

Developed by



European Bank  
for Reconstruction and Development

Supported by



## PROJECT DESCRIPTION

The location of Amasya Wind Power Plant (WPP) project is Amasya Province, Merkez District, Halifeli-Beydağı Township.

The Amasya WPP will consist of 14x3.0 MWe wind turbines at a total capacity to produce 125,000,000 GWh/year of electricity based on a probability level of 75%, including the losses.

The electricity generation from a renewable source will replace the electricity from the national grid and enable reduction of 74,500 tonnes of CO<sub>2</sub> equivalent gases per year, as calculated for the base case scenario of electricity generation.

## CARBON FINANCE

Amasya 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;
- Community Health and Safety.

## 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 before the operation to assure an acceptable noise level around the close vicinity;
- Preparation of a Traffic Management Plan.

### GENERAL INFORMATION

|  |                                  |
|--|----------------------------------|
| <b>Project Location</b>                | Merkez District, Amasya Province |
| <b>Technology</b>                      | Wind Power Plant                 |
| <b>Plant Capacity</b>                  | 42 MWe                           |
| <b>Annual Energy Production</b>        | 125 GWh/year                     |
| <b>Annual CO<sub>2</sub> Reduction</b> | 74,500 tCO <sub>2</sub> /year    |

### TIME SCHEDULE

|                                      |           |
|--------------------------------------|-----------|
| <b>Start of Construction</b>         | July 2015 |
| <b>Expected Commercial Operation</b> | July 2016 |

### FINANCIAL PARAMETERS

|                                |                |
|--------------------------------|----------------|
| <b>Total Project Cost</b>      | EUR 67,500,000 |
| <b>MidSEFF Loan</b>            | EUR 45,000,000 |
| <b>Payback Time</b>            | 10.71 years    |
| <b>Internal Rate of Return</b> | 8.61%          |