



Kigali, 11th February 2024

Weather forecast valid between 11th and 20th February 2024

1. **Rainfall forecast:** During the second (2nd) dekad of February 2024, the amount of rainfall ranging between 20 and 160 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) over the whole country. (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between three (3) and seven (7) days. Predicted rains will be enhanced on the following dates 14th, 15th, 16th, 17th, and 18th over the south and western parts of the country while the remaining parts of the country the enhanced rainfall is expected on 14th, 16th, and 17th. The main factor influencing the rainfall is the Inter Tropical Convergence Zone (ITCZ) oscillating towards the southwestern parts of the country moderated by local factors.

Spatial distribution of rainfall: Rainfall ranging between 130 and 160 mm is the highest expected over areas in the neighborhood of the Nyungwe National Park in Eastern Rusizi, western Nyaruguru and southern Nyamagabe Districts. Rainfall ranging between 100 and 130 mm is expected in remaining parts of Rusizi, Nyaruguru, Nyamagabe, Rutsiro, western Ngororero and western Huye. The rainfall ranging between 80 and 100 mm is expected over Rubavu, Nyabihu, Musanze, Burera, remaining parts of Huye, western Gisagara, western Nyanza, western Ruhango eastern Ngororero, central and western Gakenke, northwestern Rulindo and western parts of Muhanga. The rainfall ranging between 20 and 40 mm is the lowest amount expected over eastern parts of Nyagatare, Gatsibo and Kayonza Districts. The central Nyagatare, western Gatsibo, eastern Kirehe, southeastern Bugesera, northern Rwamagana and southern Ngoma are expected to record rainfall ranging between 40 and 60 mm whereas remaining parts of the eastern province, Kigali City, Kamonyi, Eastern Ruhango, Muhanga, Nyanza, Gisagara, remaining parts of Gakenke and Rulindo and Gicumbi District are expected to receive rainfall ranging between 40 and 60 mm.

2. **Forecast of wind speed:** Moderate to strong wind speed ranging between 4 and 12 m/s is expected across the country. strong to very strong wind speed ranging between 8 and 12 m/s (orange colour) is expected in many parts of Musanze, Burera, Gisagara, Huye, Nyanza, parts of Muhanga, northwestern Kamonyi, and northwestern Gatsibo. Moderate wind speed ranging between 4 and 6 m/s (green colour) is expected in Kigali city, Kirehe, Kayonza, northern Nyagatare, Gakenke, Nyamasheke whereas the remaining parts of the country are expected to receive moderate to strong winds ranging between 6 and 8 m/s.
3. **Temperature forecast:** During the second (2nd) dekad of February 2024, the average maximum temperature is expected to range between 19°C and 29°C which is slightly below the range of LTM maximum temperature of second (2nd) dekad of February. Many parts of Kigali City, Bugarama Plains, Eastern parts of Nyagatare, Kamonyi, Ruhango, Nyanza, Gisagara and Bugesera Districts are expected to experience higher maximum temperature ranging between 27°C and 29°C. Northwestern parts of Nyabihu and Musanze districts in the Volcanoes National Park expected to experience lower maximum temperatures ranging between 19°C and 21°C.
4. **Expected Impacts:** Impacts associated with heavy and accumulated rains are likely in south western parts of the country where increased rainfall (ranging between 130 and 160 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 rains.

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

