

Verenigd Koninkrijk-Newcastle upon Tyne: Radio-, televisie-, communicatie-, telecommunicatietoestellen en aanverwante apparatuur

OJ S 31/2019 13/02/2019

Voor aankondiging

Werken

Rechtsgrond:

Richtlijn 2014/24/EU

Afdeling I: Aanbestedende dienst

I.1. Naam en adressen

Officiële benaming: Northern Powergrid (Yorkshire) Plc, Northern Powergrid (Northeast) Ltd

Plaats: Newcastle upon Tyne

NUTS-code: UKC North East (England)

Postcode: NE11 6AF

Land: Verenigd Koninkrijk

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Internetadres(sen):

Hoofdadres: <http://www.northernpowergrid.com/>

I.3. Communicatie

Nadere inlichtingen zijn te verkrijgen op het hierboven vermelde adres

Inschrijvingen of aanvragen tot deelneming moeten worden ingediend het hierboven vermelde adres

I.4. Soort aanbestedende dienst

Publiekrechtelijke instelling

I.5. Hoofdactiviteit

Algemene overheidsdiensten

Afdeling II: Voorwerp

II.1. Omvang van de aanbesteding

II.1.1. Benaming

Secondary SCADA Communications Replacement

Referentienummer: NPg19031

II.1.2. CPV-code hoofdcategorie

32000000 Radio-, televisie-, communicatie-, telecommunicatietoestellen en aanverwante apparatuur

II.1.3. Type opdracht

Werken

II.1.4. Korte beschrijving

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. Geraamde totale waarde

II.1.6. Inlichtingen over percelen

Verdeling in percelen: neen

II.2. Beschrijving

II.2.2. Aanvullende CPV-code(s)

45314000 Installeren van telecommunicatie-uitrusting

II.2.3. Plaats van uitvoering

NUTS-code: UKC North East (England)

II.2.4. Beschrijving van de aanbesteding

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. Gunningscriteria

II.2.6. Geraamde waarde

II.2.7. Looptijd van de opdracht, de raamovereenkomst of het dynamische aankoopstelsel

II.2.10. Inlichtingen over varianten

II.2.11. Inlichtingen over opties

II.2.13. Inlichtingen over middelen van de Europese Unie

De aanbesteding houdt verband met een project en/of een programma dat met middelen van de EU wordt gefinancierd: neen

II.2.14. Nadere inlichtingen

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.

Afdeling IV: Procedure

IV.1. Beschrijving

IV.1.1. Type procedure

Mededingingsprocedure met onderhandeling

IV.1.3. Inlichtingen over een raamovereenkomst of dynamisch aankoopstelsel

IV.1.6. Inlichtingen over elektronische veiling

Er wordt gebruikgemaakt van een elektronische veiling

IV.1.8. Inlichtingen over de Overeenkomst inzake overheidsopdrachten (GPA)

De opdracht valt onder de GPA: ja

IV.2. Administratieve inlichtingen

IV.2.2. Termijn voor de ontvangst van blikken van belangstelling

Datum: 28/02/2019 Plaatselijke tijd: 12:00

IV.2.4. Talen die mogen worden gebruikt bij het indienen van inschrijvingen of aanvragen tot deelneming

Engels

IV.2.5. Geplande datum voor het begin van de gunningsprocedures

Afdeling VI: Aanvullende inlichtingen

VI.3. Nadere inlichtingen

VI.4. Beroepsprocedures

VI.4.1. Beroepsinstantie

Officiële benaming: Northern Powergrid Internal Audit

Plaats: Newcastle

Land: Verenigd Koninkrijk

VI.5. Datum van verzending van deze aankondiging

08/02/2019