



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE
KENYA METEOROLOGICAL DEPARTMENT

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Biometeorology Services

WEEKLY BIOMETEOROLOGICAL BULLETIN (21ST OCTOBER 2025–27TH OCTOBER 2025)

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PREAMBLE

Biometeorology is an interdisciplinary science of interactions between atmospheric processes and living organisms - plants, animals and human-beings. The Bio-meteorological Division collects, analyzes and interprets Meteorological and Health data in liaison with partners in the Health Sector for advisory development.

The weather information provided is aimed at guiding residents to identify and recognize the likelihood of occurrence of weather-related health diseases according to the issued advisories and take necessary action.

REVIEW FOR PREVIOUS WEEK (13TH OCTOBER– 19TH OCTOBER 2025)

1.1 Rainfall

This section lists stations that recorded more than **50mm** total rainfall in the last **7 days**. Stations such as **Kisii** and **Laikipia** recorded total weekly rainfall above **50mm**. This is shown in Table 1 below.

Table 1:

Station	Total weekly rainfall amounts (mm)
Kisii Met	55.9
Laikipia Met	51.2

1.2 High Temperatures

This section lists stations that recorded average temperatures exceeding **35°C** in the last **7 days**. Stations such as **Mandera**, **Lodwar** and **Garissa** recorded average weekly temperatures exceeding **35°C** as shown in Table 2 below.

Table 2:

Station	Average weekly maximum temperature (°C)
Mandera Met	36.5
Lodwar Met	36.4
Garissa Met	36.0

1.3 Low Temperatures

This section lists stations that recorded average temperatures **not** exceeding **10°C** in the last **7 days**. Station such as **Nyandarua (Nyahururu)** recorded lower temperatures. The station recorded an average weekly temperature **not** exceeding 10°C as shown in Table 3 below.

Table 3:

Station	Average weekly minimum temperature(°C)
Nyahururu Met	6.0
Laikipia Met	8.9

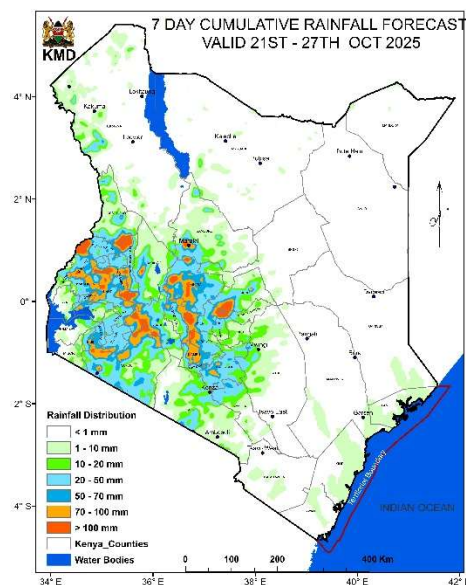
1.4 High Winds

This section list stations that recorded winds with speeds of more than **25 knots (12.9 meters per sec)** in the last 7 days. This was recorded in **Marsabit** Met station.

2.0 FORECAST FOR 21ST OCTOBER 2025 - 27TH OCTOBER 2025

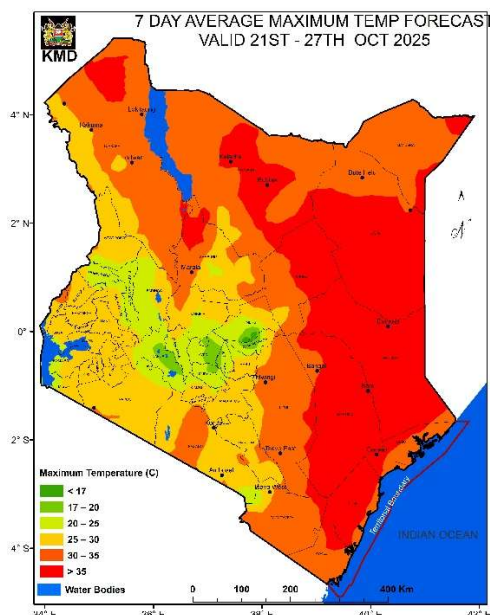
Rainfall

Rainfall amounts exceeding **50mm** is to be expected over some parts of **Nyandarua (Nyahururu)**, **Nyamira**, **Trans Nzoia (Kitale)**, **Migori**, **Uasin Gishu (Eldoret)**, **Kericho**, **Nakuru**, **Laikipia**, **Nyeri**, **Nairobi**, **Elgeyo Marakwet** and **Bungoma** counties during the forecast period of Tuesday 21st October 2025 to Monday 27th October, 2025.



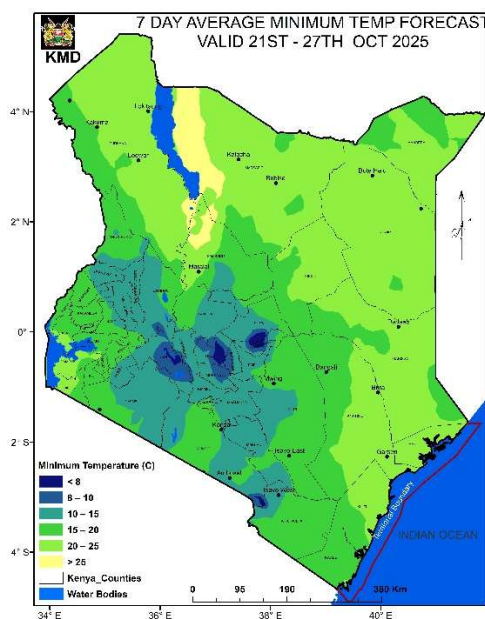
High Temperature

Temperatures exceeding **35°C** is to be expected in parts of **Turkana (Lodwar)**, **Wajir**, **Mandera** and **Garissa** Counties during the forecast period of Tuesday 21st October 2025 to Monday 27th October 2025.



Low Temperature

Temperature of less than **10°C** is expected over **Nyandarua (Nyahururu)** County, during the forecast period of Tuesday 21st October 2025 to Monday 27th October 2025.



Winds

Winds of more than **25 knots (12.9m/s)** are expected over parts of **Turkana (Lodwar)**, **Garissa**, **Marsabit**, **Isiolo**, **Lamu**, **Mombasa** and **Kilifi (Malindi, Msabaha, Mtwapa)** Counties during the forecast period of Tuesday 21st October 2025 to Monday 27th October, 2025.

3.0 Meteorological Advisory on Weather-Related Risks

Residents are encouraged to monitor the following weather conditions and their potential impacts:

1. Rainfall

Forecast: Some areas are expected to receive more than **50 mm** of rainfall during the week.

Implications: Increased risk of **flooding** in low-lying areas and along riverbanks. Higher likelihood of **waterborne diseases** due to contaminated water sources.

Recommendations:

- i). Use clean, boiled, or treated water for drinking and cooking.
- ii). Stay informed: Keep up with updates from the Kenya Meteorological Department regarding rainfall forecasts and advisories.

2. High Temperatures

Forecast: Anticipated temperatures may **exceed 35°C** in several counties.

Implications: High temperatures can lead to heat stress and dehydration.

Recommendations: Limit outdoor activities during peak heat hours (10 AM - 4 PM). Stay hydrated by drinking plenty of water. Dress in light, breathable clothing and seek shade or air-conditioned spaces when possible.

3. Cold Weather Conditions

Forecast: Some areas may experience temperatures **below 10°C**.

Implications: Increased cases of **respiratory diseases** such as **flu** and **asthma** attacks. Children, the elderly, and individuals with chronic illnesses are at higher risk.

Recommendations: Dress warmly and limit exposure to cold, especially for vulnerable populations.

4. Strong Winds

Forecast: Winds **exceeding 25 knots (12.9 m/s)** are expected in specific areas.

Implications: High winds can lead to dust storms

Recommendations: Be aware of potential **respiratory** issues due to airborne particles.

Conclusion

Residents are encouraged to take proactive measures to safeguard themselves and their communities against the anticipated weather conditions. For accurate and timely updates, this advisory should be used in conjunction with the daily forecasts issued by the Kenya Meteorological Department.

Stay Safe, Stay Informed.



Mary Githinji

For: DIRECTOR OF METEOROLOGICAL SERVICES