

## Connection of generation plant to distribution network

It is possible to connect almost any generation plant to the distribution network and in order for the connection to meet the requirements of a new customer and the existing customers it is important to ensure the new connection is properly designed. In order to do this there is a need for information to be exchanged between you as the generator and the local Distribution Network Operator (DNO). The Data Registration Code of the Distribution Code sets out the obligations on the generator and DNO to exchange data as part of the design process and lists the data items that may need to be exchanged. The purpose of this application form is to simplify and clarify this data exchange process.

If the generation plant that you are applying to connect is less than 16A per phase, you will probably be able to connect it using the far simpler connection process for generation plant complying with Engineering Recommendation G83/1. This Application Form is for all other generators and is in two parts.

### Part 1

This part collates the initial data that the DNO requires to assess the connection application and in some cases this information may be sufficient for the DNO to complete the connection design and make a connection offer. In this case there will be no need for you to provide additional information. However, for some generating plant connection applications, depending on the size of the generating plant and the proposed point of connection, this initial information may not be sufficient for the DNO to complete the connection design and make a connection offer. The DNO will advise you if you need to provide further information so that the connection design can be completed when Part 1 of the Application Form has been assessed by the DNO.

### Part 2

If the DNO requires information in addition to that provided on Part 1 of the application form, the DNO will request that Part 2 of the application form is completed. Generally you will need to complete all of Part 2 of the application form appropriate to the type of generator although the DNO may indicate if not all of this information is required.

In some cases the DNO will require further information which is not included in either part of the application form to complete the connection design. The DNO will advise you if such information is required.

There is the option for you to complete Part 1 and 2 of the application form and return both of these as part of the initial data exchange. This will speed up the DNO design process as there is unlikely to be a need for additional information to be provided. However this may result in you providing information that is not required in order for the DNO to design the connection.

Please send your completed form to:

**Electricity Connections  
Electricity North West  
Frederick Road  
Salford  
M6 6QH**

# Guidance on completing the application form

The following section provides an overview of the information required to complete each part of the application form.

## Part 1

This part of the application form is in two sections. Part 1a enables you to provide:

- Contact details for you and your consultant (if you have one)
- A budget quotation will be produced via a desktop study only, using indicative costs. It cannot be accepted and will not involve a site visit. If you choose a full quotation we will produce a detailed design and issue you with an accurate quotation. Your full quotation has a validity period of 3 months, if the quotation is not accepted within the 3 months period then a further quotation will have to be applied for.
- The location of your generation plant, or power station. The term power station is used in the application form so that it is consistent with the terms used in the Distribution Code
- Details of the import and export requirements for your site. It is important to make sure that you consider the import requirements for any load that you have on your site in addition to the export from the generation plant
- Information about the fault level contribution from the generation plant at the site boundary, although you do not need to provide this information here if more detailed fault level information is provided in Part 1b of the application form.

Part 1b of the application form enables you to provide more detailed information on each of the generators you are applying to connect. Slightly more information is required if the connection is likely to be at high voltage rather than at low voltage. If the generation plant you are looking to connect is larger than 150kW you should assume that your site may be connected at high voltage and provide this additional information.

If there are any items on the application form that you are unsure about, it would be worth contacting the company you are arranging to buy your generation plant from as they should be able to provide some of the more technical information. If you are unable to provide some of the technical details for example if you have not yet decided who to buy your generation plant from, you can provide estimated data provided that you clearly indicate on the application form which data is estimated. You will need to confirm this data as soon as possible and always before the generator is commissioned.

## Part 2

This part of the application form enables you to provide detailed technical information about the generation plant you are applying to connect. It is split into five sections. The first four sections relate to particular types of generating plant designs. You only need to complete the section relating to the type of generating plant that you are applying to connect i.e. Part 2a, 2b, 2c or 2d. Use one form for each type of generating plant. The fifth section enables you to provide information about any transformers that you plan to use.

As when completing Part 1, if you are unable to provide some of the technical details, if for example you have not yet decided who to buy your generation plant from, you can provide estimated data provided that you clearly indicate on the application form which data is estimated. You will need to confirm this data as soon as possible and always before the generator is commissioned.