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Tender

## **Peterhead to North Yorkshire HVDC Link Project**

National Grid Electricity Transmission PLC  
Scottish Hydro Electric Transmission PLC

F05: Contract notice – utilities

Notice identifier: 2022/S 000-003061

Procurement identifier (OCID): ocds-h6vhtk-03128f

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### **Section I: Contracting entity**

#### **I.1) Name and addresses**

National Grid Electricity Transmission PLC

1-3 Strand

London

WC2N 5EH

#### **Contact**

Jayne Ridler

#### **Email**

[jayne.ridler@nationalgrid.com](mailto:jayne.ridler@nationalgrid.com)

#### **Telephone**

+44 7970680671

#### **Country**

United Kingdom

**NUTS code**

UK - United Kingdom

**Internet address(es)**

Main address

<https://www.nationalgrid.com/>

**I.1) Name and addresses**

Scottish Hydro Electric Transmission PLC

Inveralmond House, 200 Dunkeld Road

Perth

PH1 3AQ

**Contact**

Jill Humphries

**Email**

[jill.humphries@sse.com](mailto:jill.humphries@sse.com)

**Telephone**

+44 7918473059

**Country**

United Kingdom

**NUTS code**

UK - United Kingdom

**Internet address(es)**

Main address

<https://www.ssen.co.uk/Home/>

## **I.2) Information about joint procurement**

The contract involves joint procurement

In the case of joint procurement involving different countries, state applicable national procurement law

England, Wales & Northern Ireland

## **I.3) Communication**

Access to the procurement documents is restricted. Further information can be obtained at

[www.ariba.com](http://www.ariba.com)

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

[www.ariba.com](http://www.ariba.com)

Tenders or requests to participate must be submitted to the above-mentioned address

## **I.6) Main activity**

Electricity

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Peterhead to North Yorkshire HVDC Link Project

Reference number

Lot 1 Converter - WS3345506888, Lot 2 Cable - WS3337388147 and Lot 3 Turnkey - WS3345119292

#### **II.1.2) Main CPV code**

- 45000000 - Construction work

#### **II.1.3) Type of contract**

Works

#### **II.1.4) Short description**

National Grid Electricity Transmission PLC (NGET) and Scottish Hydro Electric Transmission PLC (the "Employers") are jointly developing a HVDC link between Peterhead, Scotland and Drax, England (the "HVDC Link"). This notice concerns the award of one or more Engineering, Procurement & Construction (EPC) contracts for the detailed design, engineering, procurement, manufacture, installation, construction, testing, commissioning, spares provision, operational hand-over and maintenance of the HVDC Link between Scotland and England.

The procurement is structured in 3 lots consisting of:

? Lot 1 - EPC of HVDC, Voltage Source Commutated (VSC) converter stations and HVAC underground cable between Converter Station and Point of Common Connection (PCC) at both Peterhead and Drax.

? Lot 2 - EPC of HVDC submarine and underground cable between converter stations at both Peterhead and Drax.

? Lot 3 - Lot 1 and Lot 2 combined as a single contract (Turnkey).

#### **II.1.5) Estimated total value**

Value excluding VAT: £1,600,000,000

## **II.1.6) Information about lots**

This contract is divided into lots: Yes

Tenders may be submitted for all lots

The contracting authority reserves the right to award contracts combining the following lots or groups of lots:

The Employers reserve the right to award contracts combining the following lots or groups of lots:

? Lot 1 or Lot 2

or

? Lot 3

## **II.2) Description**

### **II.2.1) Title**

Lot No: 1 - EPC of HVDC, Voltage Source Commutated (VSC) Converter Stations and HVAC underground cable between Converter Station and Point of Common Connection (PCC) at both Peterhead and Drax

Lot No

1

### **II.2.2) Additional CPV code(s)**

- 31200000 - Electricity distribution and control apparatus
- 31321300 - High-voltage cable
- 45231400 - Construction work for electricity power lines
- 45314310 - Installation of cable laying

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UK

#### **II.2.4) Description of the procurement**

EPC of Two HVDC VSC converter stations (England and Scotland), including the underground civil works, to accommodate x2 HVDC cable poles over a total route length of approximately 490 km, forming a connection and capable of delivering 2GW as more fully described in the procurement documents.

Applicant's submissions must also include EPC of HVAC cable between the converter station and POCC at Peterhead and Drax. The submission must include interfaces (as defined in the procurement documents) to adjacent cable and converter equipment, allowing interconnection of a final end-to-end solution.

Submissions must include detailed delivery plans/programmes clearly demonstrating how production and installation will be achieved to ensure full commissioning of the HVDC Link by Q4 2029.

The HVDC cable technology is 525kV XLPE, PPL or MIND. Proposed PPL and MIND cable systems (cables and accessories, including factory joints and transition joints) shall be type tested in accordance with Cigre Electra 189 and 171 before the award of the contract. Proposed XLPE cable systems (cables and accessories, including factory joints and transition joints) shall be Pre-Qualification tested in accordance with CIGRE TB852 or TB496 before the award of the contract.

The Employers reserve the right to award Lot 1 and Lot 2 to the same Tenderer or to separate Tenderers. The Employers further reserve the right to award, alternatively, Lot 3 instead of Lot 1 and Lot 2.

The Employers reserves the right to take up to a maximum of three successful Tenderers who achieve the highest scores across the criteria through to RFP stage.

Applicants are advised that, for the purpose of the contracts, the Employers may potentially enter into joint venture arrangements prior to awarding any contract from this activity. If this approach were to be adopted and, depending on the nature of the joint venture arrangements, the successful applicant(s) may be required to enter into a contract with a new JV entity relating to the execution of the works and services being procured

The Employers are considering the potential to award early works

#### **II.2.5) Award criteria**

Price is not the only award criterion and all criteria are stated only in the procurement documents

### **II.2.6) Estimated value**

Value excluding VAT: £480,000,000

### **II.2.7) Duration of the contract, framework agreement or dynamic purchasing system**

Duration in months

72

This contract is subject to renewal

No

### **II.2.10) Information about variants**

Variants will be accepted: No

### **II.2.11) Information about options**

Options: Yes

Description of options

Maintenance for Converter Stations

## **II.2) Description**

### **II.2.1) Title**

Lot No: 2 - EPC of HVDC submarine and underground cable between Converter Stations at both Peterhead and Drax

Lot No

2

### **II.2.2) Additional CPV code(s)**

- 31200000 - Electricity distribution and control apparatus
- 31321300 - High-voltage cable

- 31321500 - Submarine cable
- 45231400 - Construction work for electricity power lines
- 45314310 - Installation of cable laying

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UK and UK Territorial waters

### **II.2.4) Description of the procurement**

EPC of two HVDC cable poles (underground and submarine cable), including the underground civils works, over a total route length of approximately 490 km, forming part of a connection between two HVDC converter stations (England and Scotland) and capable of delivering 2GW Or 1.4GW - 1.6GW.

Lot 2 will be split into 2 sub lots and all Applicants will be required to submit a compliant response for at least one or more of the sub lots. The sub lots are:

- Lot 2a 2 GW, 2 Cable 525kV solution
- Lot 2b 1.4GW - 1.6GW, 2 Cable 525kV solution

Only one sub lot will be selected by the Employers.

Submissions must include detailed delivery plans/programmes clearly demonstrating how production and installation will be achieved to ensure full commissioning of the HVDC Link by Q4 2029.

The HVDC cable technology is 525kV XLPE, PPL or MIND and Applicant's must note that the cable system (cables and accessories, including factory joints and transition joints) proposed in their design must have been type tested in accordance with Cigre Electra 189 and 171 before the award of the contract. Proposed XLPE cable systems (cables and accessories, including factory joints and transition joints) shall be Pre-Qualification tested in accordance with CIGRE TB852 or TB496 before the award of the contract.

The Employers reserve the right to award Lot 1 and Lot 2 to the same Tenderer or to separate Tenderers. The Employers further reserve the right to award, alternatively, Lot 3 instead of Lot 1 and Lot 2.

The Employers reserves the right to take up to a maximum of twelve successful Tenderers (in accordance with the Procurement documents) who achieve the highest scores across the criteria through to RFP stage. This comprises up to a maximum of six for sub lot 2a and six for sub lot 2b.

Applicants are advised that, for the purpose of the contracts, the Employers may potentially enter into joint venture arrangements prior to awarding any contract from this activity. If this approach were to be adopted and, depending on the nature of the joint venture arrangements, the successful applicant(s) may be required to enter into a contract with a new JV entity relating to the execution of the works and services being procured.

The Employers are considering the potential to award early works.

#### **II.2.5) Award criteria**

Price is not the only award criterion and all criteria are stated only in the procurement documents

#### **II.2.6) Estimated value**

Value excluding VAT: £1,154,000,000

#### **II.2.7) Duration of the contract, framework agreement or dynamic purchasing system**

Duration in months

72

This contract is subject to renewal

No

#### **II.2.10) Information about variants**

Variants will be accepted: No

#### **II.2.11) Information about options**

Options: Yes

Description of options

- Provide a spare duct at each landfall
- Post Delivery Support Agreement

## **II.2) Description**

### **II.2.1) Title**

Lot No: 3 - Lot 1 (Converter) and Lot 2 (Cable) combined as a single contract (Turnkey)

Lot No

3

### **II.2.2) Additional CPV code(s)**

- 31200000 - Electricity distribution and control apparatus
- 31321300 - High-voltage cable
- 31321500 - Submarine cable
- 45231400 - Construction work for electricity power lines
- 45314310 - Installation of cable laying

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

Main site or place of performance

UK and UK territorial waters

### **II.2.4) Description of the procurement**

EPC of Two HVDC VSC converter stations (England and Scotland), including the underground civils works, to accommodate x2 HVDC cable poles over a total route length of approximately 490 km, forming a connection and capable of delivering 2GW or 1.4GW - 1.6GW.

Applicants are advised that the two cable sub-lots described in II.3.4 apply equally to Lot 3.

Applicant's submission must also include EPC of HVAC cable between the converter station and POCC at Peterhead and Drax. The submission must include interfaces (as defined in the procurement documents) to adjacent cable and converter equipment, allowing interconnection of a final end-to-end solution.

Submissions must include detailed delivery plans/programmes clearly demonstrating how production and installation will be achieved to ensure full commissioning of the HVDC Link by Q4 2029.

The HVDC cable technology is 525kV XLPE, PPL or MIND. Proposed PPL and MIND cable systems (cables and accessories, including factory joints and transition joints) shall be type tested in accordance with Cigre Electra 189 and 171 before the award of the contract. Proposed XLPE cable systems (cables and accessories, including factory joints and transition joints) shall be Pre-Qualification tested in accordance with CIGRE TB852 or TB496 before the award of the contract.

Applicant's submission must also include EPC of HVAC cable between the converter station and POCC at Peterhead and Drax. The submission must include transition joints (as defined in the Tender Documents) to adjacent cable and converter equipment, allowing interconnection of a final end-to-end solution.

Submissions must include detailed delivery plans/programmes clearly demonstrating how production and installation will be achieved to ensure full commissioning of the HVDC Link by Q4 2029.

The Employers reserve the right not to award a Lot 3. The Constituent parts of any joint venture or consortium participating in Lot 3 will be expected also to participate in Lot 1 and Lot 2

The Employers reserves the right to take up to a maximum of three successful Applicants who achieve the highest scores across the criteria through to RFP stage

Applicant's are advised that, for the purpose of the contracts, the Employers may potentially enter into joint venture arrangements prior to awarding any contract from this activity. If this approach were to be adopted and, depending on the nature of the joint venture arrangements, the successful applicant(s) may be required to enter into a contract with a new JV entity relating to the execution of the works and services being procured.

The Employers is considering the potential to award early works.

#### **II.2.5) Award criteria**

Price is not the only award criterion and all criteria are stated only in the procurement documents

#### **II.2.6) Estimated value**

Value excluding VAT: £1,600,000,000

**II.2.7) Duration of the contract, framework agreement or dynamic purchasing system**

Duration in months

72

This contract is subject to renewal

No

**II.2.10) Information about variants**

Variants will be accepted: No

**II.2.11) Information about options**

Options: Yes

Description of options

? Provide a spare duct at each landfall

? Post Delivery Support Agreement;

? Maintenance for Converter Stations

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## **Section III. Legal, economic, financial and technical information**

### **III.1) Conditions for participation**

#### **III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers**

List and brief description of conditions

As described in the procurement documents

#### **III.1.2) Economic and financial standing**

List and brief description of selection criteria

As described in the procurement documents

Minimum level(s) of standards possibly required

As described in the procurement documents

#### **III.1.3) Technical and professional ability**

List and brief description of selection criteria

As described in the procurement documents

#### **III.1.4) Objective rules and criteria for participation**

List and brief description of rules and criteria

As described in the procurement documents

#### **III.1.6) Deposits and guarantees required**

The following contractual security may be required from the Applicants:

? Parent company guarantees from the ultimate parent company or equivalent third party security

? Performance and warranty bonds

? Collateral warranties in favour of the Employers from all key subcontractors (to be determined by the Employers)

? Advance payment bonds if the Employers agree to an advance payment in each case as more fully described in the procurement documents

### **III.1.7) Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them**

Scotland to England Green Link (SEGL) 2 is subject to regulation under the Ofgem RIIO-T2 Large Onshore Transmission Investment regime and therefore the project costs and payment provisions may be subject to regulatory oversight.

### **III.1.8) Legal form to be taken by the group of economic operators to whom the contract is to be awarded**

Where there is a group of economic operators, joint venture or consortium each economic operator, joint venture partner or consortium member must be jointly and severally liable for the whole of the performance of the obligations under any contract to which it is a party.

## **III.2) Conditions related to the contract**

### **III.2.2) Contract performance conditions**

Contracts will be structured on an Engineer, Procure and Construct ("EPC") basis, will be subject to the laws of England & Wales, and will contain performance guarantees. Completion and full commissioning of the HVDC Link needs to be scheduled to be completed by Q4 2029. Full details of the contract performance conditions are described in procurement documents.

### **III.2.3) Information about staff responsible for the performance of the contract**

Obligation to indicate the names and professional qualifications of the staff assigned to performing the contract

## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.1) Type of procedure**

Negotiated procedure with prior call for competition

#### **IV.1.4) Information about reduction of the number of solutions or tenders during negotiation or dialogue**

Recourse to staged procedure to gradually reduce the number of solutions to be discussed or tenders to be negotiated

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: Yes

### **IV.2) Administrative information**

#### **IV.2.2) Time limit for receipt of tenders or requests to participate**

Date

9 March 2022

#### **IV.2.3) Estimated date of dispatch of invitations to tender or to participate to selected candidates**

3 June 2022

#### **IV.2.4) Languages in which tenders or requests to participate may be submitted**

English

#### **IV.2.6) Minimum time frame during which the tenderer must maintain the tender**

Duration in months: 16 (from the date stated for receipt of tender)

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.3) Additional information**

Applicants are advised that, for the purpose of the contracts, the Employers may potentially enter into joint venture arrangements prior to awarding any contract from this activity. If this approach were to be adopted and, depending on the nature of the joint venture arrangements, the successful applicant(s) may be required to enter into a contract with a new JV entity relating to the execution of the works and services being procured

The Employers reserve the right to withdraw this notice or any of the lots included in this notice at any time for whatever reason. In the event that the Employers decide to withdraw any lots within this notice, the Employers reserve the right to continue the process in respect of any of the remaining lots.

The Employers reserve the right to award Lot 1 and Lot 2 to the same Tenderer or to separate Tenderers. The Employers further reserve the right to award, alternatively, Lot 3 instead of Lot 1 and Lot 2.

Applicants shall be fully responsible for the costs of responding to this procurement at all stages of the procurement and in no circumstances do the Employers accept any liability for any costs incurred by any Applicants, howsoever or whensoever incurred.

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

High Court of Justice

Queen's Bench Division Divisional Court, Royal Courts of Justice,

Strand, London

WC2A 2LL

Country

United Kingdom