



Kigali, 31st December 2023

Weather Forecast for the month of January 2024

1. Rainfall forecast

During the month of January 2024, the amount of rainfall ranging between 30 and 250 mm is expected across the country. The expected rainfall in the month of January 2024 will be in the range Long-Term Mean (LTM) in Kigali City, Eastern and Northern Provinces except in the parts of Ngoma, Kayonza, Rwamagana, Gicumbi, Burera, Rulindo, Musanze and the remaining parts of the country where rainfall above the range of LTM is expected. The first dekad of January are expected to record rainfall above the LTM in many parts of Western and Southern Provinces and rainfall in range of LTM in other parts of the country while second and third Dekads are expected to receive rainfall in the range of LTM. The main drivers are decreasing trend towards neutral phase in Indian Ocean Dipole (IOD) and persistence of El Nino conditions in Pacific Ocean.

The spatial distribution map shows expected higher amount of rainfall ranging between 200 and 250 mm over eastern parts of Rusizi and Nyamasheke and western parts of Nyamagabe and Nyaruguru Districts. Rainfall ranging between 150 and 200mm is expected in remaining parts of Nyamagabe and Nyaruguru, and Huye District, western parts of Gisagara, Nyanza and Ruhango Districts and remaining parts of western Province except eastern parts of Nyabihu, Ngororero and parts of Rubavu where rainfall ranging between 100 and 150 mm is expected. The same amount of rainfall is also expected in remaining parts of Southern Province, parts of Musanze, Burera, Rulindo, Gicumbi, Ngoma, Kayonza and Rwamagana Districts. Rainfall ranging between 30 and 50 mm is the lowest expected in January in eastern parts of Nyagatare, Gatsibo, Kayonza and southern parts of Kirehe Districts. Kigali City and the remaining parts of Eastern and Northern Province are expected to receive rainfall ranging between 50 and 100 mm.

2. Wind Speed forecast

The wind speed distribution indicated by the map for the month of January 2024 shows that moderate to strong wind speed ranging between 6m/s and 8m/s is expected across the country except isolated parts of Nyagatare and Nyamasheke Districts where moderate wind speed ranging between 4 and 6 m/s is expected.

3. Temperature forecast

During the month of January 2024, the mean maximum temperature is expected to range between 18°C and 30°C. Temperature ranging between 28°C and 30°C is the highest expected in the month of January 2024 over Many parts of Kigali City, Bugesera, Ngoma, eastern parts of Kamonyi, Ruhango, Nyanza and Gisagara Districts and southern parts of Rwamagana and Rusizi District. Lower maximum temperature is expected to range between 18°C and 20°C in the

northern parts of Nyabihu and Musanze Districts. The expected temperature will be within the range of Long-Term Mean (LTM) maximum temperature for the month of January 2024.

For more spatial details of rainfall, maximum temperature and wind speed distribution, please do refer to the following maps below.

