This is a published notice on the Find a Tender service: https://www.find-tender.service.gov.uk/Notice/022510-2022

Tender

UKRI-2253 R80 Tower Decommissioning and Adiabatic Cooler Design and Build

UK Research & Innovation

F02: Contract notice
Notice identifier: 2022/S 000-022510
Procurement identifier (OCID): ocds-h6vhtk-035e9a
Published 15 August 2022, 7:05pm

Section I: Contracting authority

I.1) Name and addresses

UK Research & Innovation

Polaris House, North Star Avenue, Swindon

Swindon

SN2 1FL

Contact

STFC Procurement

Email

procurement@stfc.ac.uk

Telephone

+44 1235446553

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

https://www.ukri.org

I.3) Communication

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

https://www.delta-esourcing.com/tenders/UK-UK-Swindon:-Installation-work-of-cooling-equipment./5YQ64BANP4

Additional information can be obtained from the above-mentioned address

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

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Research and Innovation

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

UKRI-2253 R80 Tower Decommissioning and Adiabatic Cooler Design and Build

Reference number

UKRI-2253

II.1.2) Main CPV code

- 45331230 - Installation work of cooling equipment

II.1.3) Type of contract

Works

II.1.4) Short description

UKRI wishes to establish a Contract for the provision of R80 Tower Decommissioning and Adiabatic Cooler Design and Build. The estimated value of this opportunity is £1,000,000 - £2,000,000. The scope includes management and delivery of design and construction services for the R80 Chilled water and process systems at the site address Rutherford Appleton Laboratory, Harwell, Oxford, Didcot OX11 0QX.

The Contractor is required to act as a design and build contractor and will be responsible for all civil, mechanical, electrical construction; installation and commissioning within the CDM Works area.

II.1.5) Estimated total value

Value excluding VAT: £2,000,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42500000 - Cooling and ventilation equipment

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

Main site or place of performance

UNITED KINGDOM

II.2.4) Description of the procurement

The Contractor is required to act as a design and build contractor and will be responsible for all civil, mechanical, electrical construction; installation and commissioning of the following – but not limited to - within the CDM Works area (i.e., The R80 roof area) and in accordance with the Completion Dates (See Provisional Programme within Appendix D - Project Brief).

- 8 No New Adiabatic coolers (AC's).

- Connecting pipework and fittings to and the new AC's within the CDM Works Area.

- All types of valves (isolation, regulating, non-return either manual or actuated).

- Commissioning sets and pressure reducing valves.

- Testing and drainage points.

- Basket and other Filters.

- All steel support work for the Adiabatic Coolers.

- All pipework supports.

- All local electrical power and signal cabling with cable trays etc and supports.

- All necessary civil surveying /setting out work.

The Contractor will be entirely responsible for organising the decommissioning and removal of the existing Balticare Cooling Towers within the CDM Works Area.

Background

The ISIS Neutron and Muon Source is a world-leading centre for research at the STFC Rutherford Appleton Laboratory near Oxford. The R80 facility houses the Second Target Station (TS2) and its associated neutron beamlines. At the end of each beam line is an instrument hut complete with research instrumentation all of which require a source of suitably graded cold demineralised water. The Demin cooling water used to cool the target is provided by a 'closed loop' circuit with the duty/standby pump arrangement; two Plate Heat Exchangers (PHExs) and associated controls situated within the Level 2 West Plant Area T222. Likewise, the instrument water is fed from a similar set up situated within the Level 2 West Plant Area T220 on the same storey. A source of cooling is also necessary for the focusing magnets and associated power supplies along the main proton beamline that leads to TS2 - known as the Extract Proton Beamline 2 or EPB2. The R6 Plant link room – situated in the corridor that links the R6 facility to R80 – houses the EPB2 Magnet Demin cooling water system and a separate power supplies Demin circuit. All the above 'closed loop' water circuits contain a 'coarse' grade cooling PHEx that uses the process water (PW) and a PHEx fed with chilled water (CHW) used to 'trim' each circuit Demin to the required Semin water supply temperature.

Currently the process water circuit is a 'closed circuit' system comprising of 5 No Balticare (BAC) VX1-180-4+XB towers each rated at 800 kW. These towers are located on the R80 4th floor roof. Adjacent to the roof area leading to the first two towers is the R80 Chilled Water Plant room (Level 4 West plant room T410) which houses both the duty/standby process water pumps and 3 No TRANE 850 kW R134a charged RTHD C2 D5 E4 Chillers which are water cooled using the PW. Flow is maintained through the packaged chillers and primary loop header system by duty/standby chilled water pumps located within the Level 2 West plan room T222 together with the target circuit. Besides providing cooling to the different CHW PHExs mentioned above the chilled water system also provides substantial space cooling via Fan Coil Units (FCUs) situated in the R80 office; laboratories; server and control rooms.

The water circuits were originally designed and installed by HADEN-YOUNG during the original construction phase of the R80 facility in 2006.

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: £2,000,000

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

Duration in months

32

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

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

Additional information: We strongly recommend that you attend the Site Tour in order to gain complete clarity of our requirements. Please follow the instructions within the ITT.

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

Date

30 September 2022

Local time

2:00pm

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

IV.2.7) Conditions for opening of tenders

Date

30 September 2022

Local time

2:00pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.2) Information about electronic workflows

Electronic invoicing will be accepted

VI.3) Additional information

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement.

For more information about this opportunity, please visit the Delta eSourcing portal at:

https://ukri.delta-esourcing.com/tenders/UK-UK-Swindon:-Installation-work-of-cooling-equipment./5YQ64BANP4

To respond to this opportunity, please click here:

https://ukri.delta-esourcing.com/respond/5YQ64BANP4

GO Reference: GO-2022815-PRO-20792681

VI.4) Procedures for review

VI.4.1) Review body

UK Research and Innovation

Swindon

Country

United Kingdom