Design and Access Statement

For a

Temporary Meteorological Mast

at

R & T Ensor (Farmers) Ltd, Desford, Leicestershire

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1 DESIGN

1.1 Introduction

Sea & Land Power and Energy (SLP Energy) is applying for planning permission to erect a temporary 60 metre meteorological mast on land at the R & T Ensor Farm, Desford, Leicestershire. The aim of this mast is to measure the wind resource over the site for a period of 24 months.

This Design and Access Statement has been prepared to support the planning application, and must be read in conjunction with it.

1.2 Use

The temporary meteorological mast shall be used to measure the wind speed over the Desford area for a period of 24 months. The reason for this assessment is to determine whether the general area has a suitable wind resource for a future wind energy development.

1.3 Amount

SLP Energy is applying to install one meteorological mast on land at the R & T Ensor Farm, Desford. The height of 60 metres is required so that the wind resource is measured at a similar height to the statue of any future wind turbine generators.

1.4 Layout

The metrological mast will be located on agricultural land located between the villages of Desford, Peckleton, Kirkby Mallory and Newbold Verdon. This location was chosen as it is located away from neighbouring dwellings and is within an open landscape which will allow accurate measurement of the wind resource flowing over the site. This location was also chosen as it has adequate on site access tracks from land privately owned by the farm. This enables the mast to be delivered to the desired location without the need to install any new tracks.

1.5 Scale

The meteorological mast will be 60 metres in height and will be supported upright by guy wires which will extend 42 metres around the mast. The met mast will have 4 sets of anemometers located at 30m, 40m, 50m and 60m to measure the wind at the various heights.

1.6 Landscaping

There will be no new access tracks constructed for this development so this section is not applicable.

1.7 Appearance

The meteorological mast will be 60 metres in height and will be supported upright by guy wires which will extend 42 metres around the mast.

The style of met mast has been chosen to be suitable for its requirement: to measure the wind resource flowing over the area. As explained in 1.3, the height of 60 metres is required to acquire data readings at an appropriate height.

It is not considered that long-term appearance is significant, as this application is for a period not exceeding 24 months.

Figure 1: The diagram below shows what the mast will look like. The map in appendix 1 shows the proposed location of the met mast. Detailed scale maps have also been submitted along with the planning application.

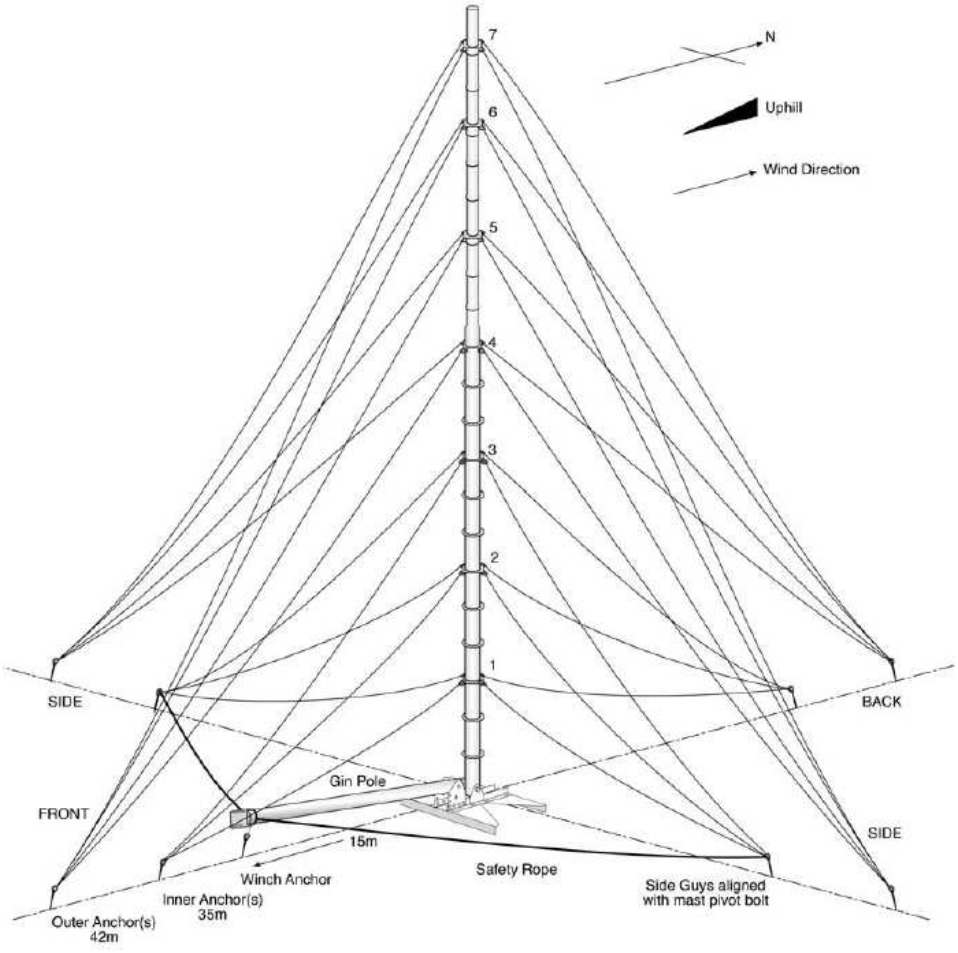


Figure 1 Mast Layout

2 ACCESS

2.1 Movement to the site

The mast will be delivered to the site by appropriate transport, i.e. a 4x4 pickup truck with associated trailer. The truck will use the local road network system and will access the site via an access track located off the Newbold Road. The truck will then use the current onsite tracks to the proposed met mast location. The truck and trailer will be no larger than any agricultural machinery.

2.2 Public use of the site

The landholding is privately owned and as such public access is restricted. There are two public footpaths running across the agricultural land within 150 metres of the proposed met mast location (see appendix 1 below), but neither will be crossed by either the mast or its guy wires.

APPENDIX 1

Appendix 1 – Approximate location of the met mast at Desford.



Key:

Approximate location of proposed met mast at Desford
(see detailed scaled map attached to planning application)