

PROJECT DESCRIPTION

The location of Edincik II Wind Power Plant (WPP) extension project is approximately 13 km west of Bandirma District on the southern shore of Turkey's Sea of Marmara.

The Edincik II WPP will consist of 11x2.4 MW wind turbines at a capacity to produce 86 GWh/year of electricity based on a probability level of 75%, including the losses. After the extension, total capacity of Edincik I-II WPP will reach to 56.4 MW.

The electricity generation from a renewable source will replace the electricity from the national grid and enable reduction of 45,754 tonnes of CO₂ equivalent gases per year, as calculated for the base case scenario of electricity generation.

CARBON FINANCE

Edincik II Wind Power Plant (WPP) project is being planned as a Gold Standard GHG emission reduction project.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- 🌀 Landscape Impact Assessment
- 🌀 Bird Species
- 🌀 Noise
- 🌀 Potential pollution/contaminant emissions during construction

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- 🌀 Supervision of construction activities by environmental, health and safety experts,
- 🌀 Photo-impact simulation required to allow an adequate level of awareness of stakeholders on visual impact of the project,
- 🌀 Seasonal bird migration monitoring to control the adverse impact of the plant on bird species,
- 🌀 Noise monitoring campaign is expected during operation to assure an acceptable noise level around the close vicinity.

GENERAL INFORMATION	
Project Location	Bandirma District, Balikesir Province
Technology	Wind Power Plant
Plant Capacity	26.4 MWm
Annual Energy Production	86 GWh/year
Annual CO₂ Reduction	45,754 tCO ₂ /year
TIME SCHEDULE	
Start of Construction	November 2014
Expected Commercial Operation	May 2015
FINANCIAL PARAMETERS	
Total Project Cost	EUR 30,500,000
MidSEFF Loan	EUR 5,000,000
Payback Time	5.5 years
Internal Rate of Return	17.5%

Developed by



European Bank
for Reconstruction and Development

Supported by

