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Planning

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

F01: Prior information notice

Prior information only

Notice identifier: 2023/S 000-012757

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

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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

Contact

Chris Gough

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

Additional information can be obtained from the above-mentioned address

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")

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.

Following an initial approach to the market in February 2023 (Contract Notice Ref: 20230214-000004 (2023/S 000-004438)), bpAHEL are reviewing requirements with the intention of re-commencing procurement for the provision of the required hydrogen technology (electrolyser unit, and compression, storage and dispensation equipment). It is expected that a new contract notice will be published (incorporating revised requirements) before the end of May 2023.

A period of market engagement is currently being undertaken in order to obtain feedback from interested parties to enable bpAHEL to refine requirements, prior to re-commencing procurement.

An output-based specification is being developed, and a vendor led solution is sought. Suppliers 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.

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

Main site or place of performance

Aberdeen

II.2.4) Description of the procurement

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.

II.2.14) Additional information

To register your interest in this future opportunity, please contact Chris Gough (chris.gough@turntown.co.uk), Kenzey Fordyce (kenzey.fordyce@bp.com) and Sam Munro (sam.munro@turntown.co.uk).

II.3) Estimated date of publication of contract notice

19 May 2023

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

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=731239.

(SC Ref:731239)