



REPUBLIC OF KENYA

**MINISTRY OF ENVIRONMENT & NATURAL RESOURCES  
KENYA METEOROLOGICAL DEPARTMENT**

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID  
22<sup>ND</sup> TO 28<sup>TH</sup> NOVEMBER, 2016**

*Issue Date: 21/11/2016*

**Review of weather for the last seven-day period 14<sup>th</sup> to 20<sup>th</sup> November 2016):**

- Rainfall was recorded over most parts of the country except over the North West. Significant rainfall was observed over Highlands east of the rift valley.
- There was a general increase in rainfall amounts over most parts of the country and a decrease over few parts southeast lowlands
- There was a general decrease in both day-time (maximum) and night-time (minimum) temperatures over much of the country.

**Forecast for the next seven days (22<sup>nd</sup> to 28<sup>th</sup> November, 2016):**

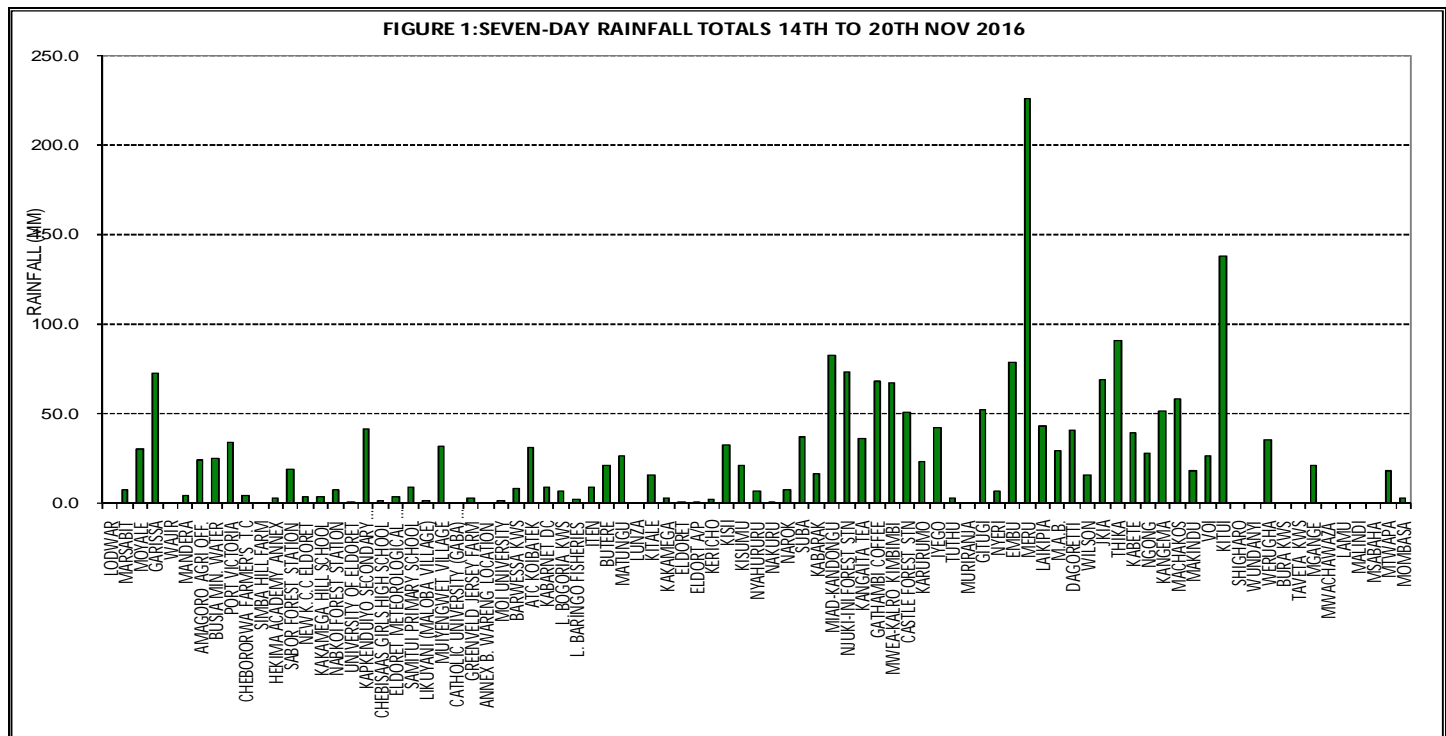
*The forecast indicates that:*

- Most parts of the country are expected to receive rainfall during the forecast period;
- Intensity is expected to increase from Thursday to heavy and even very heavy rainfall over parts of Western, Southeast lowlands and Central Kenya

**1. Weather Review for the last seven days 14<sup>th</sup> to 20<sup>th</sup> November, 2016**

**1.1 Rainfall Review**

Rainfall was recorded over most parts of the country except over the North West. Significant rainfall was observed over Highlands east of the rift valley. See **Fig 1** below.



Comparing this review period to the previous one, there was a general increase in rainfall amounts over most parts of the country and a decrease over few parts southeast lowlands. **Figure 2** depicts the spatial distribution of the rainfall totals over the country during the seven-day review period. (14<sup>th</sup> to 20<sup>th</sup> Nov, 2016). During this period, Meru Meteorological Station recorded the highest seven-day total of 225.4mm and the highest rainfall in 24 hours 78.2mm on 16<sup>th</sup> November. **Fig 3** shows areas that received heavy and very heavy rainfall.

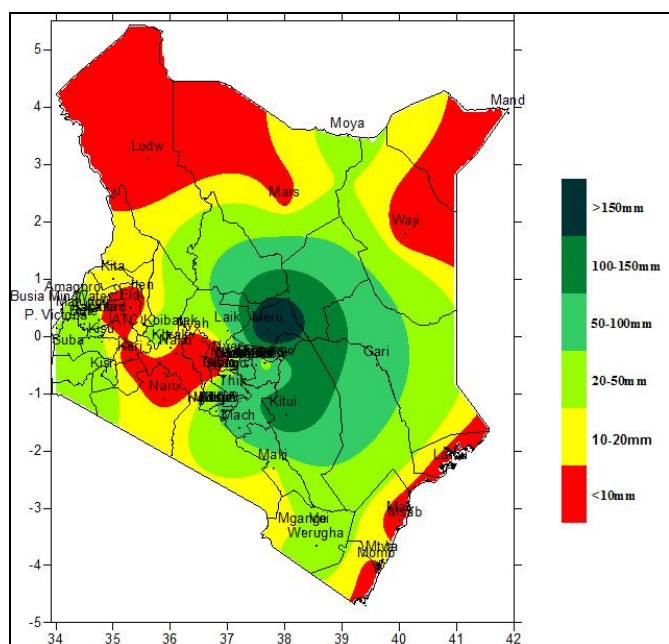


Fig 2: Spatial map of rainfall totals for 14<sup>th</sup> to 20<sup>th</sup> Nov, 2016.

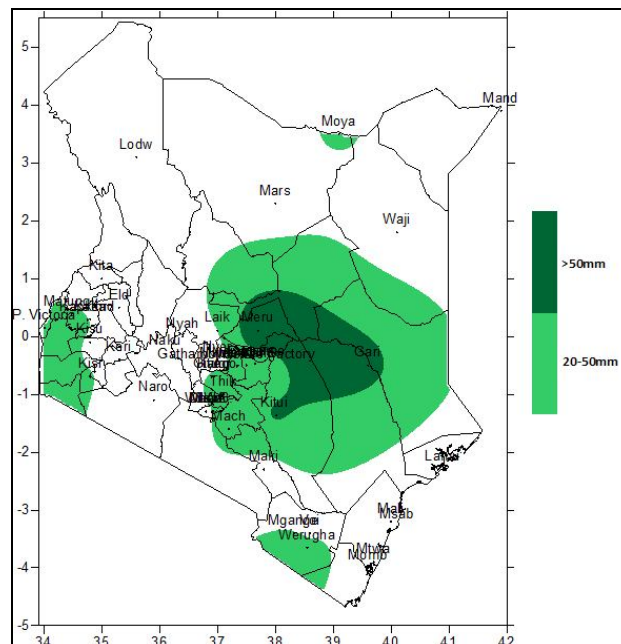


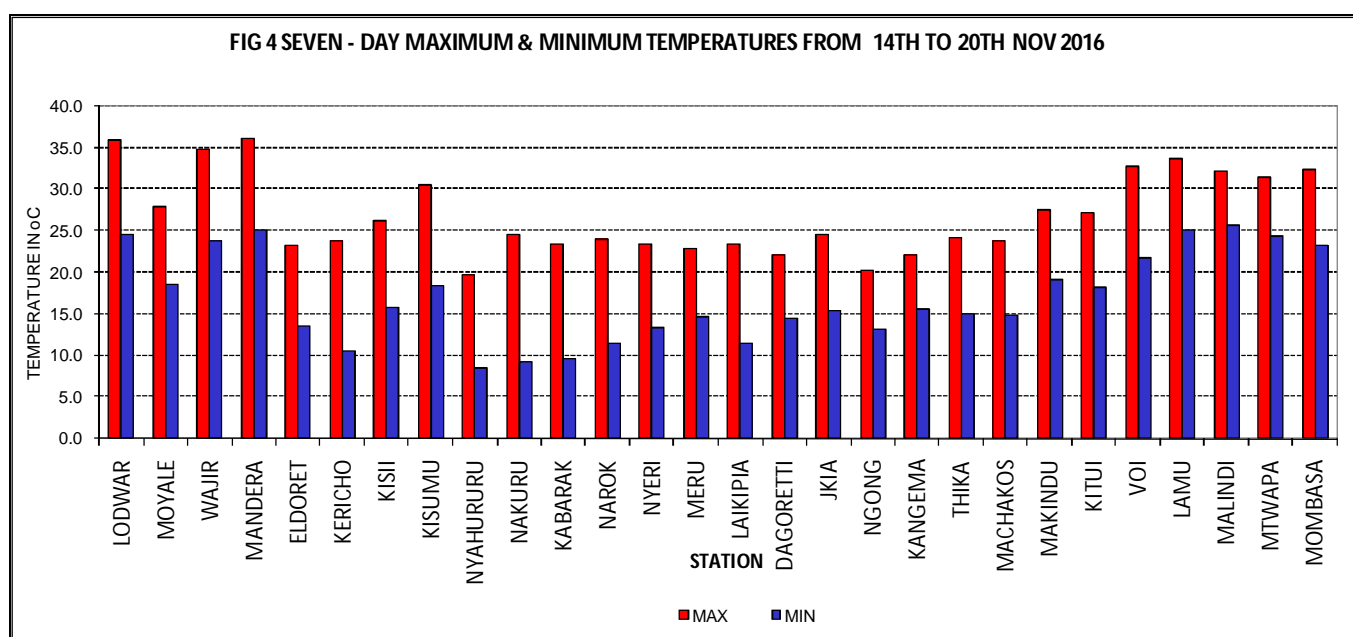
Fig 3: Areas that received heavy and very heavy rainfall

## 1.2 Temperature

During the review period, there was a general decrease in day-time (maximum) temperatures over much of the country with the exception of parts of the Coast, of Northeast, and of Rift Valley.

Night-time (minimum) temperatures likewise decreased over most parts Country but increased over parts of Northeast, Coast and parts of Southeast.

Mandera Meteorological Station recorded the highest daily maximum temperature of 37.0°C on 19<sup>th</sup> November while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 6.7°C on 18<sup>th</sup> November. The same stations recorded the highest seven-day average maximum temperature of 36.0° C and the lowest seven-day average minimum temperature of 8.4°C respectively. (See **Figure 4 below**)



## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 22<sup>ND</sup> TO 28<sup>TH</sup> NOVEMBER, 2016

The forecast indicates that:

- Most parts of the country are expected to receive rainfall during the forecast period;
- Intensity is expected to increase from Thursday to heavy and even very heavy rainfall over parts of Western, Southeast lowlands and Central Kenya

### **DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 22<sup>ND</sup> TO 28<sup>TH</sup> NOVEMBER, 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 rains over few places in the mornings and afternoon showers and thunderstorms over several places throughout the forecast period;

**Northwestern** (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals in the morning and afternoon showers and thunderstorms 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 morning rains over few places and afternoon showers over few places on Tuesday and Wednesday increasing to several places thereafter and with increased intensity from Thursday to the end of the forecast period;

**Northeastern** (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience morning rains over few places and afternoon showers over few places for much of the forecast period. The rainfall is expected to be heavy between Friday and Sunday and over several places;

**Southeastern** (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience morning rains over few places and afternoon showers over few places throughout the forecast period. The rainfall is expected to be heavy on Thursday and Friday;

**The Coastal strip** (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience morning showers over few places mainly in the North Coast and sunny intervals in the afternoon throughout the forecast period.

**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

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**FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT**