



DEKADAL Weather Review and Outlook

1.0 WEATHER REVIEW FOR DEKAD No. 44 (11th – 20th MARCH, 2023) AND OUTLOOK FOR DEKAD No. 45 (21st – 31st MARCH, 2023).

1.1 WEATHER REVIEW FOR DEKAD No. 44 (11th - 20th MARCH, 2023).

During this dekad, the northern high-pressure systems (Azores and Siberia) slightly intensified while its counterparts the southern high-pressure systems (St. Helena and Mascarene) maintained. This scenario confined the ITCZ over some areas of the western sector and Lake Victoria basin. Sea surface temperature (SSTs) over the large areas of the Indian Ocean were generally normal to slightly cooler than normal with less contribution in the advection of moisture from the Indian Ocean towards the coastal areas. Meanwhile, the active phase of the Madden Julian Oscillation (MJO) favored enhanced convection over some areas of the country.

1.2 WEATHER SUMMARY FOR DEKAD No. 44 (11th – 20th MARCH, 2023).

The above weather systems favored thundery activities over the Lake Victoria Basin, west, southern region, south-western highlands and along the northern coast. Meanwhile, other areas within the country experienced light to moderate rainshowers.

2.0 WEATHER OUTLOOK FOR DEKAD No. 45 (21st – 31st MARCH, 2023).

2.1 EXPECTED SYNOPTIC SITUATION

During this period, the southern high-pressure systems (St. Helena and Mascarene) are likely to intensify while the northern high-pressure systems (Azores and Siberia) are expected to relax. This condition is expected to squeeze the ITCZ northwards towards the bimodal areas. SSTs over Southwest Indian Ocean is expected to be slight warmer especially over the northern Madagascar transforming into low-pressure development. MJO is expected to be in active phase favoring convective activities to some areas within the country.

2.2 EXPECTED WEATHER OUTLOOK FOR DEKAD No. 45 (21st - 31st MARCH, 2023).

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

Thundershowers over few areas are expected.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions): Rain showers with isolated cases of thunderstorms over few areas 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.

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

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

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

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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