

PROJECT DESCRIPTION

Alibey Adası Wind Power Plant consists of 5 x 3.6 MWe turbines and 4 x 3.0 MWe turbines with a rotor diameter of 116.8 m and a hub height of 91 m. The Alibey Adası WPP will be connected to the national electricity grid with a new 1 km length energy transmission line. The plant expected to produce 111.6 GWh/year of energy (P75) equivalent. The energy produced will allow saving over 26,459 tCO₂/year.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Landscape Impact Assessment;
- Flora & Fauna species (bird species in particular);
- Cumulative impacts (presence of other industrial facilities during construction and operation phases);
- Noise Impact;
- Potential pollution/contaminant emissions during construction and operation;
- Community/Worker Health and Safety.

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Supervision of the construction activities by environmental, social and health & safety experts;
- Seasonal flora & fauna monitoring (bird monitoring in particular) to control the potential adverse impacts on flora & fauna species;
- Preparation of Cumulative Impact Assessment Report;
- Noise monitoring during 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;
- Stakeholder Engagement Plan implementation to involve and inform the stakeholders and to reduce the risk of conflicts with ensuring good public relations.

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GENERAL INFORMATION

Project Location	Bergama District, İzmir Province and Burhaniye District, Balıkesir Province
Technology	Wind Power Plant
Plant Capacity	30 MWe
Annual Energy Production	46.5 GWh/year
Annual CO₂ Reduction	26,459 tCO ₂ /year

TIME SCHEDULE

Start of Construction	September 2017
Expected Commercial Operation	November 2018

FINANCIAL PARAMETERS

Total Project Cost	EUR 32,127,000
MidSEFF Loan	EUR 7,600,000
Payback Time	6.23 yıl
Internal Rate of Return	17.08 %