

Forenede Kongerige, Det-Newcastle upon Tyne: Radio-, fjernsyns-, kommunikations- og telekommunikationsudstyr og beslægtet udstyr

OJ S 31/2019 13/02/2019

Forhåndsmeddelelse

Bygge og anlæg

**Retsgrundlag:**

Direktiv 2014/24/EU

## Del I: Ordregivende myndighed

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### I.1. Navn og adresser

Officielt navn: Northern Powergrid (Yorkshire) Plc, Northern Powergrid (Northeast) Ltd

By: Newcastle upon Tyne

NUTS-kode: UKC North East (England)

Postnummer: NE11 6AF

Land: Det Forenede Kongerige

Kontaktperson: Sally Hartley

E-mail: [sally.hartley@northernpowergrid.com](mailto:sally.hartley@northernpowergrid.com)

Telefon: +44 1977605669

**Internetadresse(r):**

Overordnet internetadresse: <http://www.northernpowergrid.com/>

### I.3. Kommunikation

Yderligere oplysninger fås på den ovennævnte adresse

Bud eller ansøgninger om deltagelse skal sendes til den ovennævnte adresse

### I.4. Type ordregivende myndighed

Offentligretligt organ

### I.5. Hovedaktivitet

Generelle offentlige tjenester

## Del II: Genstand

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### II.1. Udbuddets omfang

#### II.1.1. Betegnelse

Secondary SCADA Communications Replacement

Sagsnr.: NPG19031

#### II.1.2. Hoved-CPV-kode

32000000 Radio-, fjernsyns-, kommunikations- og telekommunikationsudstyr og beslægtet udstyr

#### II.1.3. Kontrakttype

Bygge- og anlægsarbejder

#### II.1.4. Kort beskrivelse

Northern Powergrid (NPG) are looking at replacing the legacy communications to Remote Terminal Units (RTU) on the secondary electrical distribution network. Currently Northern

Powergrid have 2 Telemetry networks operating independently of each other; 1 in the North East and 1 in Yorkshire. The data transferred utilises the DNP3 protocol and eventually ends up in 1 of 2 GE ENMAC (Power On Fusion) Network Management System (NMS) geographically separated for redundancy purposes in one of our control centres. The intention is to build a common solution using hill top base station sites, approximately 80 in total. NPG will identify these sites and deal with all site based requirements separate to the tender. The solution will use 80 x 12,5 kHz channels in the VHF band, all RF planning will have been completed prior to issuing the tender and subsequent rollout programme; this will also be separate to this tender.

#### **II.1.5. Anslået samlet værdi**

#### **II.1.6. Oplysninger om delkontrakter**

Kontrakten er opdelt i delkontrakter: nej

### **II.2. Beskrivelse**

#### **II.2.2. Supplerende CPV-kode(r)**

45314000 Installation af telekommunikationsudstyr

#### **II.2.3. Udførelsessted**

NUTS-kode: UKC North East (England)

#### **II.2.4. Beskrivelse af udbuddet**

Northern Powergrid (NPG) are looking at replacing the legacy communications to Remote Terminal Units (RTU) on the secondary electrical distribution network. Currently Northern Powergrid have 2 Telemetry networks operating independently of each other; 1 in the North East and 1 in Yorkshire. The data transferred utilises the DNP3 protocol and eventually ends up in 1 of 2 GE ENMAC (Power On Fusion) Network Management System (NMS) geographically separated for redundancy purposes in one of our control centres. The intention is to build a common solution using hill top base station sites, approximately 80 in total. NPG will identify these sites and deal with all site based requirements separate to the tender. The solution will use 80 x 12,5 kHz channels in the VHF band, all RF planning will have been completed prior to issuing the tender and subsequent rollout programme; this will also be separate to this tender.

NPG believe it will be possible to achieve data rates of up to 40 kps, any proposed solution should look to meet this.

There will be over 6 500 outstation sites that will require a site visit to install new hardware. A new transceiver, antenna and new cabling will be required as a minimum. There will also be a requirement on the installer to re-programme the RTU connected to the transceiver and then re-commission the site. The connection between the RTU and transceiver is serial. Due to the location of some of the equipment NPG provided personnel will install equipment at approximately 2 000 of these sites with the winning bidder supplying the equipment.

A new network management system will be required to monitor all of the new telecommunication equipment. All new hardware should be ip addressable, with the ip design being a component of the tender.

Security is a very important component of the design. End to end encryption will be necessary with end points at the outstation and control centres. All radio links should also include over air encryption: AES 256 as a minimum. It may also be necessary to install a door or cabinet alarm which should utilise i/o alarms on the transmitter. SNMP v3 is a minimum requirement.

The tender will be released in Q2 of 2019 with contract award announced at the beginning of Q4; subject to a satisfactory tender process. There will be 2 contracts awarded; the first to

carry out a proof of concept to confirm the solution meets all of our needs. On completion of a successful proof of concept the contract for the full rollout will be awarded.

We foresee the project taking 3 ¼ years to complete with an end date of Q1 2023. The envisaged costs for delivering this are expected to be between 14 000 000 GBP and 20 000 000 GBP.

#### **II.2.5. Tildelingskriterier**

#### **II.2.6. Anslået værdi**

#### **II.2.7. Varighed af kontrakten, rammeaftalen eller det dynamiske indkøbssystem**

#### **II.2.10. Oplysninger om alternative tilbud**

#### **II.2.11. Oplysninger om optioner**

#### **II.2.13. Oplysninger om EU-midler**

Udbuddet vedrører et EU-finansieret projekt og/eller program: nej

#### **II.2.14. Yderligere oplysninger**

Northern Powergrid intend to advertise this opportunity via the Utilities Vendor Database (UVDB) hosted by Achilles. Suppliers wishing to take part in this exercise must be registered on the UVDB. For consortia or joint venture bids, the group must be registered in order to take part as the intended consortia or joint venture.

The intended turnover filter to be used in the UVDB is > 4 000 000 GBP.

### **Del IV: Procedure**

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#### **IV.1. Beskrivelse**

##### **IV.1.1. Proceduretype**

Udbud med forhandling

##### **IV.1.3. Oplysninger om rammeaftale eller dynamisk indkøbssystem**

##### **IV.1.6. Oplysninger om elektronisk auktion**

Der vil blive anvendt elektronisk auktion

##### **IV.1.8. Oplysninger om GPA-aftalen om offentlige udbud**

Dette udbud er omfattet af GPA-aftalen: ja

#### **IV.2. Administrative oplysninger**

##### **IV.2.2. Frist for modtagelse af interesselilkendegivelser**

Dato: 28/02/2019 Tidspunkt: 12:00

##### **IV.2.4. Sprog, der må benyttes ved afgivelse af tilbud eller ansøgninger om deltagelse**

Engelsk

##### **IV.2.5. Planlagt startdato for tildelingsprocedurerne**

### **Del VI: Supplerende oplysninger**

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#### **VI.3. Yderligere oplysninger**

#### **VI.4. Klageprocedurer**

**VI.4.1. Organ med ansvar for klageprocedurerne**

Officielt navn: Northern Powergrid Internal Audit

By: Newcastle

Land: Det Forenede Kongerige

**VI.5. Dato for afsendelse af denne bekendtgørelse**

08/02/2019