



## Weather Forecast for the month of April 2024

### 1. Rainfall forecast

During the month of April 2024, the amount of rainfall ranging between 100 and 300 mm is expected across the country. The expected rainfall in April 2024 will be slightly above the range of Long-Term Mean (LTM) in western parts of the country and in range of LTM in the remaining parts of the country. The first dekad of April is expected to record slightly above the LTM in many parts of the country, the second and third dekads are expected to record rainfall in the range of LTM. The main drivers are positive phase of Indian Ocean Dipole (IOD) and persistence of El-Nino conditions in the Pacific Ocean.

The spatial distribution map shows higher amount of rainfall ranging between 260 and 300 mm is expected over eastern parts of Rusizi and Nyamasheke, western part of Nyamagabe and northern parts Rutsiro, Musanze and Burera Districts. Rainfall ranging between 220 and 260 mm is expected in the remaining parts of Western Province, remaining parts of Musanze and Burera Districts, western part of Nyaruguru, central part of Nyamagabe and northern parts of Gakenke District. Rainfall ranging between 100 and 140 mm is the lowest expected in eastern parts of Kigali City, Nyagatare, Gatsibo, Kayonza, Rwamagana, Kirehe, Ngoma and Bugesera Districts. The remaining parts of the country is expected to receive rainfall ranging between 140 and 200 mm.

### 2. Wind Speed forecast

The wind speed distribution indicated by the map for the month of April 2024 shows that moderate to strong wind speed ranging between 6m/s and 8m/s (yellow colour) is expected over Western Province, western parts of Nyamagabe, Ngororero, Nyabihu and Musanze, many parts of Gicumbi, Burera, Rulindo, Nyagatare, Gatsibo, Kayonza and Kirehe Districts. Moderate wind speed ranging between 4 and 6 m/s (green colour) is expected in the remaining parts of the country.

### 3. Temperature forecast

During the month of April 2024, the mean maximum temperature is expected to range between 18°C and 28°C a low temperature compares to recorded temperature in the month of March 2024. Temperature ranging between 26°C and 28°C is the highest expected in the month of April 2024 over Many parts of Nyarugenge, Kicukiro, Bugesera, western parts of Ngoma, eastern parts of Nyagatare, Kayonza and Gatsibo Districts, Bugarama plain and north eastern part of Gisagara District. The lowest maximum temperature is expected to range between 18°C and 20°C in eastern part of Rubavu, many parts of Nyabihu, northern parts of Musanze



and Burera Districts, localized part of Ngororero and western parts of Nyamagabe and Nyaruguru Districts. The expected temperature will be in the range of Long-Term Mean maximum temperature for the month of April.

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

