



# *DEKADAL Weather Review and Outlook*

## **1.0 WEATHER REVIEW FOR DEKAD No. 35 (11<sup>th</sup> – 20<sup>th</sup> DECEMBER, 2024) AND OUTLOOK FOR DEKAD No. 36 (21<sup>st</sup> – 31<sup>st</sup> DECEMBER, 2024)**

### **1.1 WEATHER REVIEW FOR DEKAD No. 35 (11<sup>th</sup> – 20<sup>th</sup> DECEMBER, 2024)**

During this dekad, the southern hemisphere high-pressure systems (St. Helena and Mascarine) continued to relax while the northern hemisphere high-pressure systems (Azores and Siberian) continued to intensify. This condition maintained the gradual southward movement of the meridional arm of the ITCZ, into areas along the Lake Victoria Basin, central, western part of our country and southwestern highlands. On the other hand, SSTs over the area between north of Madagascar and East African coast were warmer than normal. This condition enhanced formation of low-pressure systems particularly the tropical cyclone “CHIDO” over that area hence, improved the precipitation making mechanisms (zonal arm of ITCZ) over coastal areas of our country and nearby areas.

### **1.2 WEATHER SUMMARY FOR DEKAD No. 35 (11<sup>th</sup> – 20<sup>th</sup> DECEMBER, 2024)**

The above weather systems resulted into thundershowers over most areas of the country. Moreover, Periods of heavy rain were also observed over few areas of the Northern coast.

## **2.0 WEATHER OUTLOOK FOR DEKAD No. 36 (21<sup>st</sup> – 31<sup>st</sup> DECEMBER, 2024)**

### **2.1 EXPECTED SYNOPTIC SITUATION FOR DEKAD No. 36 (21<sup>st</sup> – 31<sup>st</sup> DECEMBER, 2024)**

During this dekad, the southern hemisphere high-pressure systems (St. Helena and Mascarine) are expected to continue relaxing while the northern hemisphere high-pressure systems (Azores and Siberian) are expected to continue intensifying. This condition is expected to maintain the gradual southward movement of the meridional arm of the ITCZ, off the Lake Victoria Basin especially during the second half of the dekad and remain over the central, western part of our country and southwestern highlands. On the other hand, SSTs over the area between north of

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Madagascar and East African coast are expected to be cooler than normal. This condition is expected to suppress the formation low-pressure systems of that area hence, suppress the precipitation making mechanisms (zonal arm of ITCZ) over coastal areas of our country and nearby areas.

## **2.2 EXPECTED WEATHER OUTLOOK FOR DEKAD No. 36 (21<sup>st</sup> – 31<sup>st</sup> DECEMBER, 2024)**

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

Thundershowers are expected over few areas.

**Northeastern highlands (Arusha, Manyara and Kilimanjaro regions):** Thundershowers are expected over few areas.

**Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba):** Periods of light Rain showers are expected over few areas.

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

**Central areas (Dodoma and Singida regions):** Thundershowers are expected over few areas.

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

**Southern Coast (Mtwara and Lindi regions):** Periods of light rain showers are expected over few areas.

**Southern region (Ruvuma and Southern part of Morogoro regions):** Periods of rainshowers are expected over few areas.

Issued by:

### **TANZANIA METEOROLOGICAL AUTHORITY**

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