

PROJECT DESCRIPTION

The location of the proposed wind power plant is at the Aegean Region of İzmir Province within the boundaries of Aliğa Borough, Bozköy Village location.

Bozyaka WPP Project is an extension of 4.8 MW (2 turbines) to an operating project of 12.5 MW. The current WPP consist of 5 units of Nordex N100/2500 kW turbines.

CARBON FINANCE

Bozyaka 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

- 🌍 Landscape Impact Assessment
- 🌍 Land acquisition
- 🌍 Noise
- 🌍 Need for the document of Final Expropriation Permits for privately owned lands
- 🌍 Final Forest Permit
- 🌍 Bird Species
- 🌍 Potential pollution/contaminant emissions during construction
- 🌍 Community/workers health and safety both during construction and operation phases
- 🌍 Stakeholder Engagement

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- 🌍 In case of land acquisition from private owners a mutual agreement procedure should always be preferred
- 🌍 Noise modelling study should be revised with respect to the new turbine configuration
- 🌍 Noise monitoring campaign at the nearest receptor both for the construction and operation phases is suggested
- 🌍 Seasonal bird migration monitoring to control the adverse impact of the plant on bird species,
- 🌍 Stakeholder Meeting is requested to be implemented for additional turbines
- 🌍 Need for an updated Emergency Response Plan
- 🌍 A cumulative impact assessment with particular reference to bird life and landscape

GENERAL INFORMATION

Project Location	Aliğa District, İzmir Province
Technology	Wind Power Plant
Plant Capacity	4,8 MWm
Annual Energy Production	14,597 MWh/year
Annual CO₂ Reduction	8,685 tCO ₂ /year

TIME SCHEDULE

Start of Construction	September 2014
Expected Commercial Operation	June 2015

FINANCIAL PARAMETERS

Total Project Cost	EUR 7,315,777
MidSEFF Loan	EUR 5,000,000
Payback Time	6.94 years
Internal Rate of Return	13,78%

Developed by



European Bank
for Reconstruction and Development

Supported by

