Ova Wind Power Plant

Developed by

European Bank for Reconstruction and Development

Supported by

European Investment Bank

PROJECT DESCRIPTION

Ova Wind Power Plant consists of 9 x 2.0 MW turbines with a rotor diameter of 97 m and a hub height of 78 m. The Ova Wind Farm will be connected to the national electricity grid through a 21.2 km length transmission line, which is part of the project. The plant will have a capacity factor of 38 % and is expected to produce 43.634 GWh/y equivalent to cover the demand for over 20 thousand households. The energy produced will allow saving over 24,871 tCO_2/year.

CARBON FINANCE

Ova Wind Power Plant (WPP) project selected Gold Standard (GS) for carbon certification and the process has already been initiated. As per the GS procedures, the local stakeholder consultation (LSC) was organized and the project is listed in the GS registry. DOE has been selected and validation of the project is already started.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Potential pollution/contaminant emissions during construction activities
- Bird species
- Noise
- Use of forestry area
- ETL lenght 21.2 km

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Supervision of the construction activities by environmental, social and health & safety expert
- Seasonal bird migration monitoring to control the potential adverse impacts on bird species;
- Noise monitoring during operation to assure a noise acceptable level for the close settlements;
- The Sponsor is waiting for forestry permit and special agricultural permit
- 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
- A Cumulative Impact Assessment is required including ETL construction auxiliary works, with particular reference to bird life and landscape.

GENERAL INFORMATION	
Project Location	Aydın Province
Technology	Wind Power Plant
Plant Capacity	18 MWm
Annual Energy Production	43.634 GWh/year
Annual CO_2 Reduction	24,871 tCO_2/year
TIME SCHEDULE	
Start of Construction	September 2014
Expected Commercial Operation	June 2015
FINANCIAL PARAMETERS	
Total Project Cost	EUR 20,400,000
MidSEFF Loan	EUR 11,900,000
Payback Time	7.52 years
Internal Rate of Return	12.4 %