



**THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS, TRANSPORT AND
COMMUNICATION**

TANZANIA METEOROLOGICAL AGENCY

**WEATHER SUMMARY FOR OCTOBER, 2018 AND WEATHER
OUTLOOK FOR NOVEMBER, 2018**

Highlights for November, 2018

This statement summarizes the current state of climate systems and associated weather during the month of October, 2018; and subsequently outlook of climate systems for the month of November, 2018 over the country.

- a) Generally, over bimodal areas, the *Vuli* rains have not started well and the distribution is also poor over most areas. For the month of October, 2018, some rains were experienced over the Lake Victoria basin, North eastern Highland and few areas of the Northern Coast.
- b) *Msimu* rains are expected to commence between the first and second week of November, 2018, over Kigoma and Katavi regions, and between third and fourth week of November, 2018 over the other regions. However, few episodes of off-seasonal rains have been reported over few areas of the southern coast, western part of the Country as well as southwestern highlands. Elsewhere mainly dry conditions were observed.
- c) For the month of November 2018, Rains are likely to progress and spread over most parts of the country especially during the third and fourth weeks of the month.

**1.0 REVIEW OF OCTOBER, 2018 WEATHER AND CLIMATE SYSTEMS
AND OUTLOOK FOR NOVEMBER, 2018**

1.1 VULI, 2018 RAINS (Bimodal Areas)

The 'Vuli' rains over the bimodal areas have already started. During the month of October rainfall activities fared well over most areas of the Lake Victoria basin. Over the Northern coast the distribution of rainfall was poor over most areas.

Over the Northeastern highlands rains have also started over some areas during the fourth week of October as highlighted in the *Vuli* updated statement. However, the distribution of these rains is also poor over most areas.

Persistence of warmer than normal sea surface temperatures off the Somali coast resulted into formation of tropical depression particularly during the second week of October, 2018. This situation did not only cause reduction in moisture over most areas of the country, especially over the Northern coast and North-eastern highlands but also slowed down the southward movement of the rain making system, i.e. the ITCZ.

Persistence of intensification of southern high-pressure system also resulted into reduction of rainfall activities over those areas.

1.2 MSIMU RAINS (Unimodal Areas)

During the month of October, 2018, few episodes of off-seasonal rains have been reported over few areas of the southern coast, western part of the Country as well as southwestern highlands. The rainfall activities, are likely to coincide with the onset of the *msimu* rains especially over the Western part of the country.

2.0 OUTLOOK FOR NOVEMBER, 2018

2.1 WEATHER AND CLIMATE SYSTEMS

Warm sea surface Temperature conditions are expected over Central Tropical Pacific Ocean, South central Indian Ocean and Northern part of Indian Ocean, slightly warm sea surface Temperature condition is expected over south west Indian Ocean (Tanzania coast) while slight cool sea surface temperature conditions are expected over Angola coast and East of the Indian Ocean during the month of November, 2018. Slightly warm sea surface temperatures over the south west Indian Ocean, along Tanzania Coast are likely to cause off shore wind along the coastal belt and hence reduce rainfall activities over the northern coast. Cool sea surface temperature conditions over Angola coast are likely to cause moisture influx from Congo basin towards our country and hence influence rainfall activities over Lake Victoria basin, and western parts of the country.

2.2 WEATHER OUTLOOK FOR NOVEMBER, 2018

2.2.1 *Vuli* rains (Bimodal Areas)

During the month of November, 2018 moderate rains are expected over the Lake Victoria Basin. Poor distribution of rainfall is still expected over the Northern coast and the Northeastern highlands due to progressive warming

over the central Indian Ocean which is likely to cause an off-shore flow of winds. However, it should be noted that there is high chance of less rainfall during the month of December, 2018 over most areas of the Northern coast and North-eastern highlands, therefore mainly normal to above normal rains are expected during the remainder of the *Vuli*, 2018 season especially over the Northern coast and North eastern highlands. In this regard, farmers are advised to make follow up of the 10-day forecasts and receive advice from Agricultural Extension Officers on appropriate actions to be taken for proper utilization of the expected rains.

Northern Coast (Tanga, Pwani, Dar es Salaam regions, northern sector of Morogoro region, Unguja and Pemba Islands): suppressed rains are expected over most areas during the first two weeks of the month, followed by enhanced rains over some areas during the remaining weeks of the month.

North Eastern Highlands (Kilimanjaro, Arusha and Manyara regions): suppressed rains are expected over most areas during the first two weeks of the month, followed by enhanced rainfall activities over some areas during the remaining weeks of the month.

Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Mara and Simiyu regions): Moderate rains are expected to continue over some areas for the first two weeks of the month followed by enhancement of rainfall activities for the remaining weeks of the month.

2.2.2 Msimu rains (Unimodal Areas)

Rains over these areas are expected to commence between the first and second week of November, 2018 over Kigoma and Katavi regions there after spreading to Rukwa, Tabora, Singida, Dodoma, Njombe, Iringa, Mbeya, Ruvuma, Mtwara, Lindi and Southern parts of Morogoro region between the third and fourth week of November, 2018.

Western regions (Kigoma, Katavi and Tabora regions): Mainly dry conditions during the first week of the month followed by few episodes of rainfall activities during the second week of the month, thereafter enhancement of rainfall activities for the remaining weeks of the month.

Central areas (Dodoma and Singida regions): Mainly dry conditions are expected to persist for the first two weeks of the month followed by rainfall activities for the remaining two weeks of the month.

Southwestern highlands (Rukwa, Njombe, Iringa, Mbeya region and Southern sector of Morogoro region): Mainly dry conditions are likely

during the first two weeks of the month followed by enhancement of rainfall activities during the remaining weeks.

Southern Coast (Mtwara and Lindi regions): Mainly dry conditions are likely during the first two weeks of the month followed by occasional periods of rain over some areas especially during the third and fourth week of the month.

Southern region (Ruvuma region): Mainly dry conditions are expected to persist during the first two weeks of the month, followed by few periods of rains over few areas for the third week, and finally enhancement of rainfall activities during the fourth week of the month.

Issued by;

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