

ASSELA WIND FARM

Powering a greener Ethiopia



The Assela Wind Farm is a flagship renewable energy project located approximately 150 km south of Addis Ababa, near the village of Iteya in Ethiopia's Oromia region and 15 km from the town Assela. Developed by Ethiopian Electric Power (EEP) with financial support from the Danish government. Its primary aim is to diversify Ethiopia's electricity mix, which currently relies heavily on hydropower.

Siemens Gamesa was awarded the turnkey EPC contract in January 2021. The first turbine began supplying power to the national grid in April 2025. Thereafter, 1–2 turbines will be commissioned each week, with all 29 turbines expected to be fully operational by the end of 2025.

Strategic Importance

Ethiopia's electricity supply is heavily dependent on hydropower, making it vulnerable to annual fluctuations in rainfall. Global climate models predict more variation in precipitation. Assela Wind Farm represents a critical step towards energy diversification, resilience and the country's goal of becoming a regional hub for renewable energy.

Location



The location was selected following an extensive feasibility study that began with the Solar and Wind Energy Resource Assessment (SWERA) and wind data collection since 2016. The site is situated on a high plateau near Iteya with convenient access to roads and transmission grid.

Project Timeline



Funded by



In partnership with



- ETHIOPIA Location:**
Near Iteya, Oromia Region,
- Ethiopia Owner:** Ethiopian Electric Power (EEP)
- Contractor:**
Siemens Gamesa
- Financial Partner:**
Danish Government
- Total Investment:**
\$186 million | 50% of the financing is a loan provided by Danske Bank and 50% is covered by a grant from the Danida Sustainable Infrastructure Fund (DSIF)
- Capacity:** 100 MW
Annual Generation:
~300 GWh/year

Global Gateway in Ethiopia

The European Union's Global Gateway is the EU's flagship investment strategy to boost smart, clean, and secure connections in partner countries. In Ethiopia, Global Gateway translates into tangible partnerships focused on sustainable energy, digital transformation, health systems, and climate-resilient agriculture. It builds on over 50 years of EU-Ethiopia cooperation and aims to create long-term opportunities for people and businesses by mobilising quality infrastructure and investments that support Ethiopia's green and inclusive development path.