



Kigali, 2nd July 2023

Weather Forecast for the month of July 2023

1. Rainfall forecast

During the month of July 2023, the amount of rainfall ranging between 0 and 45 mm is expected across the country. The expected rainfall for the month of July 2023 will be in the range of Long-Term Mean (LTM) over many parts of the country, only few parts of northwestern will experience above LTM (LTM rainfall for the month of July ranging between 0 and 30 mm). All three dekads of July 2023 are expected to receive rainfall which is within the range of LTM. The main drivers of weather during the month of July 2023 are Sea Surface Temperature (SSTs) in both Indian and Pacific Oceans which are above normal conditions and local factors.

The spatial distribution map below shows that higher amount of rainfall is expected to range between 30 and 45 mm over Northern parts of Rubavu, Nyabihu, Musanze and Burera Districts. Rainfall ranging between 15 and 30 mm is expected in remaining parts of Western Province except southern parts of Rusizi District; remaining parts of Musanze, Burera and western parts of Nyamagabe Districts. Rainfall less than 5 mm is the lowest expected over Kirehe, Ngoma and Bugesera Districts; many parts of Kigali, Kayonza and Rwamagana, eastern parts of Gisagara, Nyanza, Ruhango, Gatsibo and Nyagatare Districts. The remaining parts of the country are expected to record rainfall ranging between 5 and 15 mm.

2. Wind Speed forecast

The wind speed distribution indicated by the map below for the month of July 2023 shows that moderate to strong wind ranging between 4m/s and 10m/s is expected across the country. Strong wind speed ranging between 8 and 10 m/s (amber colour) is expected in localized parts of Rubavu, Rutsiro, Karongi, Rusizi, Nyamasheke, Burera and Gatsibo Districts. Slightly strong wind ranging between 6 and 8 m/s (yellow colour) is expected over many parts of Nyagatare, Gatsibo, Kayonza, Kirehe, Gicumbi, Huye, Nyamagabe, Nyaruguru, northern parts of Burera and Musanze Districts, western parts of Nyabihu and Ngororero Districts; and the remaining parts of Rubavu, Rutsiro, Karongi, Nyamasheke and Rusizi Districts. The rest of the country is expected to experience moderate wind speed ranging between 4 and 6 m/s (green colour).

3. Temperature forecast

During the month of July 2023, the average maximum temperature is expected to range between 20°C and 30°C. Temperature ranging between 28°C and 30°C is the highest expected in the areas of Bugarama plain and localized parts of Kigali, Bugesera, Ngoma Ruhango, Nyanza and Gisagara Districts. Lower maximum temperature is expected to range between 20°C and 22°C over many parts of Musanze, Nyabihu, eastern parts of Rutsiro, Rubavu and northern parts of Burera and Gicumbu Districts and localized parts of Nyungwe National Park. The expected temperature will be slightly below the range of Long-Term Mean (LTM) maximum temperature for the month of July 2023 over many parts of the country.

For more details on spatial of rainfall, maximum temperature and wind speed distribution, please do refer to the following maps below.

