Incesu Wind Power Plant

Developed by

European Bank for Reconstruction and Development

Supported by

European Investment Bank

PROJECT DESCRIPTION

Incesu Wind Power Plant consists of 7 x 2.0 MWe turbines with a rotor diameter of 100 m and a hub height of 80 m. The Incesu WPP will be connected to the national electricity grid through a existing 13 km length energy transmission line. The plant expected to produce 42 GWh/year (P75) equivalent to cover the demand for over 12 thousand households. The energy produced will allow saving over 25,032 tCO_2/year.

CARBON FINANCE

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

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Potential pollution/contaminant emissions during construction activities;
- Bird species;
- Presence of other WPPs in the surroundings (Cumulative Impacts);
- Noise;
- Community Health and Safety

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Supervision of the construction activities by environmental, social and health & safety experts;
- Seasonal bird migration monitoring to control the potential adverse impacts on bird species;
- Noise monitoring before the operation to assure a noise acceptable level for the close settlements;
- Photo-impact simulation required to allow an adequate level of awareness of stakeholders about the visual impact of the project considering also other project in the surroundings;
- Stakeholder Engagement Plan implementation to involve and inform the stakeholders and to reduce the risk of conflicts with ensuring good public relations;
- Preparation of a Traffic Management Plan.

GENERAL INFORMATION	
Project Location	Dinar District, Afyonkarahisar Province
Technology	Wind Power Plant
Plant Capacity	14 MWe
Annual Energy Production	42 GWh/year
Annual CO_2 Reduction	25,032 tCO_2/year
TIME SCHEDULE	
Start of Construction	June 2016
Expected Commercial Operation	December 2016
FINANCIAL PARAMETERS	
Total Project Cost	EUR 17,900,000
MidSEFF Loan	EUR 13,500,000
Payback Time	11.08 years
Internal Rate of Return	7.72 %