



DEKADAL Weather Review and Outlook

1.0 WEATHER REVIEW FOR DEKAD No. 47 (11th – 20th APRIL, 2023) AND OUTLOOK FOR DEKAD No. 48 (21st –30th APRIL, 2023).

1.1 WEATHER REVIEW FOR DEKAD No. 47 (11th – 20th APRIL, 2023).

During this period, the southern high-pressure systems (St. Helena and Mascarene) maintained its strength while the northern high-pressure systems (Azores and Siberia) relaxed. This condition maintained the Intertropical Convergence Zone (ITCZ) over the northern sector of the country. Sea Surface temperature (SSTs) over the south western Indian Ocean (SWIO) were slight warmer than average, the condition which favored the advection of moist maritime wind towards the coastal belt. SSTs over the central equatorial Pacific Ocean (CEPO) were neutral while the eastern Atlantic Ocean (off Angola coast) observed warmer than normal SSTs with less contribution in the advection of moist westerly wind from Congo basin towards the western sector of the country.

1.2 WEATHER SUMMARY FOR DEKAD No. 47 (11th – 20th APRIL, 2023)

The above weather systems favored thundershowers over the Lake Victoria Basin, west, southwestern highlands and along the coast. Central and northeastern highlands areas experienced light to moderate rainshowers.

2.0 WEATHER OUTLOOK FOR DEKAD No. 48 (21st – 30th APRIL, 2023).

2.1 EXPECTED SYNOPTIC SITUATION

During this period, the southern high-pressure systems (St. Helena and Mascarene) are expected to maintain its strength while the northern high-pressure systems (Azores and Siberia) are expected to relax. This situation is expected to continue positioning the ITCZ over the northern sector of the country. SSTs over the SWIO are expected to be slight warmer than normal, with an overall positive impact towards the advection of moist maritime wind towards the coastal

areas. Over the central equatorial Pacific Ocean SSTs are expected to be warmer, this condition is expected to strengthen rainfall making mechanism within the country. On the other hand, SSTs over the eastern Atlantic Ocean (off Angola coast) are expected to be warmer than normal with less contribution in the advection of moist westerly wind from Congo basin towards the western sector of the country.

2.2 EXPECTED WEATHER OUTLOOK FOR DEKAD No. 48 (21st – 30th APRIL, 2023).

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

Thundershowers are expected.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions): Thundershowers are expected.

Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba): Thundershowers are expected over some areas.

Western regions (Kigoma, Katavi and Tabora regions): Thundershowers are expected.

Central areas (Dodoma and Singida regions): Rain with isolated cases of thunderstorms is expected.

Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions): Thundershowers are expected over some areas.

Southern Coast (Mtwara and Lindi regions): Thundershowers over some areas are expected.

Southern region (Ruvuma and Southern part of Morogoro regions): Thundershowers over some areas are expected.

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