

# CDM WIND POWER PROJECT – DIAOBINGSHAN, CHINA

## Objective: Electricity Generation by using renewable wind resources

The objective of the Diaobingshan 49.5MW Wind Power Project is to generate renewable electricity. The project will reduce the emission of greenhouse gasses and other air pollutants.

## Background:

Power demand in China exceeds supply due to a lack of an adequate power generation infrastructure. This greatly restricts China's economic and social development. Existing power generation relies on old fossil-fired power plants which cause environmental problems, such as air pollution.

## Project description

- > The Diaobingshan Wind Power Project sells the generated electricity to the North East Power Grid (NEPG).
- > The project is located at Liaoning Province, China. 66 wind turbines, each with a rated capacity of 750kW, are installed and provide a total capacity of 49.5MW.
- > The annual electricity supplied by the project is approximately 93,000MWh. The electricity generated from wind resources will substitute the electricity from fossil-fuel power stations and as a result CO<sub>2</sub> emissions will be avoided.



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**Benefit: Avoidance of about 107,000 t CO<sub>2</sub>e per year**

- > The installation of wind power reduces the emission of greenhouse gases (primarily CO<sub>2</sub>) and other air pollutants that would result from fossil-fuel power generation.
- > Promoting the environmental benefits of the wind power industry in Northeast China.
- > Employment opportunities are created both during construction and operation phases.
- > The project supplies approximately 93,000 MWh of electricity per year and reduces greenhouse gas emissions by an annual amount of about 107,000 t CO<sub>2</sub>e. The total emission reduction amounts to approximately 750,000 tonnes CO<sub>2</sub>e in the crediting period.



<b>Project title</b>	<b>Diaobingshan New-built 49.5 MW Wind Power Station Project</b>
Project type	Wind power
Host country	China
Project status	Registered as CDM project activity at the UNFCCC since 7 February 2009
Crediting period:	7 years, renewable Start: 7 February 2009
Emission reduction start:	Autumn 2008
Average Emissions reductions p.a.:	107,000 t CO <sub>2</sub> e