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Contract

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”) (Revised Tender)

Bp Aberdeen Hydrogen Energy Limited

F03: Contract award notice

Notice identifier: 2024/S 000-030854

Procurement identifier (OCID): ocds-h6vhtk-03c639

Published 26 September 2024, 4:17pm

Section I: Contracting authority

I.1) Name and addresses

Bp Aberdeen Hydrogen Energy Limited

Johnston Carmichael, Bishop’s Court, 29 Albyn Place

Aberdeen

AB10 1YL

Email

syed.hashmi@uk.bp.com

Country

United Kingdom

NUTS code

UKM50 - Aberdeen City and Aberdeenshire

Internet address(es)

Main address

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

Buyer's address

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

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

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") (Revised Tender)

II.1.2) Main CPV code

- 42113390 - Fuel-gas systems

II.1.3) Type of contract

Supplies

II.1.4) Short description

Please note this is a revised tender, following the decision to discontinue tender ref 20230214-000004 (2023/S 000-004438).

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.1.7) Total value of the procurement (excluding VAT)

Lowest offer: £7,836,603 / Highest offer: £12,496,577 taken into consideration

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

Description of Scope

bpAHEL intend to conduct a procurement for the provision of the required hydrogen technology (electrolyser unit) and hydrogen refueling station (compression, storage, dispensation, as required).

An output-based specification has been developed and Client is looking for a safe, reliable, and operable system based on the most-competitive industry-led, standardized offering from the tendering process, considering the specifications within the project brief but also the bidder's own capability and experience, supplier relationships, proprietary technology, and knowledge of delivering cost effective hydrogen solutions within the current environment.

It is recognized that there will be options to improve in certain areas of the project, such as plant availability, redundancy, delivery schedule, etc., and these will be evaluated post-contract award in collaboration with chosen Contractor through appropriate cost benefit analysis.

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

- Design & Engineering of the scheme as a “system” including technical safety, process, mechanical, piping, structural, control, automation & instrumentation

- 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
- 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.
- 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 project's lifecycle and obtain approval on technical deliverables including -but not limited to- calculations, drawings, technical notes, inspection and test plans etc.

Further Information:

If you are interested in this project but are unable to provide the full scope, please provide the following information to chris.gough@turntown.co.uk, kenzey.fordyce@bp.com and

sam.munro@turntown.co.uk.

- company name
- contact details
- summary of company capability relevant to this contract opportunity

The information will be shared with other potential bidders via the etender system with a view to enabling interested parties to work together.

II.2.5) Award criteria

Quality criterion - Name: Package Requirements (Project Delivery) / Weighting: 15

Quality criterion - Name: Functional Requirements (Technical) / Weighting: 35

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

Price - Weighting: 30

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

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

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: [2023/S 000-013985](#)

Section V. Award of contract

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

25 July 2024

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received from SMEs: 3

Number of tenders received from tenderers from other EU Member States: 1

Number of tenders received from tenderers from non-EU Member States: 3

Number of tenders received by electronic means: 4

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Hydrasun Limited

Gateway Business Park

Aberdeen

AB12 3GQ

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Lowest offer: £7,836,603 / Highest offer: £12,496,577 taken into consideration

Section VI. Complementary information

VI.3) Additional information

(SC Ref:776495)

VI.4) Procedures for review

VI.4.1) Review body

Aberdeen Sheriff Court

53 Castle St.

Aberdeen

Country

United Kingdom

