



Kigali, 30th August 2023

Weather Forecast for the month of September 2023

1. Rainfall forecast

During the month of September 2023, the amount of rainfall ranging between 0 and 100 mm is expected across the country. The expected rainfall for the month of September 2023 will be below the range of Long-Term Mean (LTM) (the range of LTM for the month of September is between 50 and 200 mm). The expected rainfall will increase towards the end of the month over many parts of the country.

The main drivers of weather during the month of September 2023 are the Sea Surface Temperature (SSTs) in both Indian and Pacific Oceans which are above normal conditions, local factors and southward migration of ITCZ which is approaching northern parts of the country.

The spatial distribution map below shows that higher amount of rainfall ranging between 75 and 100 mm is expected over most parts of Rubavu, northern parts of Nyabihu, Musanze and Burera, north western parts of Rutsiro, southern parts of Nyamasheke, eastern parts of Rusizi and a small part of western Ngororero Districts.

Rainfall ranging between 50 and 75 mm is expected in western parts of Nyamagabe and Nyaruguru Districts, remaining parts of Nyabihu, Musanze and Burera Districts, most part of Gakenke, northern parts of Muhanga, Rulindo and Gicumbi Districts and in the remaining parts of Western Province.

Rainfall ranging between 25 and 50 mm is expected over most parts of Nyaruguru, Nyamagabe, Huye, Nyanza, Ruhango and Muhanga Districts, the remaining parts of the Northern Province, northern Nyagatare, a small part of western Gatsibo, south western Kayonza and northern Gasabo Districts.

Rainfall ranging between 0-25 mm is expected in most parts of Eastern Province, Kigali City and the remaining parts of Southern Province.

2. Wind Speed forecast

The wind speed spatial distribution map for the month of September 2023 indicates moderate to strong wind ranging between 4m/s and 10m/s with high chance of wind exceeding this range in some parts of the country. Strong wind of 10m/s speed (red colour) is expected in most parts of Rubavu, western Karongi, Rutsiro and eastern Nyamasheke Districts. Strong wind speed ranging between 8 and 10 m/s (amber colour) is expected over south eastern parts of Rubavu, eastern parts Rutsiro, Karongi, Rusizi, western parts of Nyabihu, Ngororero Rusizi, Nyamagabe, northern parts of Musanze, Burera, localized parts of southern Nyaruguru, eastern Kayonza and most parts of Kirehe Districts. Wind speed ranging between 6 and 8m/s (yellow colour) is expected over many parts of Eastern and Southern Provinces, remaining parts of Northern and Western Province and localized parts of eastern Gasabo and Kicukiro while the wind speed ranging between 4 and 6m/s (green colour) is expected in most parts of Kigali City, Amayaga region, a small part of southern and eastern Bugesera, eastern parts of Kamonyi and small pockets of eastern Muhanga District.



3. Temperature forecast

During the month of September 2023, the average maximum temperature is expected to range between 20°C and 32°C. Temperature ranging between 30°C and 32°C is the highest expected in the areas of Bugarama plain most parts of Kigali City, Bugesera, Ngoma, Rwamagana, Kayonza, Nyagatare, Gatsibo Amayaga region, eastern parts of Kamonyi Districts. Lower maximum temperature is expected to range between 20°C and 22°C over Birunga National Park and in small parts of Nyabihu Rubavu and Musanze Districts. The expected temperature will be above the range of Long-Term Mean (LTM) maximum temperature for the month of September 2023 over many parts of the country.

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



