Tender

Supply and Installation of an Aqueous Mechanical and Corrosion Testing Loop with in-situ Irradiation Capability

UNIVERSITY OF BIRMINGHAM

F02: Contract notice
Notice identifier: 2021/S 000-030922
Procurement identifier (OCID): ocds-h6vhtk-030041
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Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF BIRMINGHAM

Chancellors Close

BIRMINGHAM

B152TT

Contact

Susanna Ting

Email

s.y.ting@bham.ac.uk

Country

United Kingdom

NUTS code

UKG31 - Birmingham

Internet address(es)

Main address

http://www.birmingham.ac.uk/index.aspx

I.3) Communication

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

http://www.in-tendhost.com/universityofbirmingham

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

http://www.in-tendhost.com/universityofbirmingham

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Supply and Installation of an Aqueous Mechanical and Corrosion Testing Loop with in-situ Irradiation Capability

Reference number

SC9516/21

II.1.2) Main CPV code

- 38970000 - Research, testing and scientific technical simulator

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Birmingham invites tenders for supply of An Aqueous Mechanical and Corrosion Testing Loop with in situ Irradiation Capability. The University operates an MC40 Cyclotron and a neutron beam facility is currently being built. The MC40 Cyclotron can produce the proton beam energies in the range of 3 38 MeV.

To support the nuclear research in the UK, the University has been awarded a project by EPSRC to develop a system which will enable the mechanical testing of materials under aqueous environment relevant to the current and future nuclear reactor applications, and with the capability of in-situ irradiation.

In summary, the aqueous system needs to enable the stress corrosion cracking experiments in the normal PWR conditions and also super-critical water conditions, with and without proton and/or neutron irradiation.

Overall budget for this item is up to £500,000.00 including VAT. This budget does not include the optional part needed to upgrade for gas coolant experiments as detailed in Section 8(b) for which potential suppliers are requested to quote the price in the same reply, but in separate lines.

This project may be funded by the European Regional Development Fund (ERDF) or;

European Structural and Investment Fund (ESIF) or;

Research Councils UK (RCUK), the strategic partnership of the UK's seven Research Councils.

II.1.5) Estimated total value

Value excluding VAT: £500,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKG - West Midlands (England)

II.2.4) Description of the procurement

The University of Birmingham invites tenders for supply of An Aqueous Mechanical and Corrosion Testing Loop with in-situ Irradiation Capability. The University operates an MC40 Cyclotron and a neutron beam facility is currently being built. The MC40 Cyclotron can produce the proton beam energies in the range of 3 38 MeV.

To support the nuclear research in the UK, the University has been awarded a project by EPSRC to develop a system which will enable the mechanical testing of materials under aqueous environment relevant to the current and future nuclear reactor applications, and with the capability of in-situ irradiation.

General characteristics

The aqueous system needs to enable the stress corrosion cracking experiments in the normal PWR conditions and also super-critical water conditions, with and without proton and/or neutron irradiation.

The full specification can be viewed via www.in-tendhost.com/universityofbirmingham

II.2.5) Award criteria

Quality criterion - Name: Compliance to the Specifications / Weighting: 40

Quality criterion - Name: After Sales and Technical back up / Weighting: 10

Quality criterion - Name: Delivery and Training / Weighting: 10

Quality criterion - Name: Sustainability and Environmental / Weighting: 5

Quality criterion - Name: Standard Supplier Questionnaire (SQ) / Weighting: 10

Price - Weighting: 25

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

Start date

14 February 2022

End date

30 June 2022

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

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

12 January 2022

Local time

12:00pm

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

English

IV.2.7) Conditions for opening of tenders

Date

19 January 2022

Local time

12:00pm

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

The University of Birmingham

Edgbaston

B15 2TT

Country

United Kingdom