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PROJECT DESCRIPTION

Sadilli Wind Power Plant consists of 14 x 2.75 MWe turbines with a rotor diameter of 100 m and a hub height of 85 m. The Sadilli Wind Farm will be connected to the national electricity grid through a 28.3 km length transmission line, which is part of the project. The plant will have a capacity factor of 35.40 % and is expected to produce 119.4 GWh/year equivalent to cover the demand for over 34 thousand households. The energy produced will allow saving over 71,377 tCO₂/year.

CARBON FINANCE

Sadilli Wind Power Plant (WPP) project is being planned as a Gold Standard GHG emission reduction project and the project is currently in process of carbon certification.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Bird species;
- Stakeholder engagement;
- Need for the evidence of forestry permits and EIA positive decision for ETL obtained;
- Decommissioning actions;
- Cumulative impacts on landscape and bird life due to power connection line;

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Seasonal bird migration monitoring to control the potential adverse impacts on bird species;
- Stakeholder Engagement Plan implementation to involve and inform the stakeholders and to reduce the risk of conflicts with ensuring good public relations;
- Assure the reclamation and reinstatement of the land temporary used;
- Overall impact with power transmission line construction should be duly assessed.

GENERAL INFORMATION

Project Location	Çanakkale Province
Technology	Wind Power Plant
Plant Capacity	38.5 MWm
Annual Energy Production	119.4 GWh/year
Annual CO₂ Reduction	71,377 tCO ₂ /year

TIME SCHEDULE

Start of Construction	February 2012
Expected Commercial Operation	March 2014

FINANCIAL PARAMETERS

Total Project Cost	EUR 44,971,261
MidSEFF Loan	EUR 8,150,000
Payback Time	6.5years
Internal Rate of Return	17.1 %