



# Retexo-RISP-Marketing

## Importan Factors when planning a Wind Farm

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### Site Location

#### Description of location

The location under consideration should first of all be wind - intensive during the whole year. Usually this is guaranteed on coastal sites, on open land without forests or high hills within a range of about 15 km and, of course, on hill tops. Buildings, **particulary housing, should not be nearer than 2 km to the windfarm.**

Please provide details of your proposed site:

#### Wind intensity

The average wind intensity per annum should be around 6.0 m/s (at hubheight), or better. If wind intensity information is not available throughout the year, we are prepared to arrange Ar the necessary measurement, based on your order. Please provide details:

#### Required site area

For a windfarm of 20 turbines, an area of about 1.0 km<sup>2</sup> is needed.

#### Grid connection

Overhead, or buried cables, over a great distance, are an expensive undertaking. Please check and advise the distance to the nearest electricity connection point (power or sub-station):

#### The Electricity Corporation, your future customer

Before you begin detailed planning, contact the local Electricity Supply Corporation (EC) and find out whether they are willing to buy your generated power. If the answer is in the affirmative, ask whether the high tension cable connection point (power or sub-station) is able to carry the estimated input, for example 750 kW per turbine. If this is not the case, you will have to negotiate the cost of upgrading with the EC. Please provide details:

#### Infrastructure

It is necessary to consider that heavy loads have to be moved to the proposed windfarm area. The road access must be prepared to carry an axle load of approximately 12 tonnes. Please provide details:

**Your  
name:**

**Company:**

**Adress:**

**Zip:**

**City:**

**Country:**

**Phone:**

**Fax:**

**E-Mail:**

**URL:**

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