



Kigali, 10th November 2023

Weather forecast valid from 11th to 20th November 2023

1. **Rainfall forecast:** During the second (2nd) dekad of November 2023, the amount of rainfall ranging between 40 and 120 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) over most parts of Western, Northern and Southern Provinces while rainfall in the range of the Long-Term Mean is expected in the remaining parts of the country. (The range of LTM varies between 30 and 70 mm). Rainy days are expected to vary between three (3) and eight (8) days, unevenly distributed over different parts of the country. The critical dates (when heavy rain is predicted) are from the 12th to the 15th November 2023. The main factors influencing the rainfall are the increased moisture over Congo Forest and increased temperature to the normal in the Indian Ocean known as Indian Ocean Dipole (IOD) moderated by local factors.

Spatial distribution of rainfall: is the highest rainfall amount ranging between 100 and 120 mm is expected over the parts of Nyaruguru, Rusizi, Nyamasheke, western parts of Nyamagabe, Karongi and Ngororero Districts, eastern part of Rutsiro District and northern parts of Musanze and Burera District. Rainfall ranging between 80 and 100 mm is expected over the remaining parts of Western, Northern and Southern Provinces except in Amayaga region. The rainfall ranging between 60 and 80 mm is expected over Amayaga region, Kigali City and in many parts of Eastern Province except western and southern parts of Bugesera District, northern part of Nyagatare and eastern parts of Kirehe, and Kayonza Districts where the lowest amount of rainfall ranging between 40 and 60 mm is expected. For more details, please refer to the map of rainfall predicted below.

2. **Forecast of wind speed:** Moderate to strong wind speed ranging between 4 and 10 m/s is expected across the country. Strong wind speed ranging between 8 and 10 m/s (amber color) is expected in parts of Ngororero, Muhanga, Ruhango and localized parts of Nyanza, Huye, Gisagara, Nyaruguru and Karongi Districts. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour on the map of predicted wind speed) is expected over many parts of the country while moderate wind ranging between 4 and 6 m/s (green color) expected over Kigali city, Nyagatare, Gatsibo, Rwamagana, Rubavu and Musanze Districts
3. **Temperature forecast:** During the second (2nd) dekad of November 2023, the average maximum temperature is expected to range between 18°C and 28°C which is ranging within LTM maximum temperature of second (2nd) dekad of November. Many parts of Kigali City, Bugarama, Amayaga, Bugesera, Ngoma and localized parts of Kayonza, Gatsibo and Nyagatare Districts and few parts of Kirehe District are expected to experience higher maximum temperature ranging between 26°C and 28°C. Most parts of Nyabihu and eastern part of Rubavu are expected to experience lower maximum temperatures ranging between 18°C and 20°C.
4. **Expected Impacts:** Impacts associated with heavy and accumulated rain are expected across the country. Likely impacts are flooding on road surfaces and localized agricultural areas, flood-prone areas, slippery roads and poor visibility during rainstorms, soil erosion and landslides in areas of high slopes especially where heavy rainfall is expected. Preparedness and mitigation measures should be



put in place by relevant institutions and the public to minimize impact 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.

