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Future opportunity

Supply, delivery and commissioning of Cryogenic Materials Tester for Super Conducting Cables

University of Strathclyde

F01: Prior information notice

Prior information only

Notice reference: 2021/S 000-029217

Published: 24 November 2021, 9:35am

Section I: Contracting authority

I.1) Name and addresses

University of Strathclyde

40 George Street, Procurement Department

Glasgow

G1 1QE

Contact

Natasha Murray

Email

natasha.murray@strath.ac.uk

Telephone

+44 1415484451

Country

United Kingdom

NUTS code

UKM82 - Glasgow City

Internet address(es)

Main address

<http://www.strath.ac.uk/>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA00113

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.3) Communication

Additional information can be obtained from the above-mentioned address

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

www.publiccontractsscotland.gov.uk

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, delivery and commissioning of Cryogenic Materials Tester for Super Conducting Cables

Reference number

UOS-21771-2021

II.1.2) Main CPV code

- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

II.1.3) Type of contract

Supplies

II.1.4) Short description

National Manufacturing Institute of Scotland (NMIS) require a cryogenic material tester for superconductors to perform tensile testing on superconducting cables under electrical load. Suppliers are asked to note their interest in this potential procurement exercise by 6th of December 2021, at which point the Contracting Authority will follow up with all interested parties.

II.1.5) Estimated total value

Value excluding VAT: £300,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 31300000 - Insulated wire and cable

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)
- 38800000 - Industrial process control equipment and remote-control equipment

II.2.3) Place of performance

NUTS codes

- UKM82 - Glasgow City

Main site or place of performance

National Manufacturing Institute of Scotland (NMIS)

II.2.4) Description of the procurement

The University require notes of interest for the below potential tender opportunity.

National Manufacturing Institute of Scotland (NMIS) require a cryogenic material tester for superconductors. This equipment is required to perform tensile testing on superconducting cables under electrical load. The testing needs to cover tensile with a temperature range of Room Temperature down to 4 Kelvin.

The machine also needs to be able to perform tensile and compression testing on non superconductor samples from RT to 4 Kelvin.

High level requirements:

- must be able to test both superconductors and perform tensile testing of regular material samples
- must have the ability to perform tensile testing of superconducting tapes, cylindrical and dog-bone samples
- must have the ability to accurately measure temperature and control the temperature ramp rate of 2K/minute covering the 4 Kelvin to room temperature range
- must be able to test superconducting materials under electrical load of 1000A DC

II.3) Estimated date of publication of contract notice

9 December 2021

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=674767.

(SC Ref:674767)