



Kigali, 20<sup>th</sup> February 2024

**Weather forecast valid between 21<sup>st</sup> and 29<sup>th</sup> February 2024**

1. **Rainfall forecast:** During the third (3<sup>rd</sup>) dekad of February 2024, the amount of rainfall ranging between 15 and 100 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) over the south western parts and near normal in the remaining parts of the country. (The range of LTM varies between 10 and 50 mm). Rainy days are expected to vary between two (2) and five (5) days. Predicted rains will be enhanced on the following dates 22<sup>nd</sup>, 26<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup>, and 29<sup>th</sup> over the southern and western parts of the country while the remaining parts of the country will be expected on 22<sup>nd</sup>, 26<sup>th</sup>, and 27<sup>th</sup>. The main factor influencing the rainfall is the Inter Tropical Convergence Zone (ITCZ) oscillating towards the southwestern parts of the country moderated by local factors.

**Spatial distribution of rainfall:** Rainfall ranging between 80 and 100 mm is the highest expected over Rusizi District, southern Nyamasheke, western Nyaruguru and Nyamagabe Districts. Rainfall ranging between 60 and 80 mm is expected in northern Nyamasheke, remaining parts of the Nyaruguru and Nyamagabe Districts, Karongi, western Huye and Nyanza, south western Rutsiro and areas in the volcanoes national park of Musanze, Burera, Nyabihu and north eastern Rubavu. The rainfall ranging between 45 and 60 mm is expected over remaining parts of Rubavu, Rutsiro, Musanze, Burera, western and southern Nyabihu, Ngororero, central Gakenke, Muhanga, western Ruhango, central Nyanza, eastern Huye and Gisagara . The rainfall ranging between 15 and 30 mm is the lowest amount expected over eastern and central parts of Nyagatare, Gatsibo, northern Kayonza, Rwamagana, northeastern Bugesera, north western Ngoma, southeastern Rulindo and Gicumbi, Gasabo and Kicukiro Districts whereas remaining parts of Nyagatare, Gicumbi, Rulindo, Gakenke, Bugesera, Ngoma, Kayonza districts and Kamonyi, Nyarugenge and Kirehe Districts are expected to receive rainfall ranging between 30 and 45 mm.

2. **Forecast of wind speed:** Moderate to strong wind speed ranging between 4 and 8 m/s is expected across the country. moderate to strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected in many parts of Gatsibo, Kayonza, Ngoma, Rwamagana, Bugesera, Nyanza, Gisagara, Karongi, parts of Rubavu, Musanze, Burera, Nyabihu, Gicumbi, southern Rutsiro, Kamonyi and southwestern Muhanga and Ruhango. 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 third (3<sup>rd</sup>) dekad of February 2024, the average maximum temperature is expected to range between 18°C and 30°C which is slightly above the range of LTM maximum temperature of the third (3<sup>rd</sup>) dekad of February over the north eastern parts of the country. Many parts of Kigali City, Bugarama Plains, parts of Nyagatare and Gatsibo, Kayonza, Rwamagana, Gisagara, Eastern Kamonyi, Ruhango, Nyanza, western Ngoma and Bugesera Districts are expected to experience higher maximum temperature ranging between 28°C and 30°C. Northwestern parts of Nyabihu and Musanze districts in the Volcanoes National Park expected to experience lower maximum temperatures ranging between 18°C and 20°C.



4. **Expected Impacts:** Impacts associated with heavy and accumulated rains are likely in south western parts of the country where increased rainfall (ranging between 80 and 100 mm) is expected. Likely impacts are flooding, poor visibility during rainstorms, soil erosion and landslides in areas of high slopes. Preparedness and mitigation measures should be put in place by relevant authorities and the public to work on minimizing impacts that may be caused by the expected rains.

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

