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Tender

Redcar Hydrogen Storage Solution (10 Tonnes) - Vessel Supply Only

NORTHERN GAS NETWORKS LIMITED

F05: Contract notice – utilities

Notice identifier: 2023/S 000-030947

Procurement identifier (OCID): ocds-h6vhtk-040d84

Published 19 October 2023, 5:06pm

Section I: Contracting entity

I.1) Name and addresses

NORTHERN GAS NETWORKS LIMITED

1100 Century Way Thorpe Park

LEEDS

LS158TU

Contact

Andrew Christophers

Email

achristophers@northerngas.co.uk

Telephone

+44 7510367358

Country

United Kingdom

Region code

UKE42 - Leeds

Companies House

05167070

Internet address(es)

Main address

<https://www.northerngasnetworks.co.uk>

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://www.northerngasnetworks.co.uk>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.northerngasnetworks.co.uk>

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

I.6) Main activity

Production, transport and distribution of gas and heat

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Redcar Hydrogen Storage Solution (10 Tonnes) - Vessel Supply Only

II.1.2) Main CPV code

- 44615100 - Steel pressure vessels

II.1.3) Type of contract

Supplies

II.1.4) Short description

Northern Gas Networks (NGN) has been given the go ahead by Government and Ofgem to develop its proposals to create the UK's first hydrogen village. As such the Redcar Hydrogen Community is a proposal from Northern Gas Networks (NGN) to supply around 2,000 homes in an area of Redcar and parts of Kirkleatham with locally produced, clean burning hydrogen from 2025. The hydrogen production capacity will be delivered by the neighbouring Teesside cluster with over 2,500 MW of low carbon hydrogen expected to come online by 2030.

NGN have identified that, to provide a resilient trial, they will require short term storage for intraday changes in demand profile as well as inter-seasonal storage to make up for the difference between summer and winter production and demand profiles.

It should be noted that NGN have recently issued a contract notice for the provision of a full turnkey above ground storage solution that incorporates the supply of these vessels. At this stage of the project NGN has not decided its favoured option which will be driven in part by the level of interest shown in each. This contract notice relates to the provision of the pressure vessels only with associated installation and civils works to be undertaken under separate cover.

This Contract Notice is the first stage of a multistage procurement process which will seek to identify a suitable supplier to provide an above ground storage solution in the form of horizontally orientated pressure vessels to store up to 10 tonnes of hydrogen the scope broadly comprising the provision of 10 off 35bar pressure vessels.

Should you wish to participate further in this procurement event please email

achristophers@northerngas.co.uk in the first instance.

On receipt of your email NGN will provide further information which will include equipment specifications and drawings along with a questionnaire for completion.

The deadline for requesting a questionnaire is 27th November 2023

The deadline for final submission of a response to the questionnaire is 11th December 2023

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

II.2.4) Description of the procurement

Northern Gas Networks (NGN) has been given the go ahead by Government and Ofgem to develop its proposals to create the UK's first hydrogen village. As such the Redcar Hydrogen Community is a proposal from Northern Gas Networks (NGN) to supply around 2,000 homes in an area of Redcar and parts of Kirkleatham with locally produced, clean burning hydrogen from 2025. The hydrogen production capacity will be delivered by the neighbouring Teesside cluster with over 2,500 MW of low carbon hydrogen expected to come online by 2030.

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horizontally orientated pressure vessels to store up to 10 tonnes of hydrogen the scope broadly comprising the provision of 10 off 35bar pressure vessels.

The vessels will need to be designed and manufactured to recognised industry design codes and standards. The primary design codes being the latest versions of:

PD 5500

IGEM/SR/14

NGN/SP/PV/3

The Supplier(s) will be responsible for:

Design (including all plant and labour associated with it) calculations, drawings and associated documentation, all shall be fully checked and approved.

The supply of all materials, equipment, together with the manufacture and works testing, including Factory Acceptance Testing (FAT).

The transport to site and off-loading onto concrete foundations.

Testing and commissioning including Site Acceptance Testing (SAT).

Ensuring that the equipment satisfies the process design set out in this specification.

Ensuring that an independent third-party check and inspection is satisfactorily completed for all pressure vessels (if applicable).

The concrete foundations for the vessels are outside the Scope of Supply, however, the supplier shall provide a drawing and calculations indicating the requirements for holding down bolts and any other features required in the foundation such as cut outs dimensions and mounting requirements.

Should you wish to participate further in this procurement event please email achristophers@northerngas.co.uk in the first instance.

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II.2.5) Award criteria

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

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

Duration in months

24

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: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Negotiated procedure with prior call for competition

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

The procurement is covered by the Government Procurement Agreement: No

IV.2) Administrative information

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

Date

27 November 2023

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

English

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.4) Procedures for review

VI.4.1) Review body

Northern Gas Networks Ltd

Leeds

Country

United Kingdom

