



Kigali, 31<sup>st</sup> January 2024

**Weather forecast valid between 1<sup>st</sup> and 10<sup>th</sup> February 2024**

- Rainfall forecast:** During the first (1<sup>st</sup>) dekad of February 2024, the amount of rainfall ranging between 10 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 of the country and will be in the range of the long term mean over the remaining parts of the country. (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between two (2) and six (6) days. Predicted rain will be expected on the following dates 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> where above LTM rainfall is predicted, while the rest of the country is predicted to receive rains on 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 5<sup>th</sup>. The main factor influencing the rainfall is upward push of the Inter Tropical Convergence Zone (ITCZ) 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, Nyamasheke, Nyamagabe, Karongi, western parts of Rutsiro, Huye and Ruhango and Nyaruguru Districts. Rainfall ranging between 60 and 80 mm is expected in remaining parts of Rutsiro, western Ngororero, Rubavu, Northwestern Nyabihu, Northern Musanze, northern and eastern Burera, remaining parts of Huye, western Gisagara, central Nyanza, western Ruhango and southern parts of Muhanga. The rainfall ranging between 10 and 20 mm is the lowest amount expected over eastern parts of Nyagatare, Kayonza, Gatsibo and northeastern parts of Kirehe Districts. The rest of Eastern Province except the western Nyagatare and Kigali city are expected to record rainfall ranging between 20 and 40 mm except western parts of Gasabo, northern and western Nyarugenge Districts, Kamonyi, Rulindo, Gakenke, Gicumbi, eastern parts of Gisagara, Nyanza, Ruhango, Northern Muhanga, Nyabihu, southern Musanze and southwestern parts of Burera districts where rainfall ranging between 40 and 60 mm is expected.

- Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. Moderate to slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected in many parts of Musanze, Burera, Nyabihu, Rubavu, Nyanza, Gatsibo, Kirehe, Ngoma, Bugesera, Eastern Ruhango, southern Kamonyi, northern Gisagara, Huye, Western Nyamagabe. Moderate wind speed ranging between 4 and 6 m/s (green colour) is expected in Kigali city and the remaining parts of the country.
- Temperature forecast:** During the first (1<sup>st</sup>) dekad of February 2024, the average maximum temperature is expected to range between 18°C and 30°C which is slightly below the range of LTM maximum temperature of first (1<sup>st</sup>) dekad of February. Many parts of Kigali City, Bugarama Plains, Eastern parts of Nyagatare and parts of 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.
- Expected Impacts:** Impacts associated with heavy and accumulated rain 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 institutions and the public to minimize impacts that may be caused by the expected rain.

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

