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Tender

Contract Notice: Procurement for the Design, Supply, Installation and Commissioning of Hydrogen Equipment for the Purpose of Production, Compression, Storage and Dispensation of Hydrogen Fuel (“Hydrogen Technology Package”)

Bp Aberdeen Hydrogen Energy Limited

F02: Contract notice

Notice identifier: 2023/S 000-004438

Procurement identifier (OCID): ocds-h6vhtk-038a44

Published 14 February 2023, 9:05am

The closing date and time has been changed to:

30 March 2023, 5:00pm

See the [change notice](#).

Section I: Contracting authority

I.1) Name and addresses

Bp Aberdeen Hydrogen Energy Limited

Bp North Sea Headquarters, 1-4 Wellheads Avenue

Aberdeen

AB21 7PB

Email

chris.gough@turntown.co.uk

Telephone

+44 1224832000

Country

United Kingdom

NUTS code

UKM50 - Aberdeen City and Aberdeenshire

Internet address(es)

Main address

<https://turnerandtownsend.bravosolution.com>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA30623

I.3) Communication

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

<https://turnerandtownsend.bravosolution.com/web/login.html>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://turnerandtownsend.bravosolution.com/web/login.html>

I.4) Type of the contracting authority

Other type

Contract subsidised by a contracting authority

I.5) Main activity

Other activity

Energy

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Contract Notice: Procurement for the Design, Supply, Installation and Commissioning of Hydrogen Equipment for the Purpose of Production, Compression, Storage and Dispensation of Hydrogen Fuel (“Hydrogen Technology Package”)

II.1.2) Main CPV code

- 42113390 - Fuel-gas systems

II.1.3) Type of contract

Supplies

II.1.4) Short description

bp Aberdeen Hydrogen Energy Limited (bpAHEL) is a Joint Venture (JV) between bp and Aberdeen City Council (ACC), secured through a public procurement process. The JV has been created with the purpose of delivering a scalable green hydrogen production, storage and distribution facility in the city powered by renewable energy. The facility is targeting manufacture and dispensing of between 770 kilograms (min.) and 1000 kilograms (peak) of green hydrogen per day – enough to fuel 25 buses and a range of other fleet vehicles.

This contract notice relates to the following scope of work:

Optimised and integrated design, supply, installation, testing and commissioning of the following, to produce and dispense the required volume and rates, at the required quality, of hydrogen per day:

- Hydrogen electrolyser and associated power unit
- Ancillary package equipment (i.e., compression, conditioning, storage, as required)

- Refueling/dispensing hub for vehicles
- Interconnections between supplied packages including pipework, cabling etc.
- Control Alarms and Safety Instrumented Systems (SIS), Fire & Gas, Emergency Shutdown etc., as per referenced control philosophy and as vendor deems necessary. (Capable of being integrated into a wider site SCADA system.)
- Clearly defining any utility requirements (power/water) and working with others to ensure seamless integration.
- Allowance for hydrogen import facilities

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 24111600 - Hydrogen
- 71330000 - Miscellaneous engineering services
- 65400000 - Other sources of energy supplies and distribution
- 71300000 - Engineering services
- 71320000 - Engineering design services
- 51100000 - Installation services of electrical and mechanical equipment

II.2.3) Place of performance

NUTS codes

- UKM50 - Aberdeen City and Aberdeenshire

II.2.4) Description of the procurement

bpAHEL intend to conduct a procurement for the provision of the required hydrogen technology (electrolyser unit, and compression, storage and dispensation equipment), with the aim of first hydrogen fuel being produced from the 3rd Quarter 2024.

An output-based specification has been developed, and a vendor led solution is sought. Contractors are to propose a scheme to meet the key functional metrics of the project

utilising existing technology and based upon a supplier standardised solution (where appropriate), within a safe, reliable, and operable system.

The Contractor will be responsible for the finalised design, specification, supply, installation, testing and commissioning of the hydrogen equipment within the proposed project scope, and will provide and undertake the following activities within the scope of supply:

- Design & Engineering of the scheme as a “system” including technical safety, process, mechanical, piping, structural, control, automation & instrumentation
- Project management
- Project controls including estimating, scheduling, cost, risk and performance management and reporting
- HSEQ management systems, including Design and Construction under the CDM legislation
- Attendance and facilitation of reviews including design, scheme, constructability, operations & maintenance, logistics, etc.
- The system should be provided with its own local control & automation whilst being capable of integration to a wider SCADA system including external signalling for remote control and monitoring
- Interface management and liaising with other contractors to ensure design is integrated to overall project
- Procurement & manufacturing
- Offsite fabrication, manufacturing, assembly, and Factory Acceptance Testing (FAT)
- Transport, logistics and shipping from factory to a site in Aberdeen
- Offloading, unloading & final positioning
- On site installation, testing, completions & commissioning
- Records from design through procurement to construction & commissioning
- Start-up & performance trials to ensure system meets functional specification
- Operation procedures & maintenance manuals

- Training and demonstration of the system
- Liaise with the Client throughout the project's lifecycle and obtain approval on technical deliverables including, but not limited to calculations, drawings, technical notes, inspection and test plans etc.

To respond to this Contract Notice please go to the following web address:
<https://turnerandtownsend.bravosolution.com> (the eTender system) and click on the 'Register' button. Once registered, please contact Chris Gough (chris.gough@turntown.co.uk) and Sam Munro (sam.munro@turntown.co.uk) to request access to all related documents.

All further communications, including clarification questions should be via the eTender messaging system.

II.2.5) Award criteria

Quality criterion - Name: Functional / Weighting: 35

Quality criterion - Name: Package / Weighting: 15

Quality criterion - Name: Health, Safety, Environment and Quality / Weighting: 20

Price - Weighting: 30

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

Duration in months

15

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

Options are described within the Project Brief

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

II.2.14) Additional information

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Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.2) Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3) Technical and professional ability

Selection criteria as stated in the procurement documents

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Open procedure

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.2.1) Previous publication concerning this procedure

Notice number: [2022/S 000-034213](#)

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

Originally published as:

Date

16 March 2023

Local time

5:00pm

Changed to:

Date

30 March 2023

Local time

5:00pm

See the [change notice](#).

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: 5 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

16 March 2023

Local time

5:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.3) Additional information

NOTE: To register your interest in this notice and obtain any additional information please visit the Public Contracts Scotland Web Site at

https://www.publiccontractsscotland.gov.uk/Search/Search_Switch.aspx?ID=720472.

The Contracting Authority does not intend to include a sub-contract clause as part of community benefits (as per Section 25 of the Procurement Reform (Scotland) Act 2014) in this contract for the following reason:

The contractor will be required to identify sub-contractors prior to submitting their response to this tender.

Community benefits are included in this requirement. For more information see:

<https://www.gov.scot/policies/public-sector-procurement/community-benefits-in-procurement/>

A summary of the expected community benefits has been provided as follows:

The Contractor should develop a local supply chain where possible, in order to promote local skills and employment, with the objective of supporting a Just Transition to Net Zero.

The Contractor should seek opportunities to upskill their own workforce, and the workforce for their supply chain, with the objective of supporting a Just Transition to Net Zero.

The Contractor should contribute to Scotland and Aberdeen's overall climate ambitions and net zero targets by calculating and reducing the carbon created by their activity related to the Aberdeen Hydrogen Hub project and that of their supply chain.

(SC Ref:720472)

VI.4) Procedures for review

VI.4.1) Review body

Aberdeen Sheriff Court

53 Castle St.

Aberdeen

Country

United Kingdom