



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

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 5TH
 TO 11TH APRIL, 2016**

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**Review of weather for the last seven-day
 period 28th March to 3rd April, 2016):**

- With the onset of the long rains, significant rainfall was reported over most parts of the country with the exception of the Coastal and Northeastern areas;
- Compared to the previous seven-day period, there was a general increase in rainfall amount over much of the country;
- Day-time temperatures decreased over most parts of the country except over Meru, Thika and Lamu;
- Night-time temperatures generally increased over most areas with the exception of parts of the Northeast, Northwest and Coast.

**Forecast for the next seven days (5th to
 11th 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 28th March to 3rd April, 2016

1.1 Rainfall Review

With the onset of the long rains, significant rainfall was reported over most parts of the country with the exception of the Coastal and Northeastern areas (**See Fig 1**). Compared to the previous seven-day period, there was a general increase in rainfall amount over much of the country.

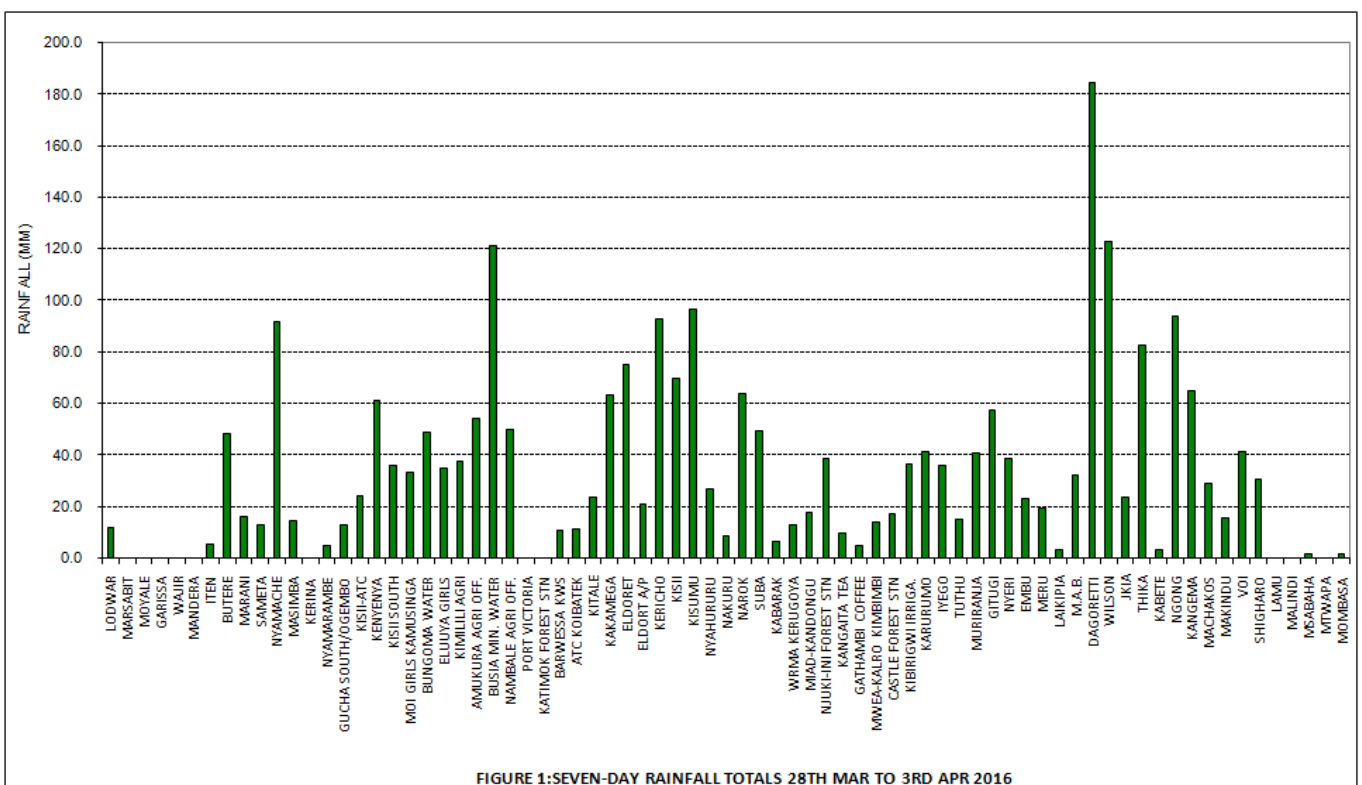


FIGURE 1:SEVEN-DAY RAINFALL TOTALS 28TH MAR TO 3RD APR 2016

Figure 2 depicts the spatial distribution of the rainfall totals for the seven-day review period (**28th March to 3rd April, 2016**) over the country. During the review period Dagoretti Meteorological Station recorded the highest seven day total of 184.6mm. The same station received the highest amount of rainfall in 24 hours (96mm on 31st March, 2016). **Figure 3** depicts areas that received heavy rainfall (>20mm/24hrs) during the review period.

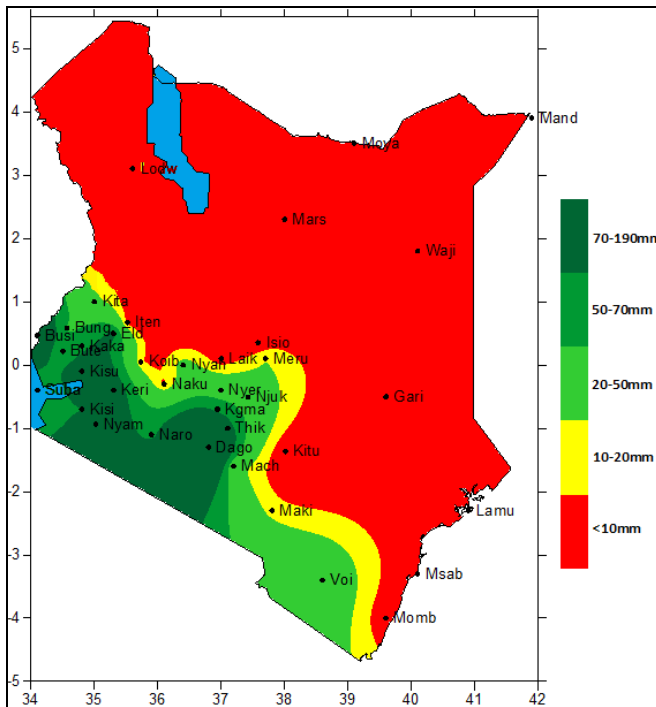


Fig 2: Spatial map of rainfall totals for 28th March to 3rd April, 2016.

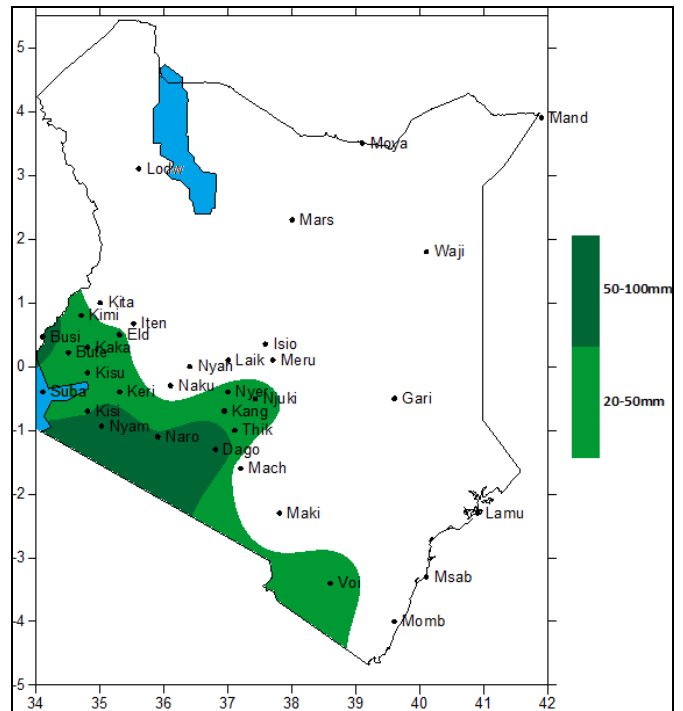


Fig 3: Spatial map of heavy rainfall and very heavy rainfall for 28th March to 3rd April, 2016.

1.2 Temperature

During the review period, day-time (maximum) temperatures decreased over most parts of the country except over Meru, Thika and Lamu. Night-time (minimum) temperatures generally increased over most areas with the exception of parts of the Northeast, Northwest and Coast.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 40.2°C on 28th March, 2016. Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 8.1°C on 29th March, 2016. Mandera Meteorological Station recorded the highest seven-day average maximum temperature of 39.2°C while Nyahururu Meteorological Station recorded the lowest seven-day average minimum temperature of 10.2°C. (*See Figure 4 below*)

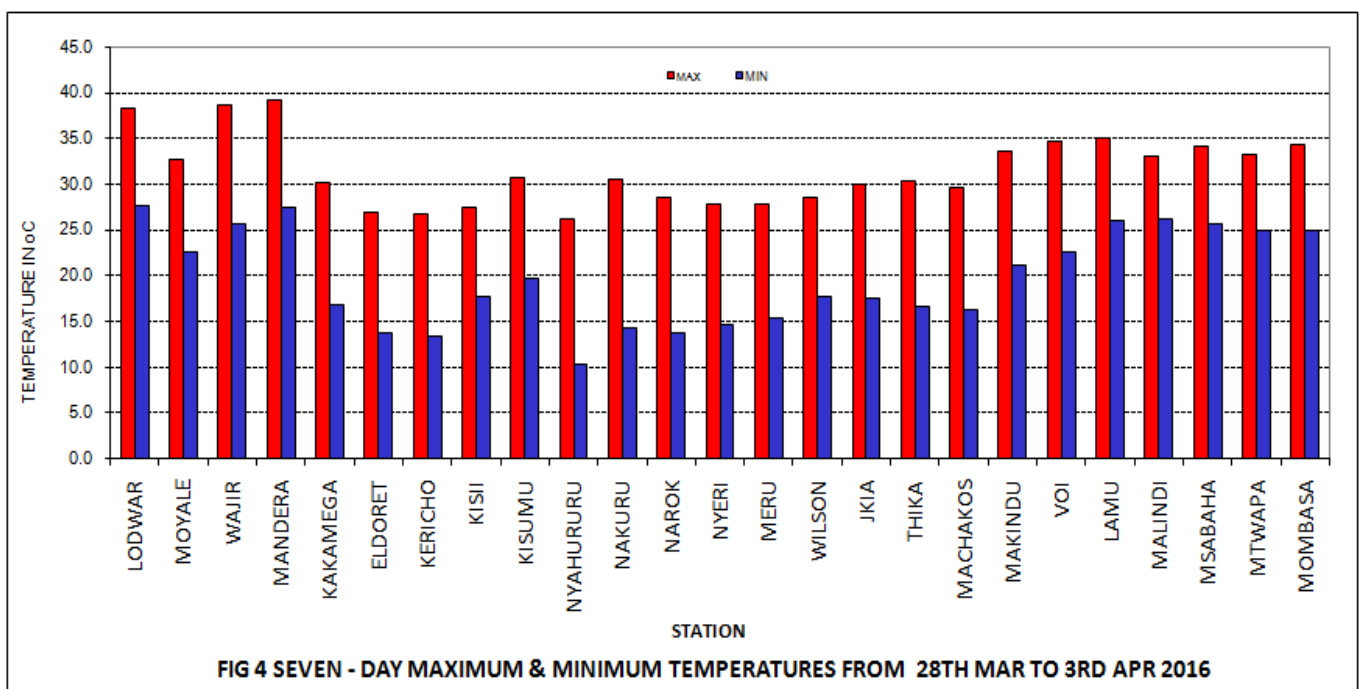


FIG 4 SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 28TH MAR TO 3RD APR 2016

2. FORECAST FOR THE NEXT SEVEN DAYS FROM 5TH TO 11TH 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 5TH TO 11TH 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 with the exception of Tuesday to Thursday when there may be isolated showers and thunderstorms over few places;

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 in the morning 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;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience cloudy mornings with occasional rains over few places in the morning and afternoon/night showers over few places for much of the forecast period;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience mainly sunny intervals the entire day for much of the forecast period. However, morning showers may occur over few places during the second half of 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

J. Gacheru,

FOR DIRECTOR OF METEOROLOGICAL SERVICES