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Planning

Supply, Delivery & Commissioning of an Environmental Test Chamber

University of Strathclyde

F01: Prior information notice
Prior information only
Notice identifier: 2021/S 000-008306
Procurement identifier (OCID): ocds-h6vhtk-02a7e3
Published 20 April 2021, 10:14am

Section I: Contracting authority

I.1) Name and addresses

University of Strathclyde

40 George Street, Procurement Department

Glasgow

G1 1QE

Email

david.waddell@strath.ac.uk

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

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 & Commissioning of an Environmental Test Chamber

Reference number

UOS-18751-2020

II.1.2) Main CPV code

- 38126300 - Temperature or humidity surface observing apparatus

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Strathclyde seeks notes of interest from suppliers able to provide an Environmental Test Chamber assembly, capable of carrying out tests on a variety of power systems equipment across various sectors of industry, including Maritime, Aerospace and Transport.

This potential tender forms part of a larger expansion programme, enhancing the multi-vector energy systems capability within the Power Networks Demonstration Centre (PNDC), one of the University of Strathclyde's off-campus Research & Development facilities.

II.1.5) Estimated total value

Value excluding VAT: £150,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKM82 - Glasgow City

II.2.4) Description of the procurement

The University seeks notes of interest in a planned procurement exercise for the Supply, Delivery & Commissioning of an Environmental Test Chamber.

The University anticipates that the supplied solution will conform to the below requirements:

The potential tender is for the supply of an Environmental Test Chamber assembly capable of testing equipment under Temperature, Humidity, Pressure and Vibration conditions.

The successful supplier is expected to provide the Environmental Test Chamber and any ancillary equipment needed to meet the requirements of the tender as a turn-key solution. Including, but not limited to; Shaker plate and fixings, cooling systems, compressors, pumps, guide systems etc.

The successful supplier is expected to deliver all necessary equipment to the University, carry out all required on-site assembly and associated functional testing.

The chamber assembly should have 3m^3 of useable internal space for test equipment under Temperature, Humidity and Pressure testing

The supplier should provide a shaker plate that can accommodate test equipment up to 1m^3 and a payload of over 100kg.

The system must be capable of temperature ranges from -70C to +180C (derating acceptable for vibration testing) and a rate of change of 3C per min for heating and cooling under test conditions.

The system should be capable of relative humidity conditions from 10 to 95% in the climatic range of +10C to +85C with up to 10kw of heat dissipation.

The system should be capable of pressure ranges from 101.3 (atmospheric) up to 0.1kPa (1mbar).

The chamber assembly must have Vacuum feedthrough connectors consisting of:

-AC sockets with capability up to 200kVA (3ph + N + PE)

-DC sockets with capability up to 250A (DC+,DC-)

-Hydraulic connectors

-Fibre Optic (Aurora interface) and analogue (I/O interface) connectors.

The supplier shall provide a vibration system capable of vertical and horizontal excitation directions.

If necessary, the supplier shall provide a guide system with the Environmental Test Chamber assembly which assists in efficient and flexible installation and removal of any Device or System Under Test.

The system shall provide the ability to carry out automated programme processes as well as document and archive information via the manufacturers proprietary software (PC based).

The system shall consist of an external control system, capable of controlling and monitoring test events as well as running dynamic and historical reports via a HMI. Capability of SCADA integration is also required, to facilitate real-time control and data analysis.

The supplier/manufacturer shall provide a permanent calibration license for the Test Chamber and Vibration systems.

The supplier/manufacturer shall install and functionally test all the associated safety systems necessary to comply with the relevant machine design and safety regulations for the installation.

II.2.14) Additional information

To be involved in pre-tender engagement, interested suppliers are asked to register their interest against this notice within 5 working days of its publication.

II.3) Estimated date of publication of contract notice

10 May 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

Interested suppliers should note that this procurement exercise is a re-tender of the non-awarded lots from our earlier open procurement exercise detailed in the contract notice titled “PNDC Propulsion & Power Train Accelerator “, which was issued on 08/01/2021.

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=651276.

(SC Ref:651276)