



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, NATURAL RESOURCES &**  
**REGIONAL DEVELOPMENT AUTHORITIES**  
**KENYA METEOROLOGICAL DEPARTMENT**

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID**  
**24<sup>TH</sup> TO 31<sup>ST</sup> OCT, 2016**

*Issue Date: 24/10/2016*

**Review of weather for the last seven-day period 17<sup>th</sup> to 23<sup>rd</sup> Oct 2016):**

- Parts of highlands west of the rift valley received most of the rainfall during the review period. A few other parts of the country recorded low rainfall amounts
- Rainfall amounts exhibit an increase compared to the previous 7 day period.
- There was an increase in day-time (maximum) temperatures over the Coast and northeast and a decrease over highlands west of the rift valley.
- Night-time (minimum) temperatures increased over much of the country with the exception of the Coast and a few other stations.

**Forecast for the next seven days (25<sup>th</sup> to 31<sup>st</sup> Oct, 2016):**

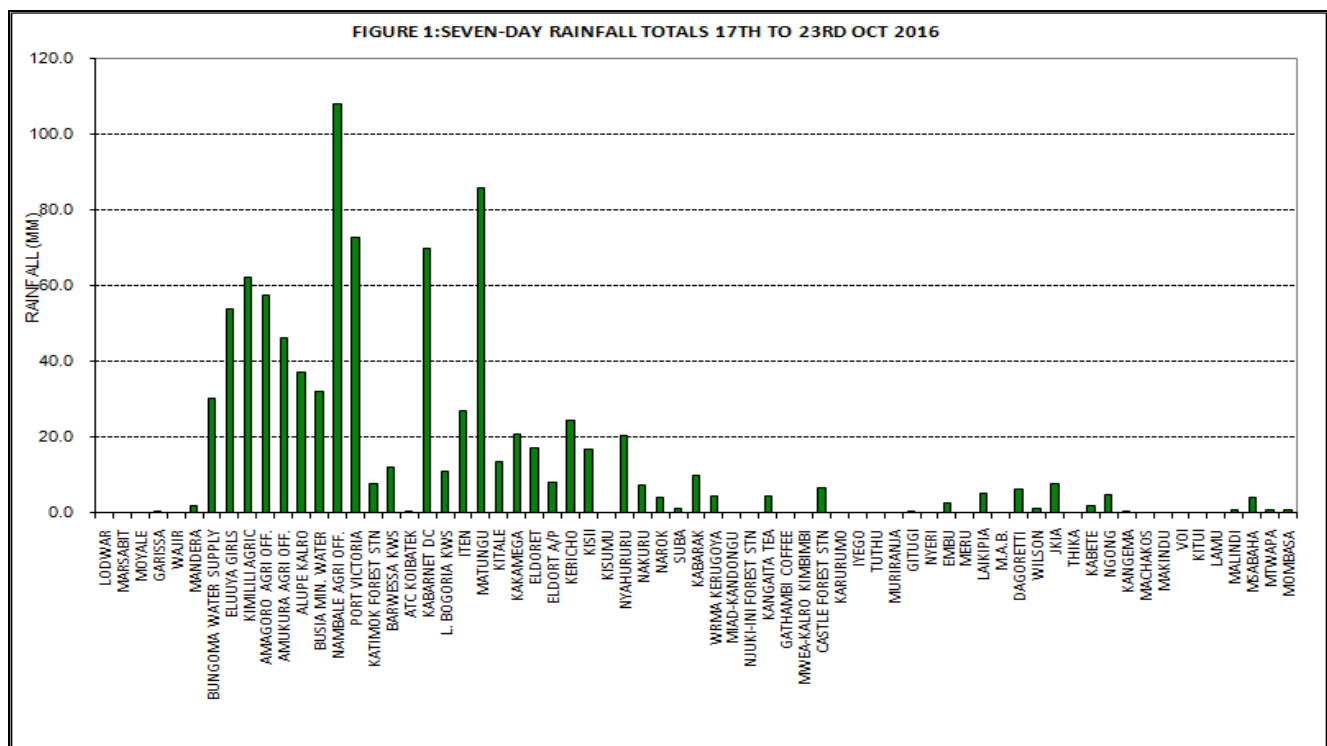
The forecast indicates that:

- Rains are likely over the Highlands West of the Rift Valley and the Central Highlands as well as parts of Northeast.
- Several parts of the country are expected to continue being warm and dry;

**1. Weather Review for the last seven days 17<sup>th</sup> to 23<sup>rd</sup> Oct, 2016**

**1.1 Rainfall Review**

Parts of highlands west of the rift valley received most of the rainfall during the review period. A few other parts of the country recorded low rainfall amounts as shown in **Fig 1** below.



Rainfall amounts exhibit an increase compared to the previous 7 day period. **Figure 2** depicts the spatial distribution of the rainfall totals over the country during the seven-day review period. (17<sup>th</sup> to 23<sup>rd</sup> Oct, 2016). During this period, Nambale Agricultural office recorded the highest seven-day total of 108mm while Kabarnet DC office recorded the highest rainfall amount within 24 hours (54.8mm on 22<sup>nd</sup> October).

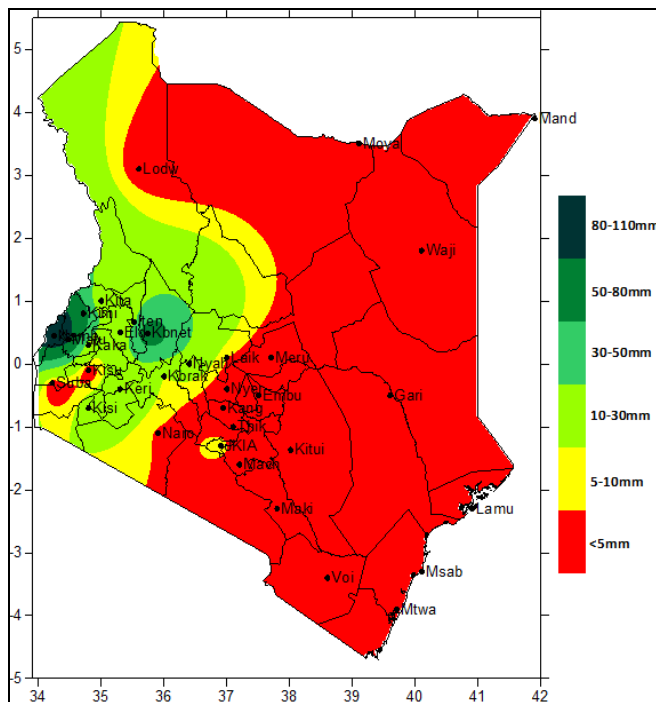


Fig 2: Spatial map of rainfall totals for 17<sup>th</sup> to 23<sup>rd</sup> Oct, 2016.

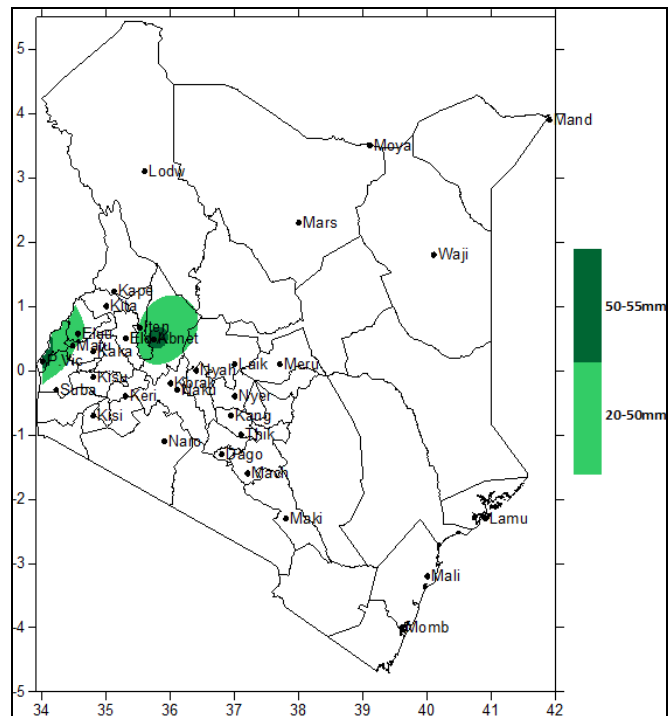


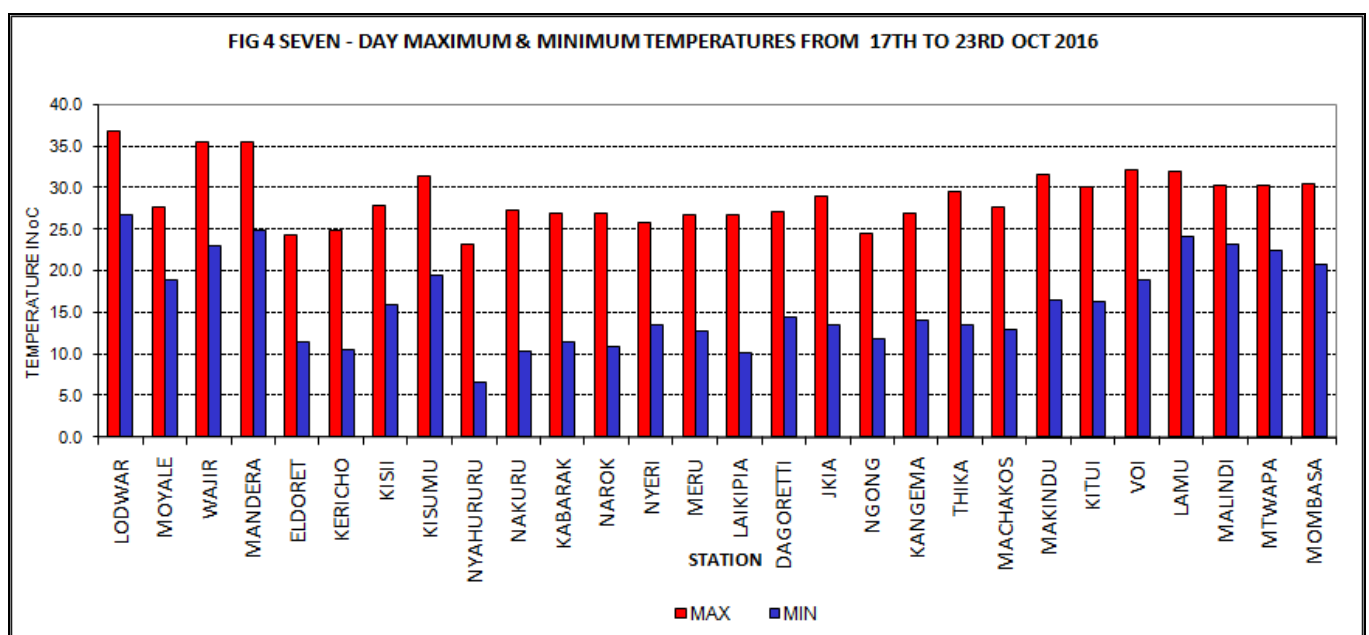
Fig 3: Areas that received heavy and very heavy rainfall

## 1.2 Temperature

During the review period, there was an increase in day-time (maximum) temperatures over the Coast and northeast and a decrease over highlands west of the rift valley.

Night-time (minimum) temperatures increased over much of the country with the exception of the Coast and a few other stations.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 37.2°C on 22<sup>nd</sup> October while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.1°C on both 20<sup>th</sup> and 21<sup>st</sup> October. The same stations recorded the highest seven-day average maximum temperature of 36.9°C and the lowest seven-day average minimum temperature of 6.6°C respectively. (See **Figure 4 below**)



## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 25<sup>TH</sup> TO 31<sup>ST</sup> OCT, 2016

The forecast indicates that:

- Rains are likely over the Highlands West of the Rift Valley and the Central Highlands as well as parts of Northeast.
- Several parts of the country are expected to continue being warm and dry;

### DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 25<sup>TH</sup> TO 31<sup>ST</sup> OCT, 2016

**The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Transzoia, Baringo, Uasingishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia)** are expected to experience sunny intervals in the mornings. Afternoon showers and thunderstorms are expected over few places throughout the forecast period;

**Northwestern (counties of Turkana, West Pokot and Samburu)** are expected to experience sunny intervals in the mornings. Afternoon showers and thunderstorms are expected over few places throughout the forecast period;

**Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka)** are expected to experience mainly sunny intervals in the morning and afternoon showers over few places throughout the forecast period;

**Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo)** are expected to experience sunny intervals the whole day for much of the forecast period. Morning rains over few places are expected on Tuesday and between Thursday and Sunday. Afternoon showers are also likely over few places on Tuesday;

**Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta)** are expected to experience sunny intervals the whole day throughout the forecast period;

**The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale)** are expected to be mainly sunny throughout the forecast period. Friday and Sunday morning are likely to have showers over few places.

**N.B:** This forecast should be used in conjunction with the daily (24-hour) forecast issued by this Department.

#### KEY OF SCIENTIFIC WORDS USED

**Most Places:** Between 66% and 100%

**Several Places:** Between 33% and 66%

**Few Places:** Between 0 and 33%

#### *Rainfall categories*

Range	Category
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

P. Nying'uro

**FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT**