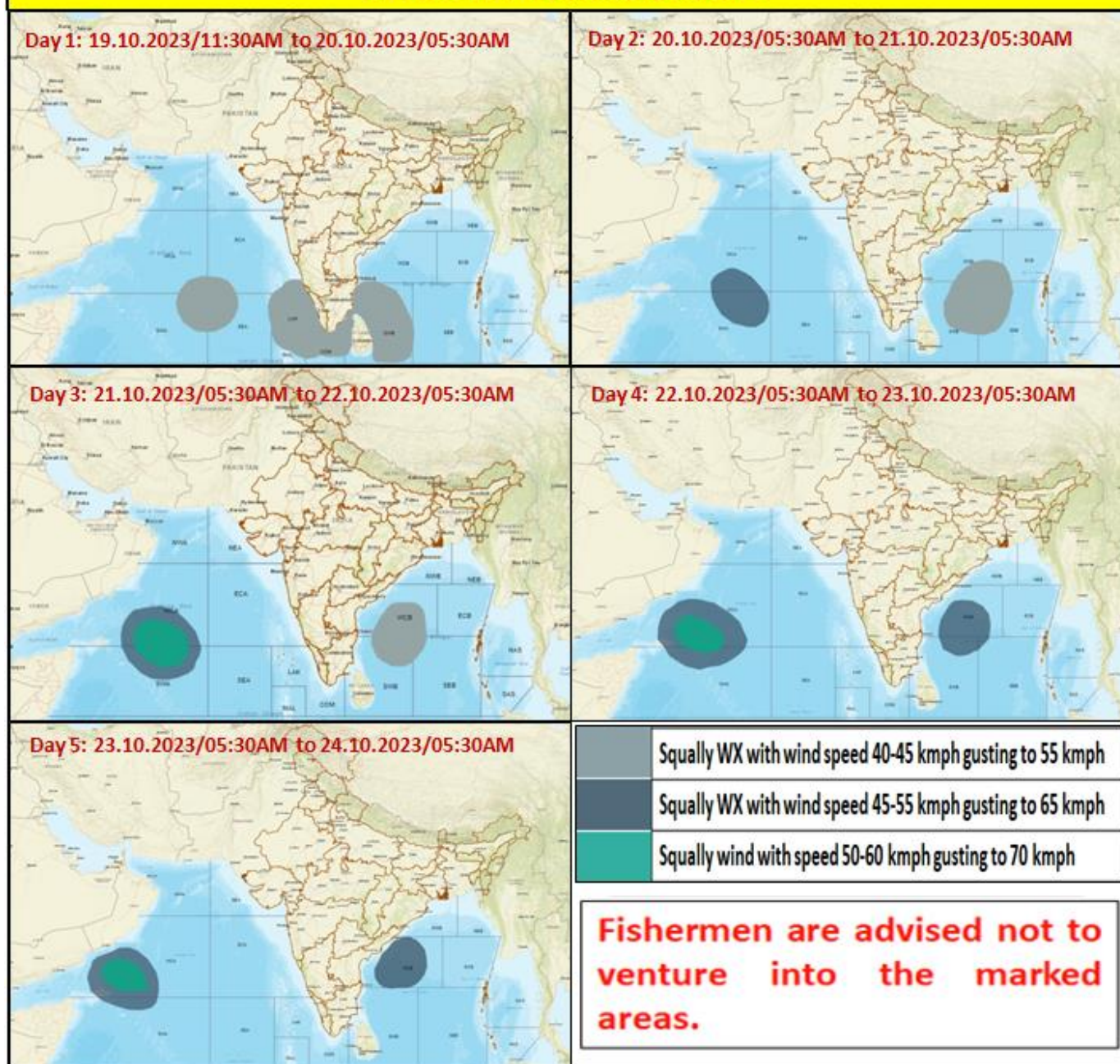


SUBDIVISIONWISE WEATHER WARNING FOR DAY 5
(23-10-2023)



- | | | |
|----------------------------|----------------------|---------------------------|
| 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.
- ❖ **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) |