



DEKADAL Weather Review and Outlook

1.0 WEATHER REVIEW FOR DEKAD No. 52 (01st – 10th JUNE, 2023) AND OUTLOOK FOR DEKAD No. 53 (11th – 20th JUNE, 2023).

1.1 WEATHER REVIEW FOR DEKAD No. 52 (01st – 10th JUNE, 2023).

During this dekad, the strength of the southern high-pressure systems (St. Helena and Mascarene) continued to intensify while their counterparts the northern high-pressure systems (Azores and Siberia) were relaxing. This situation maintained the position of the intertropical convergence zone (ITCZ) further north and off our country. Sea Surface Temperatures (SSTs) over the Indian Ocean were generally neutral to slight warmer than normal and hence minimal effect in the advection of moist maritime wind from the ocean towards the coastal areas. Over the central equatorial Pacific Ocean, SSTs were neutral to slight warmer than normal while the eastern Atlantic Ocean (off Angola coast) observed warmer than normal SSTs with less contribution in the transference of moist westerly wind from Congo basin towards the western sector of the country.

1.2 WEATHER SUMMARY FOR DEKAD No. 52 (01st – 10th JUNE, 2023).

The synoptic features mentioned above had collectively influenced isolated thundershowers over the Lake Victoria basin. Meanwhile, some areas along north eastern highland and northern coast experienced slight to moderate rain showers respectively. Other areas of the country had experienced dry conditions with longer sunny periods.

2.0 WEATHER OUTLOOK FOR DEKAD No. 53 (11th – 20th JUNE, 2023).

2.1 EXPECTED SYNOPTIC SITUATION

The coming dekad is expected to be dominated with a slight intensification of the southern hemisphere high-pressure systems (St. Helena and Mascarene) and the relaxation of the northern hemisphere high-pressure systems (Azores and Siberian). This condition is expected to slightly

enhance wind speed over the coastal areas specially towards the end of the dekad. SSTs over the Indian Ocean are expected to be generally neutral to slight warm with minimal impact on the advection of maritime winds towards the coastal areas especially during the first half of the dekad. Over the southeast Atlantic Ocean (near Angola coast), SSTs are expected to be warmer than normal, the scenario which will have less contribution in the transference of moist westerly wind from Congo basin towards the western sector of the country.

2.2 EXPECTED WEATHER OUTLOOK FOR DEKAD No. 53 (11th – 20th JUNE, 2023).

Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara regions):

Isolated cases of thundershowers are expected over few areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions): Mainly dry condition expected.

Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba): Mainly dry condition with pockets of light rainshowers especially during the second half of the dekad.

Western regions (Kigoma, Katavi and Tabora regions): Dry condition is expected.

Central areas (Dodoma and Singida regions): Dry condition is expected.

Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions): Dry condition is expected.

Southern Coast (Mtwara and Lindi regions): Dry condition is expected.

Southern region (Ruvuma and Southern part of Morogoro regions): Dry condition is expected.

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