



Sierra Leone Government



Weather and Climate Change related issues

DEKADAL WEATHER FORECAST FOR SIERRA LEONE

Hydrometeorological Outlook

Period: 05 – 14 March 2026

1. General Atmospheric Conditions

During the dekadal period, mostly cloudy conditions during the night and early morning are expected across the country. Morning hours will experience fog and haze, while afternoons will become hotter with moderate south-westerly winds.

Thunderstorm activity is likely in the Southern and Eastern regions, particularly during afternoon hours. Northern districts will experience hotter and relatively drier conditions, though isolated thunderstorms may occur towards the end of the dekad.

2. Temperature Outlook

Region	Night Temperature	Morning Temperature	Afternoon Temperature
Western Area	Cool – Mild	Mild – Hot	Very Hot
Southern Region	Cool	Mild	Hot
Eastern Region	Cool	Mild	Hot
Northern Region	Cool	Hot	Very Hot

Trend:

- Nights remain cool due to cloud cover and fog.

- Rapid warming occurs by late morning.
- Very hot afternoon conditions likely in inland districts.

3. Rainfall Outlook

Rainfall during the dekadal period is expected to be light to moderate and mostly convective (thunderstorms).

Areas with Higher Rainfall Probability

- **Kenema**
- **Kailahun**
- **Kono**
- **Pujehun**
- **Moyamba**
- **Matru Jong**
- **Bo**

These areas may experience **scattered thunderstorms especially in the afternoons and evenings**.

Areas with Lower Rainfall Probability

- **Makeni**
- **Kabala**
- **Kambia**
- **Port Loko**
- **Falaba**

These districts will experience **mostly dry and hazy conditions**, with occasional isolated showers.

4. Wind Outlook

- Dominant winds will be **South-Westerly** across most regions.
- **Moderate wind speeds** expected during afternoon hours.

- **Stronger winds at night** in some coastal and inland areas.

5. Visibility Conditions

Reduced visibility may occur due to:

- **Morning Fog**
- **Afternoon Haze**
- **Dust-haze episodes in northern districts**

These conditions may affect **transportation and aviation operations**, particularly in the early morning.

6. Regional Highlights

Region	Weather Conditions	Temperature	Rainfall/Storm Probability	Other Conditions
Western Area (Freetown)	Mostly cloudy nights; Hazy afternoons	Very hot daytime temperatures	Low rainfall probability	—
Southern Region	Frequent afternoon thunderstorms	Hot afternoon temperatures	Moderate rainfall expected	—
Eastern Region	Thunderstorms likely	Cooler nights	High probability of thunderstorms	Fog at night; Moderate winds
Northern Region	Generally dry conditions	Hot temperatures	Isolated thunderstorms possible	Hazy conditions common

7. Sectoral Implications

Sector	Implications / Expected Conditions
Agriculture	Good conditions for land preparation and early planting in southern and eastern districts.
Health	Haze and heat stress possible in northern and western regions.
Marine and Coastal Activities	Moderate south-westerly winds may produce slightly rough coastal waters.
Aviation	Morning fog and afternoon haze may cause temporary visibility reduction.

Summary:

The dekadal period will generally feature cool cloudy nights, hazy mornings, and hot afternoons, with scattered thunderstorms mainly over southern and eastern Sierra Leone, while northern districts remain hotter and relatively drier.