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Tender

Integrated Control Systems Equipment and Software for Teaching and Research

UNIVERSITY OF MANCHESTER

F02: Contract notice

Notice identifier: 2021/S 000-029060

Procurement identifier (OCID): ocds-h6vhtk-02f8f3

Published 22 November 2021, 3:20pm

Section I: Contracting authority

I.1) Name and addresses

UNIVERSITY OF MANCHESTER

Room G010, John Owens Building, Oxford Road

MANCHESTER

M13 9PL

Contact

Jan Disley

Email

janet.disley@manchester.ac.uk

Telephone

+44 1612753912

Country

United Kingdom

NUTS code

UKD33 - Manchester

Internet address(es)

Main address

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

Buyer's address

<https://in-tendhost.co.uk/universityofmanchester.aspx/Home>

I.3) Communication

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

<https://in-tendhost.co.uk/universityofmanchester.aspx/Home>

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

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Integrated Control Systems Equipment and Software for Teaching and Research

Reference number

2021-1827-ICSE-AL-PC

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 wishes to appoint a Contractor as The Department of Electrical and Electronic Engineering at the University of Manchester requires high standard integrated control systems equipment and digital twin software to be used for teaching and research in the area of control systems including but not limited to continuous and discrete-time PID control, state space, system identification, multivariable control (multiple-input, multiple-output system control), model predictive control, nonlinear control, optimal control, robust control and reinforcement control. The control systems equipment must be an integrated hardware system suitable for both classical and advanced control education and research. The digital twin software for the control systems equipment and other multiple virtual digital twin software for different control systems benchmark problems are required to allow the students and researchers to design controllers and analyse control systems performance in a software simulation environment; the equipment will be located at The University of Manchester.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 48460000 - Analytical, scientific, mathematical or forecasting software package

II.2.3) Place of performance

NUTS codes

- UKD3 - Greater Manchester

Main site or place of performance

The University of Manchester

II.2.4) Description of the procurement

The Department of Electrical and Electronic Engineering at the University of Manchester requires high standard integrated control systems equipment and software to be used for teaching and research in the area of control systems. The control systems equipment must be an integrated hardware system suitable for both classical and advanced control education and research. Virtual digital twin software of the hardware is also required to allow the students and researchers to design controllers and analyse control systems performance in a software simulation environment. Furthermore, other virtual digital twin software of different control systems benchmark problems is also required to enable a wide portfolio of control systems research and teaching projects to be supervised. Multiple identical units of integrated control systems equipment are required.

II.2.5) Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

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

Start date

3 February 2022

End date

2 February 2032

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

Accelerated procedure

Justification:

Please note that the University of Manchester is running this procurement under an Open Accelerated Procedure under Regulation 27(5) of the Public Contract Regulations. This is due to the state of urgency connected with the strict requirements for the start of the project.

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

8 December 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

8 December 2021

Local time

2:00pm

Place

The University of Manchester

Information about authorised persons and opening procedure

University of Manchester staff

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

The High Court Justice of England

Stand

London

WC2A 2LL

Country

United Kingdom

VI.4.3) Review procedure

Precise information on deadline(s) for review procedures

Part 3 of the Public Contracts Regulations 2015 address the remedies available to economic

operators. The University will incorporate a minimum 10 (ten) calendar day standstill period

in accordance with Regulation 87 of the Public Contracts Regulation 2015 prior to concluding the award of any contract pursuant to this notice.