



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & NATURAL RESOURCES
KENYA METEOROLOGICAL DEPARTMENT

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID
20TH TO 26TH DECEMBER, 2016**

Issue Date: 19/12/2016

Review of weather for the last seven-day period 12th to 18th December, 2016):

- Rainfall was recorded over few parts of the country with a few rainfall stations in the Western Counties receiving heavy rainfall
- There was an increase in rainfall amounts over much of the country though some decreases were also recorded
- Day-time (maximum) temperatures increased over much of the country;
- Night-time (minimum) temperatures increased over parts of the North and a few other parts of the country and decreased over Southeast and Central

Forecast for the next seven days (20th to 26th December, 2016):

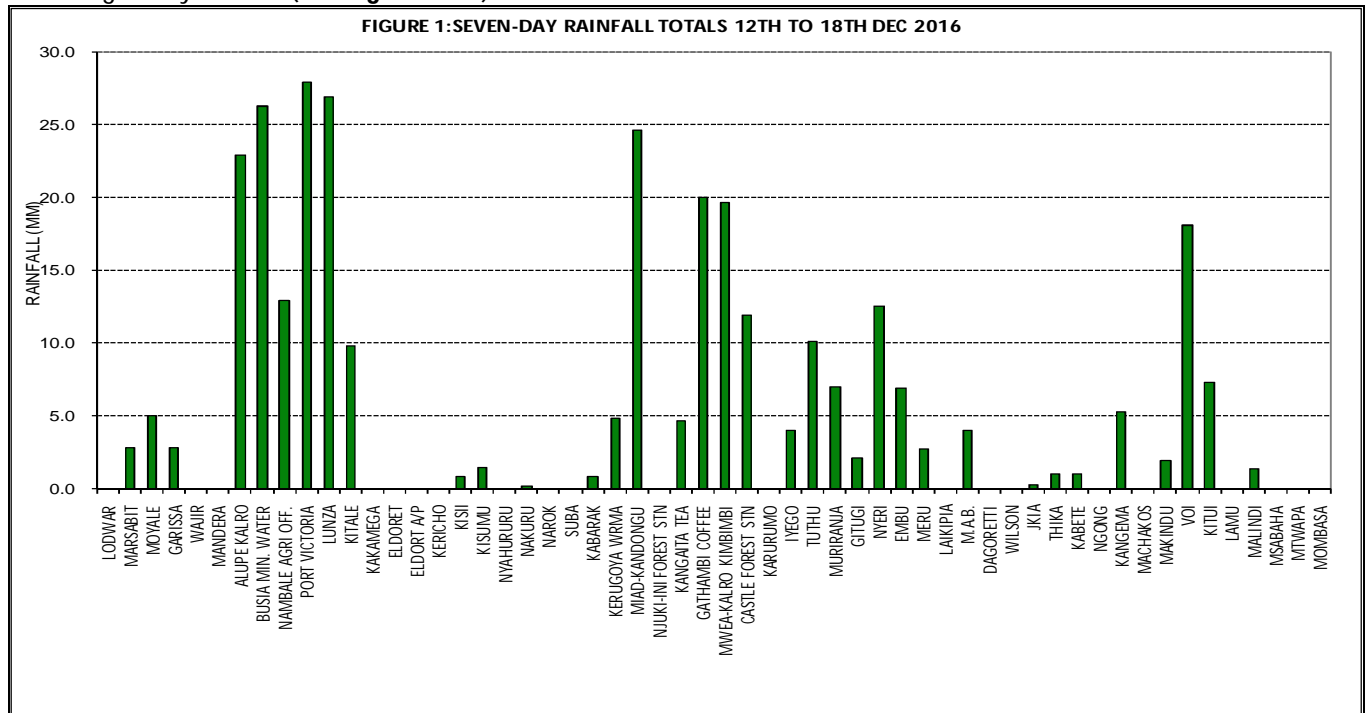
The forecast indicates that:

- Rainfall is expected over few parts of the country mainly within the eastern half.

1. Weather Review for the last seven days 12th to 18th December, 2016

1.1 Rainfall Review

Rainfall was recorded over few parts of the country with a few rainfall stations in the Western Counties receiving heavy rainfall (see **Fig 1** below).



Comparing this review period to the previous one, there was an increase in rainfall amounts over much of the country though some decreases were also recorded. **Figure 2** depicts the spatial distribution of the rainfall

totals over the country during the seven-day review period. (12th to 18th Dec, 2016). During this period, Port Victoria rainfall station recorded the highest seven-day total of 27.9mm. Few rainfall stations in Western Kenya recorded heavy rainfall, they include, Busia Ministry of Water 26.3mm, Port Victoria 27.9mm and Lunza 26.9mm all on 12th December.

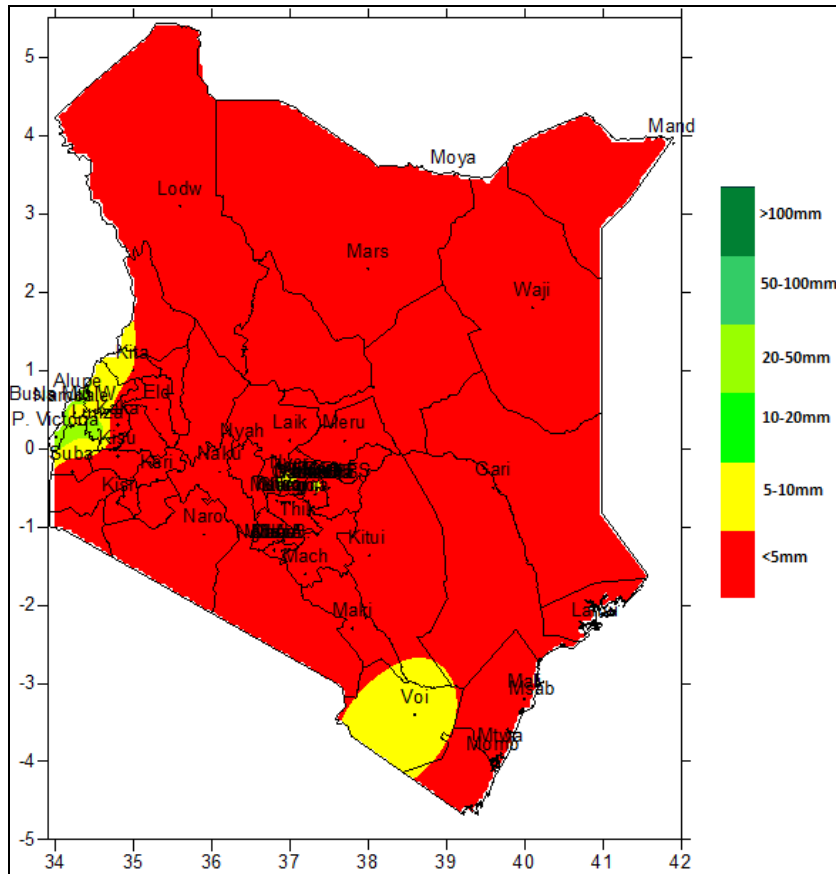


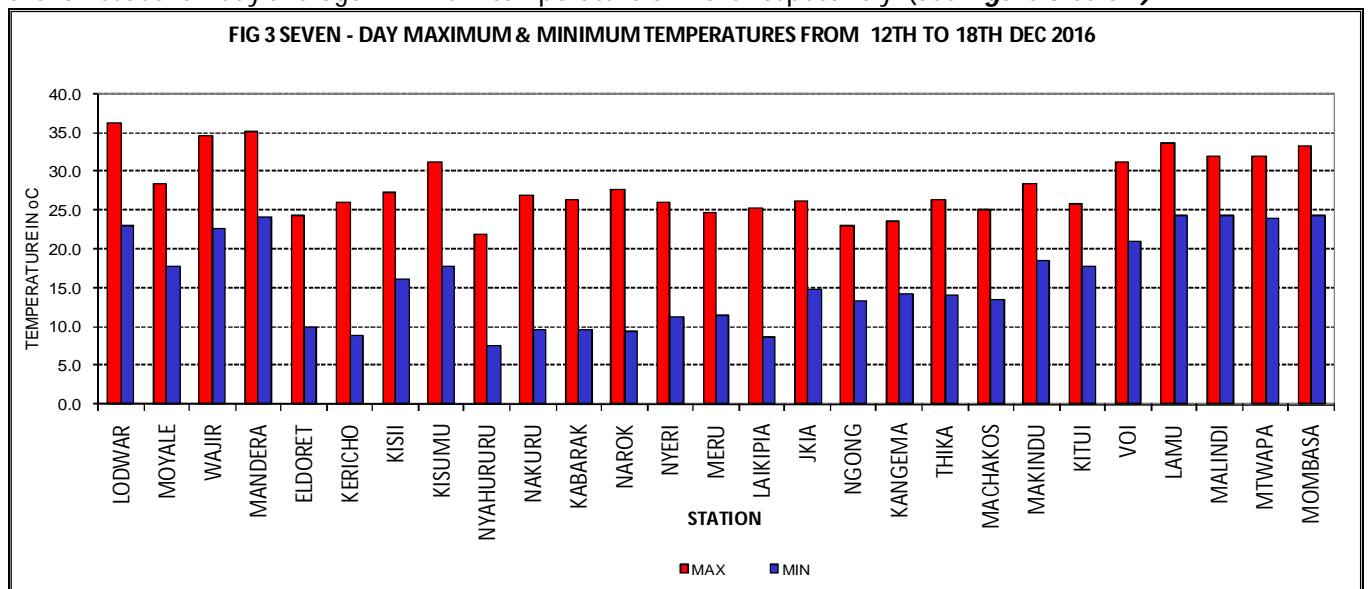
Fig 2: Spatial map of rainfall totals 12th to 18th Dec, 2016.

1.2 Temperature

During the review period, there was a general increase in day-time (maximum) temperatures over much of the country except over Lodwar, Kangema, Makindu, Kitui and Lamu.

Night-time (minimum) temperatures increased over parts of the North and a few other parts of the country and decreased over Southeast and Central parts of the country.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 38.0°C on 17th December while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.9°C on 15th December. The same stations recorded the highest seven-day average maximum temperature of 36.3° C and the lowest seven-day average minimum temperature of 7.6°C respectively. (See **Figure 3 below**)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 20TH TO 26TH DECEMBER, 2016

The forecast indicates that:

- Rainfall is expected over few parts of the country mainly within the eastern half.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 20TH TO 26TH DECEMBER, 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 morning throughout the forecast period. Afternoon showers and thunderstorms over few places are expected from Thursday to the end of the forecast period, Tuesday and Wednesday afternoon are expected to experience mainly sunny intervals;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals the entire day 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 sunny intervals in the morning and afternoon showers over few places throughout the forecast period, Tuesday is expected to be dry the whole day;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience morning rains over few places and sunny intervals in the afternoon throughout the forecast period, Tuesday is expected to be dry the whole day;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience sunny intervals in the morning and afternoon showers over few places throughout the forecast period;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience morning showers over few places 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