



## Weather Forecast for the month of November 2023

### 1. Rainfall forecast

During the month of November 2023, the amount of rainfall ranging between 100 and 350 mm is expected across the country. The expected rainfall for the month of November 2023 will be above the range of Long-Term Mean (LTM) across the country (the LTM rainfall for the month of November ranges between 50 and 200mm). All three dekads for the month of November are expected to record rainfall above the range of LTM, with the rainfall amount decreases towards the end of the month. The main drivers of expected rainfall in this month are positive IOD condition, El Nino conditions in Indian and Pacific Oceans and overhead Inter Tropical Zone (ITCZ).

The spatial distribution map below shows that higher amount of rainfall expected to range between 300 and 350 mm over many parts of Nyaruguru, parts of Nyamagabe, Rusizi and Nyamasheke in Nyungwe National Park, Southern parts of Gisagara, Eastern parts of Rubavu and Rutsiro, Western parts of Ngororero and Nyabihu and Northern parts of Musanze and Burera Districts. Rainfall ranging between 150 and 200mm is expected in the remaining parts of Western Province and Northern province except southern parts of Gicumbi and Rulindo; same amount of rainfall is also expected in remaining parts of Nyamagabe and Nyaruguru, western parts of Nyanza, Ruhango, Muhanga, Nyagatare and southern parts of Huye District. A reduced amount of rainfall ranging between 100 and 150 mm is expected over many parts of Bugesera, western parts of Ngoma and eastern parts of Nyagatare, Gatsibo, Kayonza and Kirehe Districts. The rest of the parts of the country are expected to record rainfall ranging between 150 and 250 mm.

### 2. Wind Speed forecast

The wind speed spatial distribution indicated by the map below for the month of November 2023 shows that moderate to strong wind speed ranging between 4m/s and 10m/s is expected across the country. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected over almost entire country except localized areas of Muhanga, Kamonyi, Karongi, Nyamagabe and Rusizi Districts. Strong wind with a speed ranging between 8 and 10 m/s (amber colour) is expected and localized parts of Muhanga, Karongi, Gicumbi, easter Kamonyi, northern Nyamagabe and western Rusizi, , Moderate wind speed ranging between 4 and 6 m/s (green colour) is expected in western Gakenke, eastern Nyabihu, northernNgororero and northern Rutsiro Districts

### 3. Temperature forecast

During the month of November 2023, the mean maximum temperature is expected to range between 18°C and 30°C. Temperature ranging between 28°C and 30°C is the highest expected in this month over Bugarama, Amayaga, Many parts of Kigali City, Bugesera,Ngoma, eastern Kamonyi, Ruhango, Nyanza and Gisagara Districts. Lower maximum temperature is expected to range between 18°C and 20°C in the northern parts of Musanze, western parts of Nyabihu, western Musanze and eastern parts of Rubavu District. The expected temperature will be in the range of Long Term Mean (LTM) maximum temperature for the month of November 2023.



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

