MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE
KENYA METEOROLOGICAL DEPARTMENT

REPUBLIC OF KENYA

TAITA TAVETA COUNTY

MONTHLY WEATHER FORECAST FOR OCTOBER, 2026

Forecast Period: 1st – 31st October, 2026

Ref No: MET/TITA/FCST/26/010 Date of Issue: 2nd October, 2026

MONTHLY FORECAST FOR OCTOBER, OUTLOOK FOR THE NEXT THREE MONTHS (OCTOBER-NOVEMBER-DECEMBER) AND REVIEW OF SEPTEMBER 2026

1.0 HIGHLIGHTS

1.1 Weather Outlook for October 2026

Above average rainfall (with higher probability) is likely to occur over several parts of central to east-southeastern areas of the county, with parts of central to west of the county expected to receive near-average-to-above-average rainfall during October. Mean temperatures are predicted to be warmer than average throughout the county.

In addition, moderate to strong south-easterly to easterly winds are expected generally; in some parts exceeding 25 knots (46 km/h) especially over open areas. Daytime temperatures are expected to range between 16°C and 35°C, while nighttime temperatures will range between 9°C and 23°C, with the lower-temperature conditions occurring over the highland areas.

1.2 Outlook for October–November-December (OND) 2026

The forecast for the next three months indicates that most parts of the county are expected to experience above average rainfall. Expected **Onset dates are still to be between the 3rd and 4th weeks of October generally, but several parts of the county may have onsets from 2nd week; for Cessation the OND rains are expected to continue into January 2027; distribution remains fair-to-good.** Mean temperatures are predicted to be warmer than average during the season.

1.3 Review of September 2026

During September 2026, most parts of the county remained generally dry, with several areas around Taita hills and parts of Taveta and the east-southeast experiencing light-to-moderate rains. Mean temperatures remained above average over most parts.

2.0 RAINFALL OUTLOOK FOR OCTOBER 2026

2.1 September Rainfall Climatology and Forecast

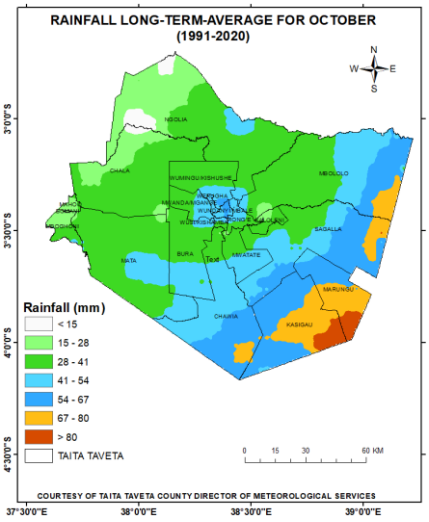

Figure 1: October Rainfall Long-Term-Average

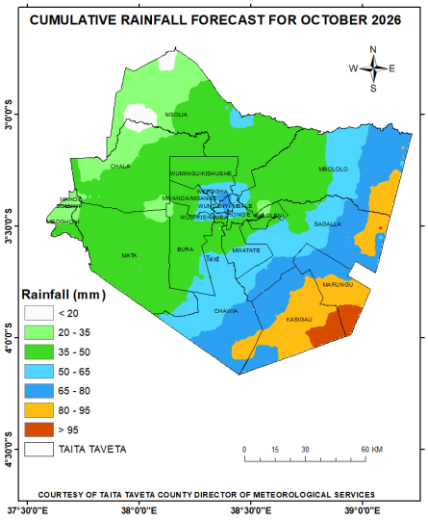

Figure 2: October 2026 Rainfall Forecast

Figure 1: October Rainfall long term average for the county. Refer the legend.

October marks the onset of the October-November-December "Short Rains" season over much of Kenya.

Figure 2: The forecast map indicates increased amounts of rainfall cumulatively, with majority expected to occur in the second half of the month.

2.2 Rainfall, Temperature and Wind Outlook for October 2026

Average rainfall (with higher probability) is likely to occur over several parts of central to east-southeastern areas of the county, with parts of central to west of the county expected to receive near-average-to-above-average rainfall during October. Mean temperatures are predicted to be warmer than average throughout the county. In addition, moderate to strong south-easterly to easterly winds are expected generally; in some parts exceeding 25 knots (46 km/h) especially over open areas. Daytime temperatures are expected to range between 16°C and 35°C, while nighttime temperatures will range between 9°C and 23°C, with the lower-temperature conditions occurring over the highland areas.

3.0 POTENTIAL IMPACTS

The following are the likely impacts of the October 2026 weather conditions in different sectors across the county.

3.1 Agriculture and Livestock

The above-average rainfall is expected to improve soil moisture, support land preparation and planting activities, enhance pasture regeneration, and improve water availability for livestock. However, enhanced rainfall in some areas may also lead to waterlogging, delayed farm operations, increased crop diseases and difficulties in transporting agricultural produce.

3.2 Transport and Infrastructure

Enhanced rainfall may improve water availability for construction and support some infrastructure projects, but heavy rainfall may also disrupt road transport through flooding, waterlogging, and erosion of roads and bridges. Rural access roads are particularly vulnerable to becoming impassable after sustained rainfall. Urban areas may also experience traffic disruptions when drainage systems are overwhelmed.

3.3 Health

Increased stagnant water may create favourable breeding conditions for mosquitoes, potentially increasing the transmission of vector-borne diseases such as malaria in susceptible areas. Flooded or poorly drained settlements may also face higher risks of water-borne diseases where water quality and sanitation are compromised.

3.4 Water Resources

Above-average rainfall is likely to increase river flows, replenish dams, water pans, and groundwater resources, and improve water availability for domestic, agricultural, and industrial use. The rains may also contribute significantly to the recovery of water sources that are often stressed during the dry season. At the same time, heavy rainfall could increase runoff and cause localized flooding in some catchments, especially where drainage systems are inadequate.

3.5 Disaster Risk Management

Enhanced rainfall is likely to increase the probability of weather-related hazards such as flash floods, riverine flooding, landslides, and localized infrastructural damage. Flood-prone river basins, urban centres with poor drainage, and steep highland areas are particularly vulnerable.

NB: This outlook should be used together with the Weekly County Forecasts developed and availed by the County Meteorological Office, as well as any other weather updates and advisories that may be communicated when necessary.

Prepared by:

Geoffrey MWONGELA
County Director of Meteorological Services
Taita Taveta County
Mobile: 0721 565609
Email: cdmsttc@gmail.com or geomwo2020@gmail.com
Website: www.meteo.go.ke