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PROJECT DESCRIPTION

Salman Wind Power Plant consists of 10 x 2.75 MWe turbines with a rotor diameter of 100 m and a hub height of 85 m. The Salman Wind Farm will be connected to the national electricity grid through a 24 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 73.40 GWh/year equivalent to cover the demand for over 22 thousand households. The energy produced will allow saving over 44,040 tCO₂/year.

CARBON FINANCE

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

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Potential pollution/contaminant emissions during construction activities ;
- Bird species;
- Stakeholder engagement;
- Community/workers health and safety both during construction and operation phases;
- Land acquisition.

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Supervision of the construction activities by environmental, social and health & safety;
- Seasonal bird migration monitoring to control the potential adverse impacts on bird species;
- New stakeholder involvement is required to involve and inform the stakeholders and to reduce the risk of conflicts with ensuring good public relations;
- Study, identification and implementation of mitigation measures to minimize community/workers health;
- In case of land acquisition from private owners a mutual agreement procedure should always be preferred.

GENERAL INFORMATION

Project Location	Izmir Province
Technology	Wind Power Plant
Plant Capacity	27.5 MWm
Annual Energy Production	73.40 GWh/year
Annual CO ₂ Reduction	44,040 tCO ₂ /year

TIME SCHEDULE

Start of Construction	April 2013
Expected Commercial Operation	December 2013

FINANCIAL PARAMETERS

Total Project Cost	EUR 32,858,549
MidSEFF Loan	EUR 5,900,000
Payback Time	6.17 years
Internal Rate of Return	16.78%