



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
12TH TO 18TH APRIL, 2016**

Issue Date: 11/04/2016

Review of weather for the last seven-day period 4th to 10th April, 2016):

- Most parts of the country continued to receive rainfall as we move into the peak of the season;
- Compared to the previous seven-day period, there was a general increase in rainfall amount over several parts of the country;
- Day-time temperatures decreased over most parts of the country except over Lamu, Malindi and Msabaha;
- Night-time temperatures increased over parts of the Southeast, Coast and Central Kenya and decreased over the remaining areas.

Forecast for the next seven days (12th to 18th April, 2016):

The forecast indicates that:

- Rainfall is expected to continue over several parts of the country throughout the forecast period.

1. Weather Review for the last seven days 4th to 10th April, 2016

1.1 Rainfall Review

Most parts of the country continued to receive rainfall as we move into the peak of the season (See Fig 1). Compared to the previous seven-day period, there was a general increase in rainfall amount over several parts of the country.

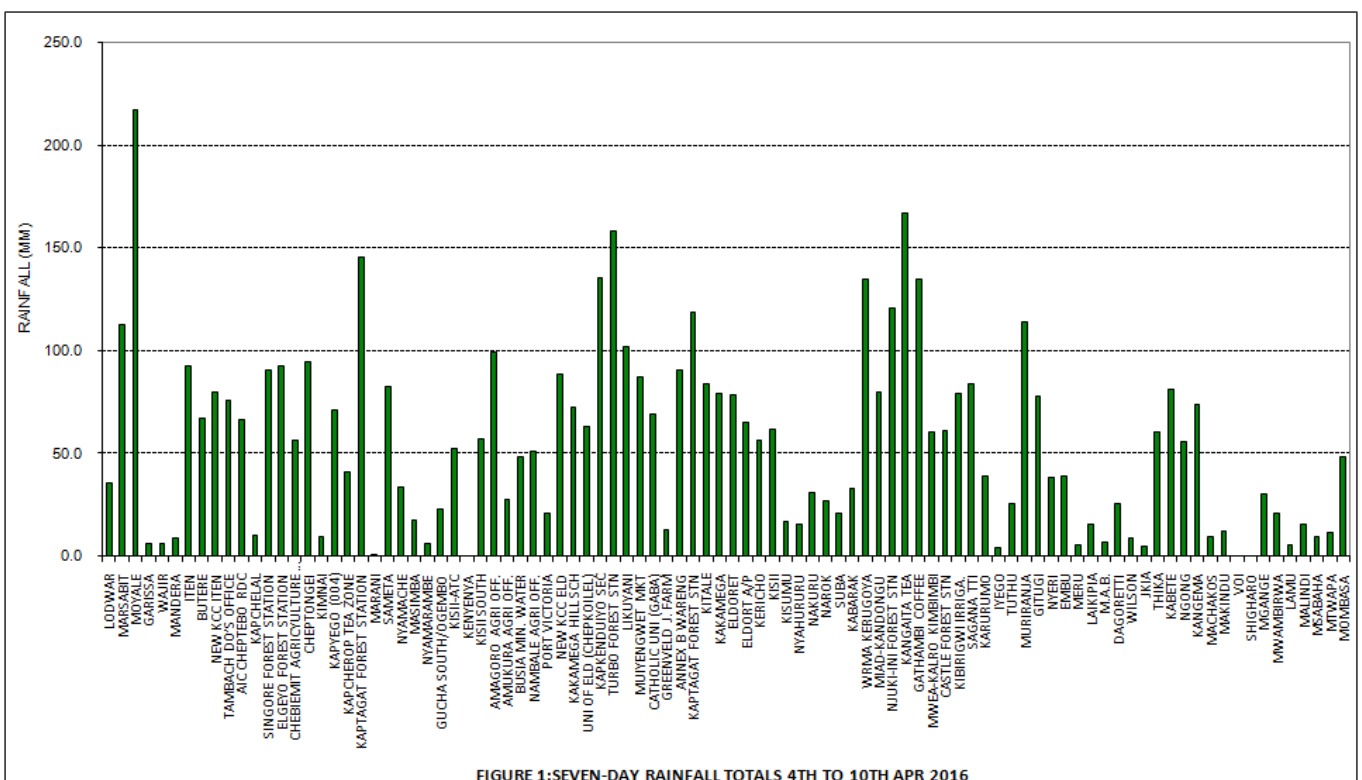


FIGURE 1:SEVEN-DAY RAINFALL TOTALS 4TH TO 10TH APR 2016

Figure 2 depicts the spatial distribution of the rainfall totals for the seven-day review period (4th to 10th April, 2016) over the country. During the review period Moyale Meteorological Station recorded the highest seven day total of 217.2mm. The same station received the highest amount of rainfall in 24 hours (163.1mm on 9th April, 2016). **Figure 3** depicts areas that received heavy rainfall (>20mm/24hrs) during the review period.

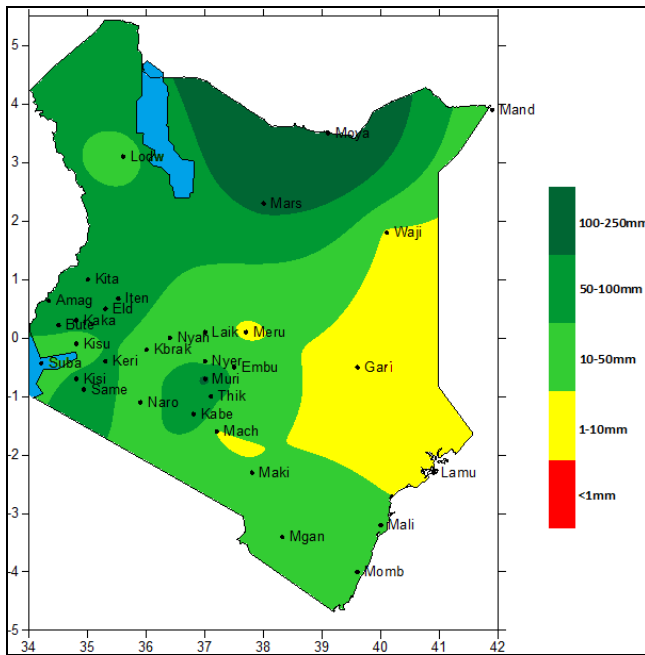


Fig 2: Spatial map of rainfall totals for 4th to 10th April, 2016.

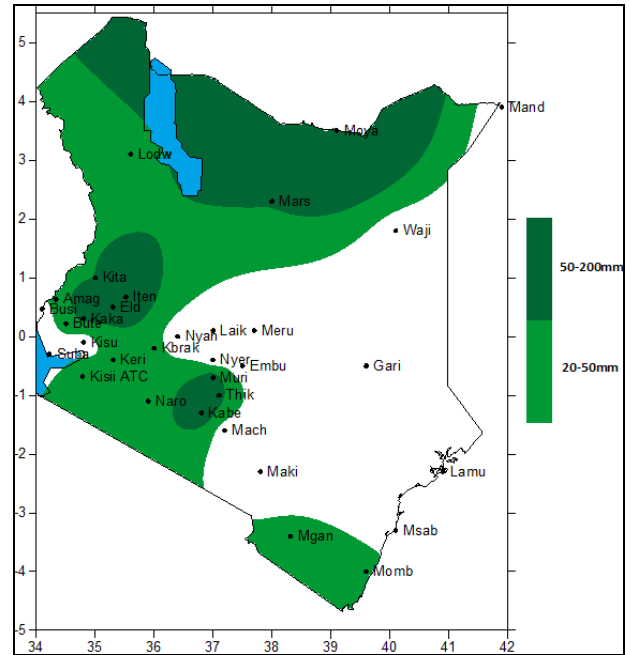


Fig 3: Spatial map of heavy rainfall and very heavy rainfall for 4th to 10th April, 2016.

1.2 Temperature

During the review period, day-time (maximum) temperatures decreased over most parts of the country except over Lamu, Malindi and Msabaha. Night-time (minimum) temperatures generally increased over parts of the Southeast, Coast and Central Kenya and decreased over the remaining areas.

Mandera Meteorological Station recorded the highest daily maximum temperature of 39.6°C on 8th April, 2016 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 6.5°C on the same day. The same stations recorded the highest seven-day average maximum temperature of 38.6°C and the lowest seven-day average minimum temperature of 9.6°C respectively. (See Figure 4 below)

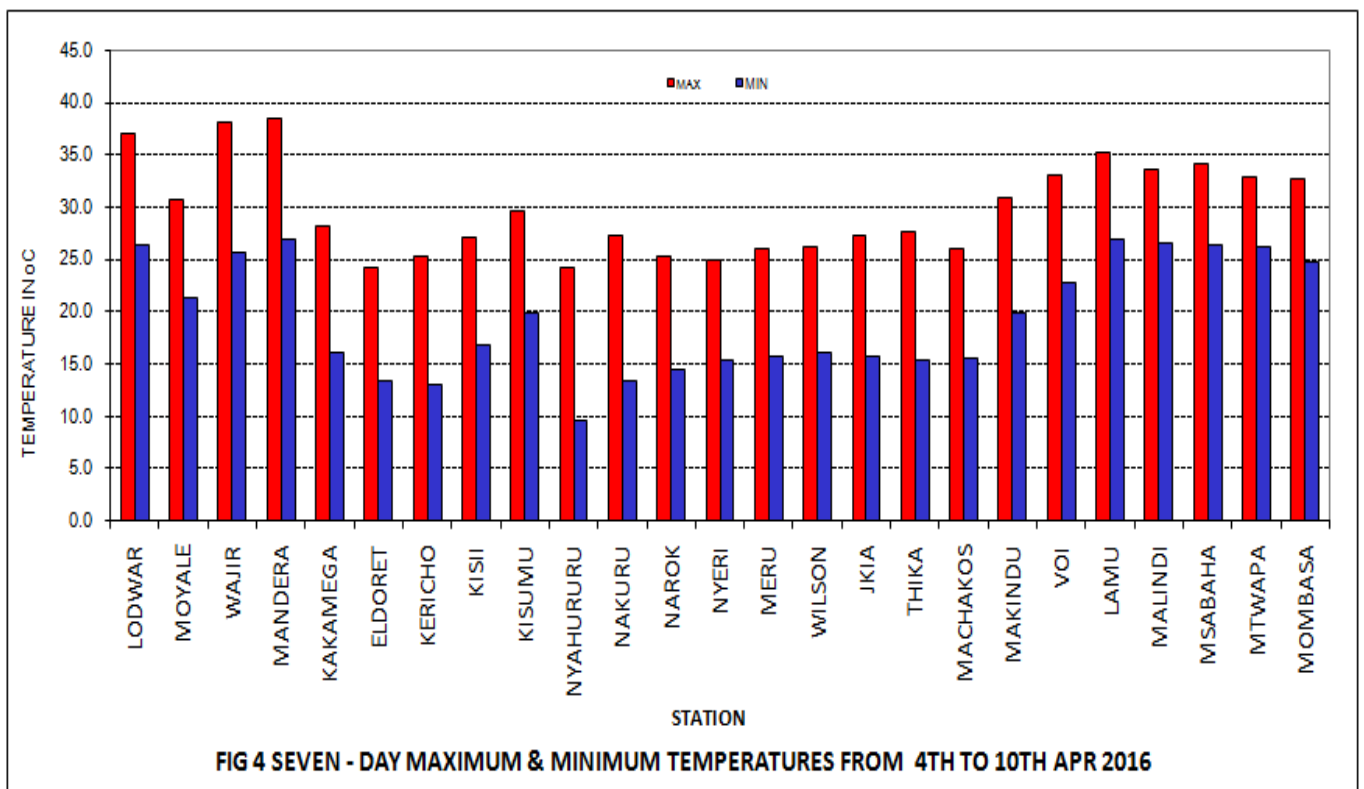


FIG 4 SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 4TH TO 10TH APR 2016

2. FORECAST FOR THE NEXT SEVEN DAYS FROM 12TH TO 18TH APRIL, 2016

The forecast indicates that:

- Rainfall is expected to continue over several parts of the country throughout the forecast period.

EXPECTED IMPACTS

- There is a risk of flooding over low-lying areas and those with poor drainage.
- Land-slides are likely on steep slopes.
- Roads are likely to be slippery thus motorists need to exercise caution.
- There is a risk of lightning strikes especially in the Western parts of the country.

3. DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 12TH TO 18TH APRIL, 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 mainly sunny intervals in the morning with occasional rains over few places throughout the forecast period. Afternoon/night showers and thunderstorms may occur over several places during the beginning of the forecast period and reducing to few places thereafter;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience mainly sunny intervals the whole day. However there are chances of afternoon/night 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 cloudy mornings with occasional rains over few places and afternoon/night showers over few places for the entire forecast period;

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. However, the morning rains on Tuesday may be over several places;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience cloudy mornings with occasional rains over few places and afternoon/night 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. However, there may be afternoon showers over few places on Tuesday.

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 DIRECTOR OF METEOROLOGICAL SERVICES