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Tender

2826/507.JS.NAMRC.20 - Purposed Single Axis Seismic Shake Table

UNIVERSITY OF SHEFFIELD

F02: Contract notice

Notice identifier: 2021/S 000-003623

Procurement identifier (OCID): ocds-h6vhtk-02958f

Published 23 February 2021, 6:13pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF SHEFFIELD

Western Bank

SHEFFIELD

S102TN

Contact

Jamie Shaw

Email

jamie.shaw@sheffield.ac.uk

Telephone

+44 1142221516

Country

United Kingdom

NUTS code

UKE32 - Sheffield

Internet address(es)

Main address

<https://www.sheffield.ac.uk/>

I.3) Communication

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

<https://www.in-tendhost.co.uk/sheffield/>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.in-tendhost.co.uk/sheffield/>

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

<https://www.in-tendhost.co.uk/sheffield/>

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

2826/507.JS.NAMRC.20 - Purposed Single Axis Seismic Shake Table

Reference number

2826/507.JS.NAMRC.20

II.1.2) Main CPV code

- 38293000 - Seismic equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Sheffield wishes to invite tenders for a 'Purposed Single Axis Seismic Shake Table' on behalf of the Nuclear Advanced Manufacturing Research Centre, Castings Group at Catcliffe, South Yorkshire.

Scope of Requirement

Nuclear AMRC is one of seven high value manufacturing catapult centres promoting advanced manufacturing technologies and serving the UK supply chain, mainly in nuclear sector. The equipment qualification (EQ) is critical process for systems, structures and components used in nuclear industry. To conduct innovative research and provide better service for the SMEs, Nuclear AMRC is sourcing a hydraulic, single-axis vertical stroke seismic shake table system for testing and qualifying electronic devices, small electrical sub-systems and small mechanical components with a variety of masses.

The seismic shake table will be used to test different components with a variety of masses (between 1 kg and 100 kg) and different severity level of accelerations (between 6 G to 35 G) with 5% damping.

e.g. the intention is to test a minimum 80 kg mass. There are several other requirements in the RCC-E and IEEE344 standards for different level of acceleration against different mass of components (e.g. smaller component shall be tested to 35 G). To meet the requirements

of the RCC-E and IEEE344 standards, the successful supplier will provide a FAT plan prior to delivery of the seismic shake table.

The seismic shake table will be mainly used for Research & Development research projects, in addition to providing services to UK supply chain for the robustness of sub-systems and components testing potentially to the nuclear and other regulated sectors.

The bidder shall provide a turn-key solution for a single-axis seismic shake table system with all necessary hardware and software included for conducting seismic qualification test.

Initially the seismic table will be installed in a large workshop area which currently hosts other capital equipment. The seismic table will be moved at some point in the future (to another building) so needs to be easy to transport.

As of the date of releasing this tender, the new building in which the seismic shake table will eventually be installed has not as yet been constructed and we are unable to supply any drawings or plans (and associated dimensions). The seismic shake table will be installed in an office based environment so will need to be a relatively compact system.

Tender Process and Documentation:

This procurement is an open procedure conducted in accordance with the Public Contracts Regulations 2015

The ITT can be downloaded by registering and expressing your interest on the University's e-tendering system <https://in-tendhost.co.uk/Sheffield>

If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/Sheffield>

Completed tenders must be returned through the same e-tendering system.

Closing date for receipt of tenders: Thursday 25th March 2021 at 12 noon (UK time).

II.1.5) Estimated total value

Value excluding VAT: £275,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 38436100 - Mechanical shakers

II.2.3) Place of performance

NUTS codes

- UKF11 - Derby

Main site or place of performance

Nuclear AMRC (Midlands), University of Sheffield, iHub, Infinity Park, Infinity Park Way, Derbyshire, DE24 9FU

II.2.4) Description of the procurement

The University of Sheffield wishes to invite tenders for a 'Purposed Single Axis Seismic Shake Table' on behalf of the Nuclear Advanced Manufacturing Research Centre, Castings Group at Catcliffe, South Yorkshire.

Scope of Requirement

Nuclear AMRC is one of seven high value manufacturing catapult centres promoting advanced manufacturing technologies and serving the UK supply chain, mainly in nuclear sector. The equipment qualification (EQ) is critical process for systems, structures and components used in nuclear industry. To conduct innovative research and provide better service for the SMEs, Nuclear AMRC is sourcing a hydraulic, single-axis vertical stroke seismic shake table system for testing and qualifying electronic devices, small electrical sub-systems and small mechanical components with a variety of masses.

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e.g. the intention is to test a minimum 80 kg mass. There are several other requirements in the RCC-E and IEEE344 standards for different level of acceleration against different mass of components (e.g. smaller component shall be tested to 35 G). To meet the requirements of the RCC-E and IEEE344 standards, the successful supplier will provide a FAT plan prior to delivery of the seismic shake table.

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Closing date for receipt of tenders: Thursday 25th March 2021 at 12 noon (UK time).

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: £275,000

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

Duration in months

24

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

Date

25 March 2021

Local time

12:00pm

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

25 March 2021

Local time

12:45pm

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.2) Information about electronic workflows

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

VI.4) Procedures for review

VI.4.1) Review body

High Court of England, Wales and Northern Ireland

London

Country

United Kingdom