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Contract

22/SJM/075 Automation Engineering Robots, Sensors, Controls, Manufacturing

University of Portsmouth

F03: Contract award notice

Notice identifier: 2023/S 000-029446

Procurement identifier (OCID): ocds-h6vhtk-03c4f1

Published 5 October 2023, 4:45pm

Section I: Contracting authority

I.1) Name and addresses

University of Portsmouth

Winston Churchill Avenue Portsmouth Hampshire PO1 2UP

Portsmouth

Contact

Sarah McGrady

Email

procurement@port.ac.uk

Country

United Kingdom

NUTS code

UKJ31 - Portsmouth

Internet address(es)

Main address

<https://in-tendhost.co.uk/port.aspx/Tenders/Current>

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

22/SJM/075 Automation Engineering Robots, Sensors, Controls, Manufacturing

Reference number

22/SJM/075 Automation Engineering - Robots, Sensor

II.1.2) Main CPV code

- 38800000 - Industrial process control equipment and remote-control equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

Flexible manufacturing, Robotics, Sensors for teaching equipment and Control systems teaching equipment. The University of Portsmouth is seeking Teaching equipment for a newly established Robotics and Automation laboratory. This is to support delivery and practical work associated with various modules in the broader robotics and automation. The lab needs to be equipped with a range of contemporary industrial robots, with integrated controllers and variable degrees of freedom, as well as allowing students to have hands-on experience in control systems and sensor equipment. Also a flexible manufacturing system with high layout flexibility. Delivery and installation is anticipated to

take place in approx January-March 2024. To Express an Interest in this project please register on the University of Portsmouth In-Tend webpage and express an interest in this project. Please find the weblink for our webpage below: <https://in-tendhost.co.uk/port>

II.1.6) Information about lots

This contract is divided into lots: Yes

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £800,000

II.2) Description

II.2.1) Title

LOT 1 : Flexible manufacturing/automation system

Lot No

LOT 1 : Flexible manufacturing/automation system

II.2.2) Additional CPV code(s)

- 38800000 - Industrial process control equipment and remote-control equipment
- 42000000 - Industrial machinery
- 38810000 - Industrial process control equipment
- 30237475 - Electric sensors
- 35125100 - Sensors
- 42997300 - Industrial robots

II.2.3) Place of performance

NUTS codes

- UKJ31 - Portsmouth

II.2.4) Description of the procurement

Flexible Manufacturing/Automation System - Advanced (automation and/or mechatronics) industrial training system, equipped with industry 4.0 technologies, multiple functions, and relevant software, including a digital twin is sought. Specification: Mandatory technical

requirements Flexible Manufacturing/Automation system equipment must be: Representative of an advanced industrial automated manufacturing/production system Demonstrate a range of operations and functionalities to include some of the following: material flow, quality control, information flow, process control, etc. Able to demonstrate Industry 4.0 technology Be equipped with specialist software including digital twin Have a range of connectivity options A modular system occupying max floor area 2.5m x 5m When packaged (including any crates, pallets, beams or other supporting materials as well as necessary equipment to move the items) must fit through doorway: height 2000mm x width 1700mm See Specification for more details To Express an Interest in this project please register on the University of Portsmouth In-Tend webpage and express an interest in this project. Please find the weblink for our webpage below: <https://in-tendhost.co.uk/port/>

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: Yes

Description of options

Please see Tender documents

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

II.2) Description

II.2.1) Title

LOT 2 - Robots/Robot arms

Lot No

LOT 2 - Robots/Robot arms

II.2.2) Additional CPV code(s)

- 42997300 - Industrial robots
- 38810000 - Industrial process control equipment

- 35125100 - Sensors
- 30237475 - Electric sensors

II.2.3) Place of performance

NUTS codes

- UKJ31 - Portsmouth

II.2.4) Description of the procurement

Lot2: Robots/robot arms - either as standalone units or bench tops, minimum of 3 robots are needed to demonstrate a range of operations and functionalities of robotics applications in industry. Robots should be programmable and customizable and be able to support individual and group project work. We are looking for variety of Robots in terms of functionality and technical advantages and require sellers to propose options that meet the requirements below: Specification: Mandatory technical requirements Robotics equipment must: Include 3 different robots with different functionalities Each robot to be able to perform at least one of the following functionalities and operations: moving, handling, visual inspection, assembly, etc. to mimic essential industrial processes Three robots should have different max reach, but no higher than 1m Three robots should have different max payload, but no higher than 10kg Be equipped with advanced motion control systems Have a range of connectivity options Have different sizes and be able to fit all robots safely in space 5m x 2.5m When packaged (including any crates, pallets, beams or other supporting materials as well as necessary equipment to move the items) must fit through doorway: height 2000mm x width 1700mm See Specification for more details To Express an Interest in this project please register on the University of Portsmouth In-Tend webpage and express an interest in this project. Please find the weblink for our webpage below: <https://in-tendhost.co.uk/port/>

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: Yes

Identification of the project

ECE5E93D-3B5F-4AFF-87FF-31234F861457 22/SJM/075 Automation Engineering - Robots, Sensor

II.2) Description

II.2.1) Title

LOT 3 - Sensors teaching equipment

Lot No

LOT 3 - Sensors teaching equipment

II.2.2) Additional CPV code(s)

- 35125100 - Sensors
- 38810000 - Industrial process control equipment
- 30237475 - Electric sensors
- 42997300 - Industrial robots

II.2.3) Place of performance

NUTS codes

- UKJ31 - Portsmouth

II.2.4) Description of the procurement

Lot3: Sensors teaching equipment - sensor technology training system is required either as standalone units or bench top instruments, a minimum of 4 training stations are needed. Equipment should encompass different sensor types used in industry, for example: displacement, temperature, pressure, magnetic, flow rate, light, humidity. Sensors training equipment should be able to demonstrate some of the following: sensor's principle, static and dynamic characteristics of the sensors, signal conditioning and signal processing, uncertainty calculation of the measured values, and data presentation in time and frequency domains using transforms. Specification: Mandatory technical requirements Sensors equipment must be: Able to demonstrate at least three different functionalities, which may include some of the following: displacement, temperature, pressure, magnetic, flow rate, light, humidity, force, sound,. User friendly and intuitively sensors equipment is bench top kit, it must fit the area 100cm x 80cm area when used; if sensors equipment is standalone instrument it must not exceed the following dimensions 150cm x 120cm x 200cm If sensors equipment is bench top kit, it must not exceed 100 kg total weight When packaged (including any crates, pallets, beams or other

supporting materials as well as necessary equipment to move the items) must fit through doorway: height 2000mm x width 1700mm Please see spec for full details To Express an Interest in this project please register on the University of Portsmouth In-Tend webpage and express an interest in this project. Please find the weblink for our webpage below: <https://in-tendhost.co.uk/port/>

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: Yes

Identification of the project

ECE5E93D-3B5F-4AFF-87FF-31234F861457 22/SJM/075 Automation Engineering - Robots, Sensor

II.2) Description

II.2.1) Title

LOT 4 - Control systems teaching equipment

Lot No

LOT 4 - Control systems teaching equipment

II.2.2) Additional CPV code(s)

- 38810000 - Industrial process control equipment
- 35125100 - Sensors
- 30237475 - Electric sensors
- 42997300 - Industrial robots

II.2.3) Place of performance

NUTS codes

- UKJ31 - Portsmouth

II.2.4) Description of the procurement

Lot4: Control Systems teaching equipment - Control engineering training systems are required either as standalone units or benchtop instruments. A minimum of 4 training stations are needed. Equipment should encompass different control system technologies used in industry, for example: temperature, pressure, flow rate, level, etc. covering digital and/or analogue control elements. Specification: Mandatory technical requirements Control equipment must be able to demonstrate at least two different control functionalities, which may include some of the following: temperature, pressure, flow rate, level User friendly and intuitively self control equipment is bench top kit, it must fit the area 100cm x 80cm area when used; if sensors equipment is standalone instrument it must not exceed the following dimensions 150cm x 120cm x 200cm If control equipment is bench top kit, it must not exceed 100 kg total weight When packaged (including any crates, pallets, beams or other supporting materials as well as necessary equipment to move the items) must fit through doorway: height 2000mm x width 1700mm See Specification for more details To Express an Interest in this project please register on the University of Portsmouth In-Tend webpage and express an interest in this project. Please find the weblink for our webpage below: <https://in-tendhost.co.uk/port/>

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: Yes

Identification of the project

ECE5E93D-3B5F-4AFF-87FF-31234F861457 22/SJM/075 Automation Engineering - Robots, Sensor

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: No

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2023/S 000-012225](#)

Section V. Award of contract

Contract No

Reference22/SJM/075 Automation Engineering - Robots, Sensor

Lot No

1

Title

LOT 1 : Flexible manufacturing/automation system

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

5 October 2023

V.2.2) Information about tenders

Number of tenders received: 5

Number of tenders received from SMEs: 0

Number of tenders received from tenderers from other EU Member States: 5

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 5

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Didactic Services LTD

Northampton

Country

United Kingdom

NUTS code

- UKF25 - North Northamptonshire

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £280,000

Total value of the contract/lot: £320,000

Section V. Award of contract

Contract No

22/SJM/075 Automation Engineering - Robots, Sensor

Lot No

2

Title

Lot 2 - Robots/Robot arms

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

5 October 2023

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received from SMEs: 2

Number of tenders received from tenderers from other EU Member States: 4

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 4

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Flamefast UK Ltd

Warrington

Country

United Kingdom

NUTS code

- UKD6 - Cheshire

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £240,000

Total value of the contract/lot: £160,000

Section V. Award of contract

Contract No

22/SJM/075 Automation Engineering - Robots, Sensor

Lot No

3

Title

Lot 3 - Sensors teaching equipment

A contract/lot is awarded: No

V.1) Information on non-award

The contract/lot is not awarded

Other reasons (discontinuation of procedure)

Section V. Award of contract

Contract No

22/SJM/075 Automation Engineering - Robots, Sensor

Lot No

4

Title

Lot 4 - Control systems teaching equipment

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

5 October 2023

V.2.2) Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 0

Number of tenders received from tenderers from other EU Member States: 3

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 3

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Flamefast UK Ltd

Cheshire

Country

United Kingdom

NUTS code

- UKD6 - Cheshire

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £125,000

Total value of the contract/lot: £95,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

University of Portsmouth

Portsmouth

Country

United Kingdom