



**POINT OF CONNECTION
FOR INDEPENDENT
PROVIDERS
APPLICATION FORM**

Please submit your completed application form to:

**cinc.connections@northernpowergrid.com or post to:
Northern Powergrid, Connections Input Services
98 Aketon Road, Castleford, West Yorkshire, WF10 5DS**

If you need any help to complete this form please contact us

cinc.connections@northernpowergrid.com

0113 241 5245

Opening hours:
Monday - Friday

8:45am -4:45pm

SECTION 1

YOUR DETAILS

* Signifies a mandatory field

Name *

Address *

Email *

Phone *

Postcode*

OWNER/OCCUPIER DETAILS If you are acting as an agent (we may require a letter of authority)

Name *

Address *

Email *

Phone *

Postcode*

SECTION 2

YOUR CONNECTION

2a. How do you want us to refer to your project? *E.g. Project 123*

2b. Site Address* - *If different to above*

Postcode*

2c. How many connections do you plan to install?

2d. What is the total load required for your point of connection? *

 kVA

2e. Please provide details of which company will be adopting the electrical network after installation

2f. Information of planning permission. Please provide details of your planning permission relating to your connection*

Full planning permission received* **No** **Yes**

Outline planning permission received* **No** **Yes**

Planning application not required* **No** **Yes**

Planning application not submitted to planning authority* **No** **Yes**

Planning application submitted to planning authority* **No** **Yes**

SECTION 3
TEMPORARY CONNECTION

If you need a temporary connection to power site cabins, tools, or temporary homes please complete this section of the application form. A temporary connection associated with a Point of Connection will be included within one quotation unless you have requested otherwise. If you require a separate quotation for your temporary supply, please submit a separate application form.

If you require an early build connection, please confirm this in part 3b. This will be processed separately to any associated Point of Connection request.

3a. Do you need a temporary connection? *If this request is associated with a PoC this will be provided within your PoC quotation.*

 No **Yes - Temporary load**

3b. What is your temporary connection for?

3c. Type of supply - Is your temporary supply for single phase or three phase?

3d. When would you ideally like this connection to be made? *

3e. When do you anticipate completing the works on-site? *

3f. Please provide details of which company will be adopting the electrical network after installation

The plan you include with your application must clearly indicate your site boundary and location of your temporary connection, it should be on an ordnance survey or land registry background. Failure to provide a site location plan and builder/developers plans may result in a delay to your quotation.



SECTION 4

WHAT ELECTRICAL EQUIPMENT ARE YOU CONNECTING?

4a. Will you be installing any electric heating - including electric showers, water heaters and electric heaters?

Yes **No - Go to question 4b**

Please provide the total load for each premises for any electrical heating you plan on installing.

Type	No. of	Load (kW)
Electric shower	<input type="text"/>	<input type="text"/> kW
Waterheaters	<input type="text"/>	<input type="text"/> kW
Storage heaters	<input type="text"/>	<input type="text"/> kW

4b. Will you be installing any ground source heat pumps - including those used for underfloor heating?

If the equipment your installer is using does not comply with BS-EN 61000/3/2 and 61000/3/3 they will need to provide us with the harmonic information for the ground source heat pump. Failure to provide this information may result in delay to your quotation.

Yes **No - Go to question 4c**

How many pumps do you plan to install?

Details

• Pump 1

Phase	Starting Current (amps)	Rating (kW)	Make and Model
<input type="checkbox"/> Single <input type="checkbox"/> Three Phase	<input type="text"/>	<input type="text"/>	<input type="text"/>

Does the ground source heat pump comply with BS-EN 61000/3/2 and BS-EN61000/3/3? **Yes** **No**

• Pump 2

Phase	Starting Current (amps)	Rating (kW)	Make and Model
<input type="checkbox"/> Single <input type="checkbox"/> Three Phase	<input type="text"/>	<input type="text"/>	<input type="text"/>

Does the ground source heat pump comply with BS-EN 61000/3/2 and BS-EN61000/3/3? **Yes** **No**

• Pump 3

Phase	Starting Current (amps)	Rating (kW)	Make and Model
<input type="checkbox"/> Single <input type="checkbox"/> Three Phase	<input type="text"/>	<input type="text"/>	<input type="text"/>

Does the ground source heat pump comply with BS-EN 61000/3/2 and BS-EN61000/3/3? **Yes** **No**

4c. Will you be installing any air source heat pumps - including those used for underfloor heating or warm air systems?

If the equipment your installer is using does not comply with BS-EN 61000/3/2 and 61000/3/3 they will need to provide us with the harmonic information for the air source heat pump. Failure to provide this information may result in delay to your quotation.

Yes

 No - Go to question 4d

How many pumps do you plan to install?

Details

• **Pump 1**

Phase	Starting Current (amps)	Rating (kW)	Make and Model
<input type="checkbox"/> Single <input type="checkbox"/> Three Phase	<input type="text"/>	<input type="text"/>	<input type="text"/>

Does the air source heat pump comply with BS-EN 61000/3/2 and BS-EN61000/3/3? **Yes** **No**

• **Pump 2**

Phase	Starting Current (amps)	Rating (kW)	Make and Model
<input type="checkbox"/> Single <input type="checkbox"/> Three Phase	<input type="text"/>	<input type="text"/>	<input type="text"/>

Does the air source heat pump comply with BS-EN 61000/3/2 and BS-EN61000/3/3? **Yes** **No**

• **Pump 3**

Phase	Starting Current (amps)	Rating (kW)	Make and Model
<input type="checkbox"/> Single <input type="checkbox"/> Three Phase	<input type="text"/>	<input type="text"/>	<input type="text"/>

Does the air source heat pump comply with BS-EN 61000/3/2 and BS-EN61000/3/3? **Yes** **No**

4d. Will you be installing any motors - including those used for compressor driven air conditioners?

Examples of equipment with motors include: swimming pools, lifts, industrial fans, blowers and pumps, machine tools and large power tools. We do not need to know about household appliances like a fridge freezer, washing machine and tumble dryer.

Yes **No - Go to question 4e**

How many motors do you want to install?

Details - Tell us about the first two connections only

• **Motor 1**

Phase

Single **ThreePhase** **SoftStart** **Directonline** **Star Delta**

Starting Current (amps)

Rating (kW)

Does this motor start more than once an hour?

Yes

• **Motor 2**

Phase

Single **ThreePhase** **SoftStart** **Directonline** **Star Delta**

Starting Current (amps)

Rating (kW)

Does this motor start more than once an hour?

Yes

4e. Are you connecting any motors to your temporary supply?

Yes **No - Go to question 4f**

How many motors do you want to connect to your temporary supply?

Details - Tell us about the largest two connections only

• **Motor 1**

Phase

Single **ThreePhase** **SoftStart** **Directonline** **Star Delta**

Starting Current (amps)

Rating (kW)

Does this motor start more than once an hour?

Yes

• **Motor 2**

Phase

Single

ThreePhase

Type

SoftStart

Direct online

Star Delta

Starting Current (amps)

Rating (kW)

Does this motor start more than once an hour?

Yes

4f. Will you be installing any welders?

Types of welders include: MIG, TIG, plasma cutters, stud welders, machine tools and large power tools.

Yes **No - Go to question 4g**

How many welders do you plan to install?

Details

• Welder 1

Input Voltage (volts)	Rating (kW)	Welds per minute	Phase	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Single	<input type="checkbox"/> Three Phase

• Welder 2

Input Voltage (volts)	Rating (kW)	Welds per minute	Phase	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Single	<input type="checkbox"/> Three Phase

• Welder 3

Input Voltage (volts)	Rating (kW)	Welds per minute	Phase	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Single	<input type="checkbox"/> Three Phase

4g. Will you be installing any equipment causing distortion?

Examples of equipment which could cause distortion include: uninterrupted power supplies, computer power units, discharge lighting, battery chargers, DC motor control.

Yes **No - Go to Section 5 - 'Existing Generation'**

Please provide details of the equipment that will affect the harmonics of your supply

Please note your equipment must be G5/5 compliant.

Please include any plans or documentation with this form.

4h. Please provide a summary of any unspecified or unusual electrical equipment you're intending to install?

Please tell us about the generator sets that you intend to install. If you are installing multiple generator sets which differ in type or size, simply duplicate this page and provide details per generator set.

6f. How many generator sets are you installing?

Are all the generator sets the same size?

Yes

No - provide details per generator set

6g. Which type of generator set are you planning to install?

Generation type

Generation set

e.g. Photovoltaic (PV) panels. | Hydro - including water wheels, underground hydroelectric plant. | Wind turbines - including small garden turbines. | Biomass - including wood, slurry and biofuel burners. | Combined Heat & Power (CHP) - including gas turbines.

6h. What type of generation set will this be?

Synchronous generator

Series converter / inverter connected generator

Fixed speed induction generator

Other / I don't know *please specify

Double fed induction generator

Please complete one of the following:

What is the sub-transient (X''_d) - unsaturated / saturated? (Per unit)

What is the maximum fault level contribution? (MVA)

Generation set Active Power capability

Rated terminal voltage (generator) (volts)

Rated terminal current (generator) (amps)

Generation set registered capacity (net) (MW/kW)

What will be the maximum active power export? (MW\kW)

Generation set apparent power rating (to be used as a base for generator parameters) (MVA)

Generation set rated active power (gross at generator terminals) (MW\kW)

Generation set Reactive Power capability at rated Active Power (gross, at generator terminals).

Max reactive power export (lagging) (MVAr)

Max reactive power import (leading) (MVAr)

6i. What security is required for your connection?

<input type="checkbox"/> Single circuit connection	<input type="checkbox"/> Manually switched alternative connection
<input type="checkbox"/> Automatically switched alternative connection	<input type="checkbox"/> Firm connection (secure for first circuit outage)

6j. Will the generation plant supply the electricity to on-site premises?

Yes **No**

6k. What will be the maximum active power import (kW)?

6l. Please provide us with your on-site operational diagrams.

6m. Are you installing an interface transformer?

Yes **No**

If yes, for this transformer, what will be the:

Rated (apparent) power (MVA)	<input type="text"/>	Maximum ratio tap (%)	<input type="text"/>
Rated voltage ratio (on principal tap) (kV/kV)	<input type="text"/>	Minimum ratio tap (%)	<input type="text"/>
Positive sequence resistance (per unit)	<input type="text"/>	Method of voltage control	<input type="text"/>
Positive sequence reactants at principal tap (per unit)	<input type="text"/>		

6n. Do you require an export Meter Point Administration Number (MPAN)?

Yes **No** **Don't know**

6o. Do you require an import MPAN?

Yes **No** **Don't know**

SECTION 7
SITE PLANS

The plan you include must clearly indicate your site boundary and proposed meter position, it should be on an ordnance survey or land registry background. Failure to provide a site location plan and builder/developers plans may result in a delay to your quotation.



SECTION 8

YOUR CONNECTION DATE

8a. When would you ideally like this connection to be made? *

8b. When do you anticipate completing the works on-site? *

All works shall start and finish within reasonable time scales, suspension of works at your request may mean we have to provide you with a revised quotation.

8c. Length of time the connection is required? *

Permanent

Temporary (5 years or less)

SECTION 9

SITE INFORMATION

9a. Is the site classed as a 'site of specific interest' or listed under any other classification e.g. Historical site, conservation area, listed building?

Yes - provide details below

No

Don't know

9b. Are there any trees or hedges on the site that are protected by preservation orders?

Yes - provide details below

No

Don't know

9c. Are there any existing water courses, culverts or drainage ditches on or adjacent to the site?

Yes - provide details below

No

Don't know

9d. Does the site contain any substances hazardous to health of the environment e.g. Asbestos, Hydrocarbons?

Yes - *provide details below*

No

Don't know

9e. What is the likelihood of flooding from rivers and the sea on your development?

Low **Medium** **High**

Further information can be found on the environment agency website

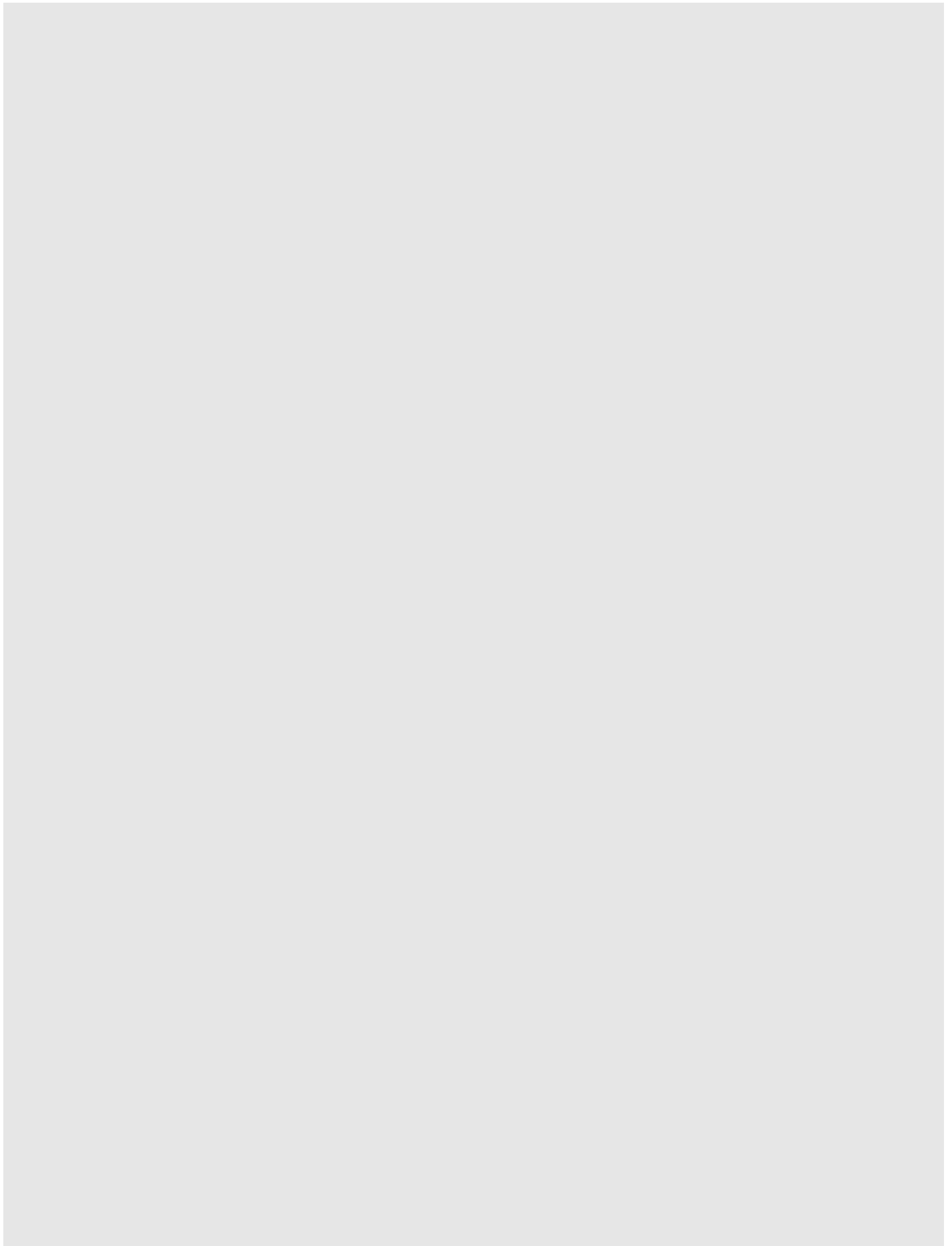
<http://www.environment-agency.org.uk/homeandleisure/floods/>

9f. Do you require us to do any on-site digging or excavation?

Yes **No** **Don't know**

9g. Please provide any other details you feel are relevant to your application

Other details continued...



SECTION 10
ADDITIONAL INFORMATION

10a. If we have a query about the information you have provided, how would you like us to contact you?

Email **Telephone**

10b. How would you prefer to receive your quotation information?

Email **Post** **Both**

10c. This application is for:

Budget Cost* **Quotation***

* If you have been unable to provide us with all the relevant information and you are not ready to accept a quote and proceed with the work on site then apply for a budget cost.

* If you have completed all the sections that are relevant to your application and are ready to accept the quote and proceed with the work on site then apply for a quotation.

SECTION 11
SIGNATURE

Signature of applicant *

Date *

Print name *

Position in company - *if applicable*

Data Protection

We will use the details you provide to process your connection request and to monitor the service we provide. Your details will be kept securely and will not be used for marketing purposes. We have an obligation to provide the results of customer satisfaction surveys on the services we provide to Ofgem, the electricity industry regulator. Therefore, you may be contacted by our appointed Market Research Company to complete a brief satisfaction survey of our service delivery performance.

If you do not wish to be contacted as part of these surveys, please tick