



MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE

KENYA METEOROLOGICAL DEPARTMENT

Our Ref: MET/7/287

Date: 2 December 2024

## SEVEN-DAY WEATHER FORECAST FOR 3 TO 9 DECEMBER 2024

### SUMMARY

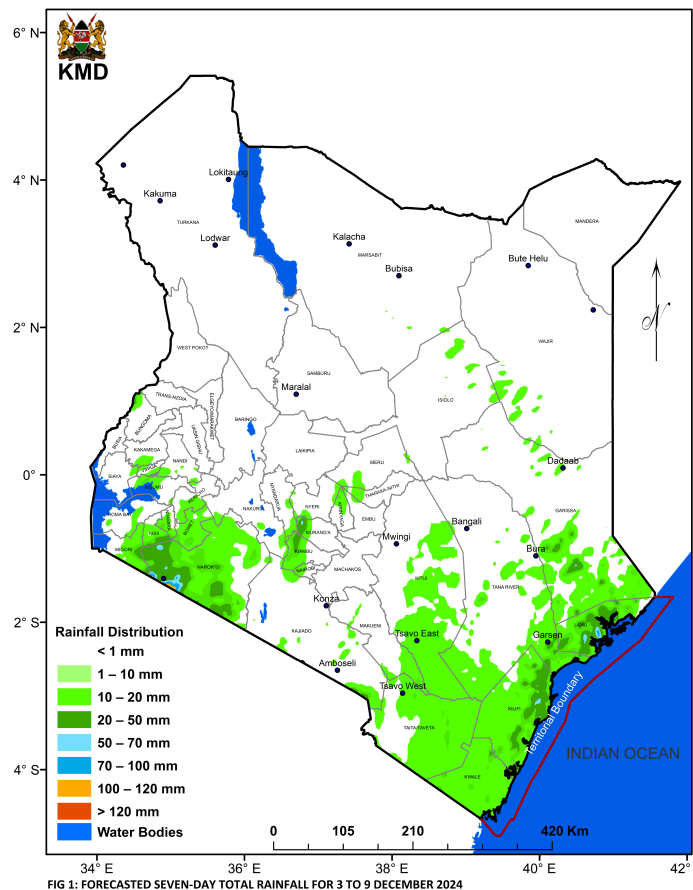
#### Forecast for 3 to 9 December 2024

- Rainfall is expected to continue over some parts of the Lake Victoria Basin, the South Rift Valley, the South-eastern lowlands and the Coast.

#### Weather Review for 25 November to 1 December 2024

- Rainfall continued to be recorded in most parts of the country.
- Day-time (maximum) temperatures decreased over most parts of the country though a number of stations in the South-eastern lowlands and the Coast recorded warming.
- Night-time (minimum) temperatures increased over some stations including Moyale, Laikipia and Thika and decreased over Lodwar, Kitui and Mandera among others.

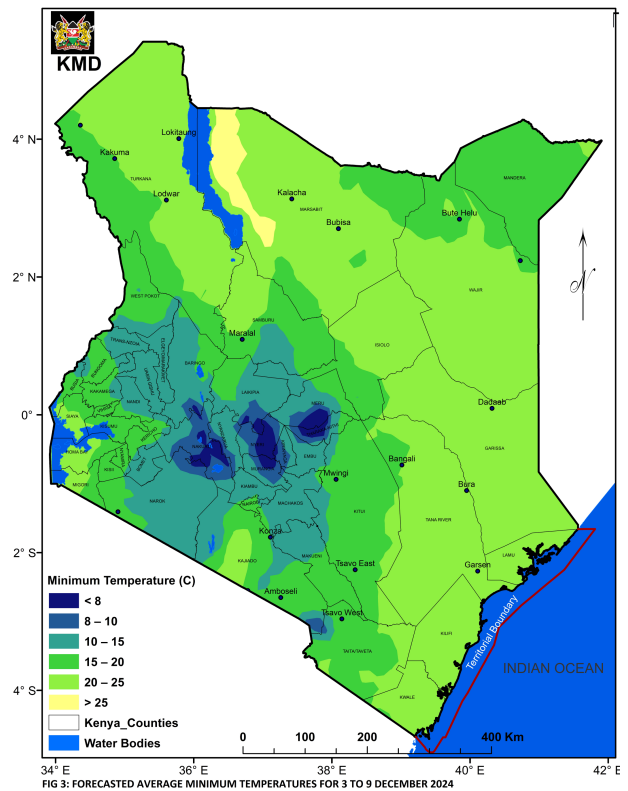
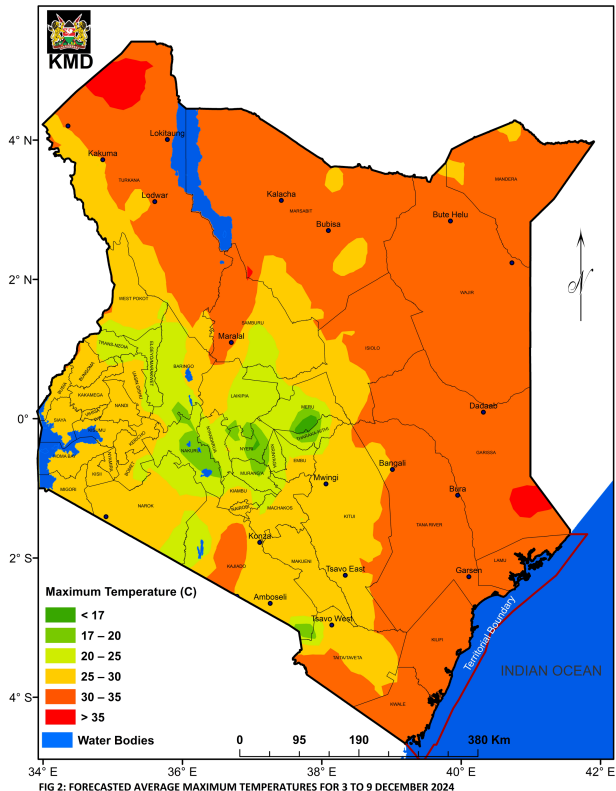
### 1 FORECAST FOR 3 TO 9 DECEMBER 2024



Rainfall is expected to continue over some parts of the Lake Victoria Basin, the South Rift Valley, the South-eastern lowlands and the Coast as shown in **Figure 1**.

Average daytime (maximum) temperatures of more than 30°C will be experienced in the Coast, North-eastern and North-western Kenya as shown in **Figure 2**.

Average night-time (minimum) temperatures will be less than 10°C in some parts of the Highlands East of the Rift Valley and the Central Rift Valley as shown in **Figure 3**.



## 1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 3 TO 9 DECEMBER 2024

### 1.1.1 The Lake Victoria Basin and the South Rift Valley (*Kisii, Nyamira, Kericho, Bomet, Kisumu, Homabay, Migori and Narok Counties*):

Morning rains as well as afternoon and night showers and thunderstorms are expected over few places.

### 1.1.2 The Highlands West of the Rift Valley and the Central and North Rift Valley (*Nandi, Kakamega, Vihiga, Bungoma, Siaya, Busia, Baringo, Nakuru, Trans-Nzoia, Uasin-Gishu, Elgeyo-Marakwet and West-Pokot Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

### 1.1.3 North-western Kenya (*Turkana and Samburu Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

### 1.1.4 The Highlands East of the Rift Valley (including Nairobi County) (*Nyandarua, Laikipia, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, Tharaka-Nithi and Nairobi Counties*):

Morning cloudiness expected, giving way to sunny intervals. However, occasional afternoon showers may occur over a few mountainous areas. Nights are likely to be partly cloudy.

### 1.1.5 North-eastern Kenya (*Marsabit, Mandera, Wajir, Garissa and Isiolo Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

**1.1.6 The South-eastern lowlands (Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties as well as the inland parts of Tana-River County):**

Sunny intervals are expected during the day while nights are likely to be partly cloudy. However, occasional morning rains and afternoon showers may occur over some parts of Kajiado and Taita Taveta Counties.

**1.1.7 The Coast (Mombasa, Kilifi, Lamu and Kwale Counties as well as the coastal parts of Tana-River County):**

Morning, afternoon and night showers are expected over few places.

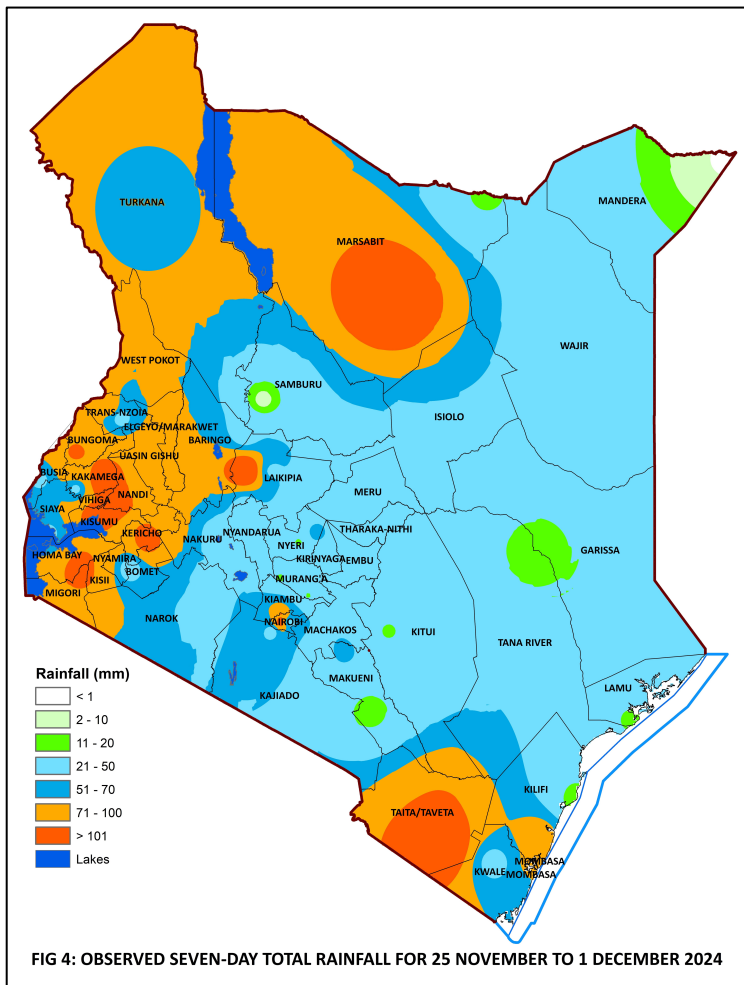
**1.2 DETAILED TEMPERATURE FORECAST FOR 3 TO 9 DECEMBER 2024**

Expected maximum and minimum temperatures for selected towns and cities are shown in **Table 1**.

| TABLE 1: FORECASTED MAXIMUM AND MINIMUM TEMPERATURES FOR SELECTED CITIES AND TOWNS |          |          |           |          |          |           |          |          |
|--|----------|----------|-----------|----------|----------|-----------|----------|----------|
| CITY/TOWN  | MAX (°C) | MIN (°C) | CITY/TOWN | MAX (°C) | MIN (°C) | CITY/TOWN | MAX (°C) | MIN (°C) |
| LODWAR   | 38.0     | 25.0     | KISUMU    | 32.0     | 18.0     | THIKA     | 30.0     | 15.0     |
| MARSABIT   | 28.0     | 18.0     | SUBA      | 32.0     | 19.0     | NGONG     | 26.0     | 13.0     |
| MOYALE   | 32.0     | 18.0     | NAKURU    | 28.0     | 12.0     | MACHAKOS  | 27.0     | 14.0     |
| GARISSA  | 37.0     | 24.0     | NAROK     | 26.0     | 09.0     | MAKINDU   | 32.0     | 19.0     |
| WAJIR  | 37.0     | 24.0     | LAIKIPIA  | 28.0     | 10.0     | KITUI     | 30.0     | 16.0     |
| MANDERA  | 38.0     | 23.0     | NYAHURURU | 25.0     | 06.0     | VOI       | 35.0     | 21.0     |
| KITALE   | 26.0     | 12.0     | KANGEMA   | 26.0     | 15.0     | LAMU      | 34.0     | 24.0     |
| KAKAMEGA   | 31.0     | 12.0     | NYERI     | 27.0     | 12.0     | MALINDI   | 33.0     | 23.0     |
| ELDORET  | 26.0     | 11.0     | EMBU      | 27.0     | 14.0     | MSABAHA   | 33.0     | 24.0     |
| KERICHO  | 26.0     | 09.0     | MERU      | 26.0     | 12.0     | MTWAPA    | 33.0     | 24.0     |
| KISII  | 28.0     | 15.0     | NAIROBI   | 28.0     | 10.0     | MOMBASA   | 34.0     | 23.0     |

## 2 WEATHER REVIEW FOR 25 NOVEMBER TO 1 DECEMBER 2024

### 2.1.1 Rainfall Review

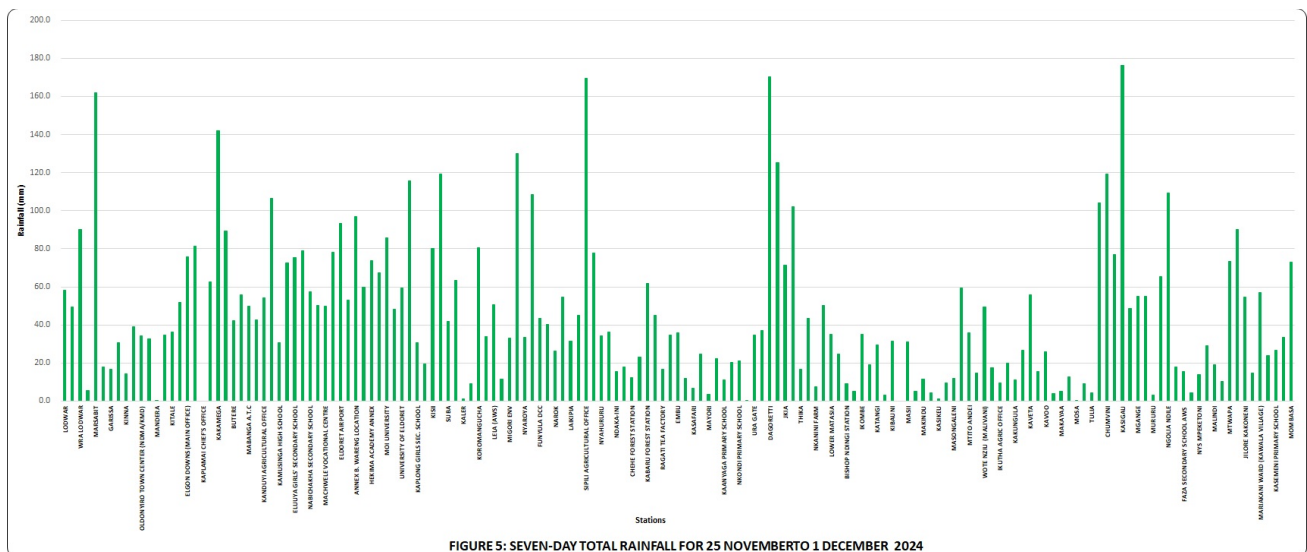


Rainfall was recorded in most parts of the country, as shown in **Figures 4 & 5**.

Comparing the 18 to 24 November 2024 and the 25 November to 1 December 2024 periods, it is noted that there was an increase in rainfall amounts over the Coast and North-western Kenya.

The highest seven-day rainfall total (176.4mm) was recorded at Kasigau Rainfall Station in Taita-Taveta County.

Chumvini Rainfall Station in Taita-Taveta County recorded the highest amount of rainfall within 24-hours: 119.3mm on 30 November 2024.



## 2.2 Temperature Review

Comparing the 18 to 24 November 2024 and the 25 November to 1 December 2024 periods, it is noted that day-time (maximum) temperatures decreased over most parts of the country though a number of stations in the South-eastern lowlands and the Coast recorded warming. Night-time (minimum) temperatures increased over some stations. These include Moyale, Laikipia and Thika, decreasing over Lodwar, Kitui and Mandera.

Mandera Meteorological Station recorded the highest daily maximum temperature: 36.6°C on 1 December 2024 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 7.5°C on the same day. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 35.5°C and 10.3°C respectively (see **Figure 6**).

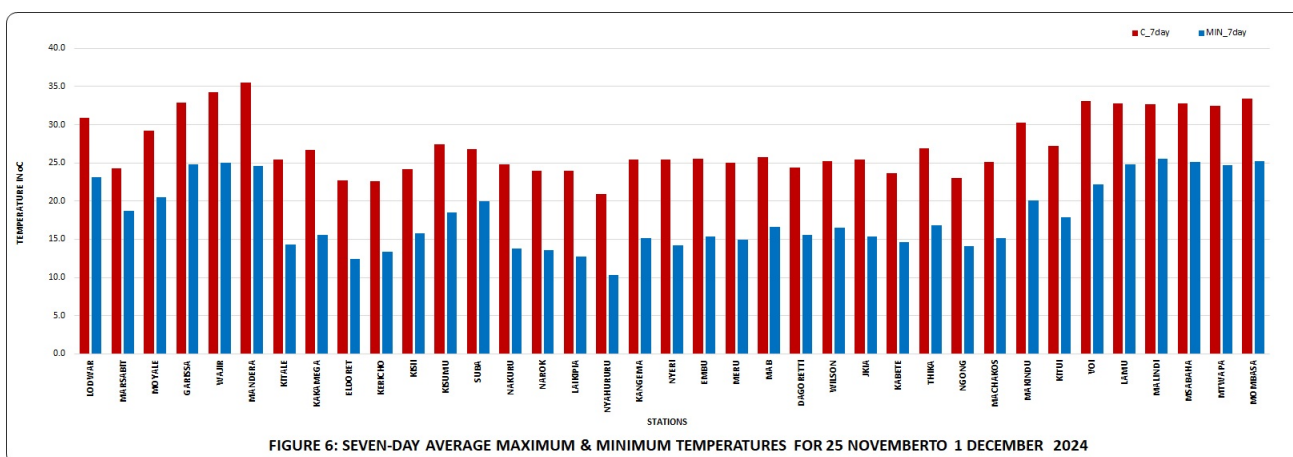


FIGURE 6: SEVEN-DAY AVERAGE MAXIMUM & MINIMUM TEMPERATURES FOR 25 NOVEMBER TO 1 DECEMBER 2024

**N.B:** This forecast should be used in conjunction with the daily (24-hour) and five-day forecasts issued by this Department. County specific forecasts are available from the offices of respective County Directors of Meteorological Services.

### KEY OF SCIENTIFIC WORDS USED

| 24-hour rainfall categories |            |
|-----------------------------|------------|
| Range                       | Category   |
| <5mm                        | Light      |
| 5-20mm                      | Moderate   |
| 20-50mm                     | Heavy      |
| >50mm                       | Very heavy |

| Rainfall coverage |                      |
|-------------------|----------------------|
| Term              | Meaning              |
| Most places       | Between 66% and 100% |
| Several places    | Between 33% and 66%  |
| Few places        | Less than 33%        |

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