



Kigali, 20th November 2023

Weather forecast valid from 21st to 30th November 2023

1. **Rainfall forecast:** During the third (3rd) dekad of November 2023, the continuous increase of rainfall is expected. Amount of rainfall ranging between 50 and 150 mm is expected across the country. The expected rainfall amount is above the range of Long-Term Mean (LTM) countrywide (the range of LTM varies between 30 and 70 mm). Rainy days are expected to vary between five (5) and eight (8) days, unevenly distributed over different parts of the country. The main factors influencing rainfall are increased moisture over Congo Forest and Sea Surface Temperatures (SSTs) in Indian Ocean commonly known as Indian Ocean Dipole (IOD) moderated by local factors.

Spatial distribution of rainfall: Rainfall ranging between 130 and 150 mm is the highest expected over Nyaruguru, Nyamagabe, Rusizi and Nyamasheke Districts, western parts of Huye, southern parts of Karongi, parts of Rutsiro and northern parts of Rubavu, Nyabihu, Musanze and Burera District. Rainfall ranging between 110 and 130 mm is expected over the remaining parts of Western and Northern Provinces except eastern parts of Gicumbi District where rainfall ranging between 90 and 110 is expected. The rainfall ranging between 50 and 70 mm is the lowest rainfall amount expected in Amayaga region and parts of Bugesera, Ngoma, Nyagatare and Gatsibo Districts.

2. **Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. 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) is expected over the rest of the country.
3. **Temperature forecast:** During the third (3rd) dekad of November 2023, the average maximum temperature is expected to range between 18°C and 30°C which is in the range of within LTM maximum temperature of third dekad of November. Localized parts of Kigali City, Bugarama, Gisagara, Bugesera and Ngoma Districts are expected to experience higher maximum temperature ranging between 28°C and 30°C. The rest parts of Eastern Province, Kigali City and Amayaga region are expected to experience maximum temperature ranging between 26°C and 28°C. Most parts of Nyabihu and northern parts of Musanze Districts 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.



Rainfall predicted between 21st and 30th November 2023

