



Kigali, 10th January 2024

Weather forecast valid between 11th and 20th January 2024

- Rainfall forecast:** During the second (2nd) dekad of January 2024, the south Western parts of the country will continue to experience above normal rainfall amount during the dekad. The amount of rainfall ranging between 10 and 120 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) mainly in Karongi, Nyamasheke, Rusizi, Nyamagabe, Nyaruguru, Huye, Gisagara, Nyanza District and southern parts of Ruhango, Bugesera, Ngoma and Kirehe Districts. The remaining parts of the country are expected to experience rainfall amount in the range of LTM which varies between 10 and 50 mm). Rainy days are expected to vary between two (2) and six (6) days with many days experienced in areas where above LTM rainfall is expected. The predicted dates of rainy days will be within the first half of the dekad (between 11th and 15th) and a reduction is expected in the second half of the dekad (between 16th and 20th). The main factors influencing the rainfall is southward migration of Inter Tropical Convergence Zone (ITCZ) moderated by local factors.

Spatial distribution of rainfall: Rainfall ranging between 90 and 120 mm is the highest expected over many parts of Rusizi and Nyamasheke, western parts of Nyamagabe and Nyaruguru Districts and southern parts of Karongi District. Rainfall ranging between 60 and 90 mm is expected in remaining parts of Rusizi, Nyamasheke, Nyamagabe, Nyaruguru, Karongi, Huye, Gisagara and Nyanza Districts and southern parts of Ruhango, Bugesera and Kirehe Districts. The rainfall ranging between 10 and 20 mm is the lowest amount expected over parts of Nyagatare District. The rest of the country is expected to record rainfall ranging between 20 and 60 mm.

- 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 parts of Kirehe, Kayonza, Gatsibo, Gisagara, Huye, Nyanza, Nyaruguru, Nyamagabe, Musanze and Burera Districts. The rest of the country is expected to experience moderate wind speed ranging between 4 and 6 m/s (green colour).
- Temperature forecast:** During the second dekad of January 2024, the average maximum temperature is expected to range between 18°C and 28°C which below the range of LTM maximum temperature of second dekad of January. Many parts of Kigali City, Eastern Province, Amayaga and Bugarama valley are expected to experience higher maximum temperature ranging between 26°C and 28°C. Eastern parts Rubavu and northern parts Nyabihu and Musanze Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.
- Expected Impacts:** Impacts associated with heavy and accumulated rainfall are likely in south western parts of the country where increased rainfall (ranging between 60 and 120 mm) is expected. Likely impacts of flooding, soil erosion and landslides in flood prone areas. Preparedness and mitigation measures should be put in place to minimize 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.

