



Kigali, 29th November 2024

Weather forecast for the month of December 2024

- 1. Summary:** During the month of December 2024, rainfall expected is above the range of the Long-Term Mean (LTM). Rainfall ranging between 100 and 400 mm is expected across the country. The first dekad is expected to receive rainfall which is above the range of LTM while the second and third dekads are expected to receive rainfall which is within the range of LTM. The maximum temperature is expected to range between 18 and 28°C while the minimum temperature expected to range between 8 and 16°C. The expected temperatures are in the range of LTM. Moderate to strong wind ranging between 4 and 10m/s is expected across the country. The main driver of expected rainfall is Intertropical Convergence Zone which is predicted to be over the region.
- 2. Rainfall forecast:** During the month of December 2024, the highest amount of rainfall is ranging between 350 and 400 mm is expected in the District of Rusizi and Nyamasheke, many parts of Nyamagabe, Nyaruguru, Burera and Karongi, Northern parts of Rubavu, Nyabihu, Musanze and North Eastern Gicumbi Districts. Rainfall ranging between 300 and 350mm, is expected in Gisagara and Rutsiro Districts, many parts of Huye, Ngororero, Nyabihu, Gicumbi, remaining parts of Rubavu Districts, central parts of Nyamagabe and Karongi. Rainfall ranging between 250 and 300mm is expected in Muhanga District, many parts of Nyanza, Ruhango and Rulindo, remaining parts of Huye, Nyamagabe, Karongi, Ngororero, Nyabihu, Gakenke and a small area of central Gicumbi District. Rainfall ranging between 200 and 250mm is expected in Amayaga, remaining parts of Rulindo, and Gicumbi Districts, North of Kigali City, Southern parts of Bugesera and small portion of western Nyagatare District. Rainfall ranging between 150 and 200mm is expected in Ngoma and Rwamagana Districts, remaining parts of Kigali city and Bugesera District, southern Kirehe, Kayonza, western Gatsibo, a small portion of western of Nyagatare District. Remaining parts of Eastern Province are expected to record rainfall ranging between 100 and 150mm.
- 3. Temperature forecast**
 - Maximum temperature:** The highest maximum temperature is expected to range between 26°C and 28°C in many parts of Kigali City, Bugesera District, many parts of Ngoma, Rwamagana, Kayonza, Gatsibo, Nyagatare Districts, and a small portion of Amayaga and Bugarama plain. The lowest maximum temperature is expected to range between 18 and 20°C in Nyabihu, Ngororero, Musanze, Rubavu, Rutsiro, and Nyamasheke, localized areas of Nyaruguru, Rusizi, Nyamasheke, Karongi and Burera Districts. The expected maximum temperature during December 2024 is in the range of LTM.
 - Minimum temperature:** Many parts of Nyamagabe, Nyabihu, Musanze, Eastern Rubavu, south-eastern Nyamasheke, Rusizi, north-western Ngororero and Nyaruguru Districts are expected to experience lowest minimum temperature ranging between 8°C and 10°C. Many parts of Kigali City, Bugesera, Kayonza, Kirehe, eastern Gatsibo, western Ngoma Districts and a small portion of Amayaga, are expected to experience high minimum temperature ranging between 14°C and 16°C. The expected minimum temperature during December 2024 is within the range of LTM.



4. **Forecast of wind speed:** Moderate to strong wind speed ranging between 4 and 10 m/s is expected countrywide in December 2024. Strong wind speed ranging between 8 and 10 m/s (orange colour) is expected in eastern parts of Kayonza and north-eastern of Kirehe Districts. Moderate to strong wind speed ranging between 6 and 8m/s (yellow colour) is expected in most parts of the country except many parts of Kigali city, Nyagatare, Rusizi, Nyamasheke, Karongi, Rutsiro, Ngororero, Gakenke and Rulindo Districts, northern parts of Muhanga and Kamonyi Districts, and northern and western Gicumbi which are expected to receive moderate wind speed ranging between 4 to 6m/s (green colour).

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

