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Opportunity

(NU/1892) Newcastle University Flexible Power Electronics and Electric Machine Assembly Lines Dynamic Purchasing System (DPS)

Newcastle University

F02: Contract notice

Notice reference: 2023/S 000-005610

Published: 24 February 2023, 4:32pm

Section I: Contracting authority

I.1) Name and addresses

Newcastle University

Newcastle University, Procurement Services, Kingsgate

Newcastle

NE1 7RU

Contact

Mr Dave Anderson

Email

dave.anderson@ncl.ac.uk

Telephone

+44 1912085360

Country

United Kingdom

NUTS code

UKC22 - Tyneside

Internet address(es)

Main address

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

Buyer's address

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

I.3) Communication

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

<https://procontract.duenorth.com/Advert/Index?advertId=93b3301d-42b4-ed11-811f-005056b64545>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://procontract.duenorth.com/Advert/Index?advertId=93b3301d-42b4-ed11-811f-005056b64545>

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

(NU/1892) Newcastle University Flexible Power Electronics and Electric Machine Assembly Lines Dynamic Purchasing System (DPS)

Reference number

DN658001

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

The Driving the Electric Revolution (DER) is an Innovate UK (IUK) Challenge program to support UK industry to seize the economic opportunities from the global transition to clean technologies and electrification. The programme will help businesses across numerous sectors including transport, energy, construction and agriculture to invest and work together to capitalise on the UK's strengths in this technology.

The DER program vision is "To make the UK globally recognised as the centre of excellence in PEMD manufacturing processes".

As part of that program, Newcastle University has been awarded a large grant to establish a new DER Innovation Centre (DER-IC) in the North East of England. The NE DER-IC will concentrate on the prototyping and scale-up of power electronics and electric motors. This document is focussed on the assembly of electric motors and the purchase of relevant equipment for that activity.

The DPS Lots are as follows:

1. Metrology

2. Environmental Testing
3. Power Electronics Test Platform
4. Power Supplies
5. Test Enclosures
6. Encapsulation
7. Rotor Balancing

Suppliers must indicate which lots they are applying by completing the relevant technical lot questionnaire(s).

Applications to this DPS can be made by registering via the University's eTendering portal at:
<https://procontract.due-north.com/Advert/Index?advertId=93b3301d-42b4-ed11-811f-005056b64545>

The contract reference is NU/1892.

The deadline for submitting an application in Round 1 of this DPS is 14.00 GMT on Monday 27 March 2023. If you miss this Round 1 deadline, a new Round (2) will automatically open. Note that each round is then closed once a new application is received, and the next round will automatically open. This continues until the expiry date of this DPS

II.1.5) Estimated total value

Value excluding VAT: £3,000,000

II.1.6) Information about lots

This contract is divided into lots: Yes

Tenders may be submitted for all lots

II.2) Description

II.2.1) Title

Metrology equipment

Lot No

1

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UKC22 - Tyneside

II.2.4) Description of the procurement

This lot covers equipment to accurately measure physical geometry by 3D coordinates using laser sensors.

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: £450,000

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

End date

31 December 2024

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

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

Environmental Testing Equipment

Lot No

2

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UKC22 - Tyneside

II.2.4) Description of the procurement

This Lot covers all equipment to upgrade an existing thermal test chamber to include humidity.

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: £150,000

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

End date

31 December 2024

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

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

Power Electronics Test Platform

Lot No

3

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UKC22 - Tyneside

II.2.4) Description of the procurement

The Lot covers all equipment for the high performance test of power electronic devices, modules and circuits under conditions of power cycling and thermal cycling.

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: £250,000

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

End date

31 December 2024

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

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

Power Supplies Equipment

Lot No

4

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UKC22 - Tyneside

II.2.4) Description of the procurement

This Lot covers all power supplies to provide highly controllable input and loading to power electronic circuits and systems of the types used in automotive applications.

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: £575,000

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

End date

31 December 2024

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

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

Test Enclosures

Lot No

5

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UKC22 - Tyneside

II.2.4) Description of the procurement

This Lot covers all enclosures to provide temperature controlled environments, acoustic damping, mechanical containment, fire retardation, and fume extraction.

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: £775,000

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

End date

31 December 2024

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

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

Encapsulation Equipment

Lot No

6

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UKC22 - Tyneside

II.2.4) Description of the procurement

This Lot covers all equipment to dispense encapsulants, including under vacuum, for power electronics and electrical machines applications.

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: £600,000

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

End date

31 December 2024

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

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

Rotor Balancing Equipment

Lot No

7

II.2.2) Additional CPV code(s)

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

II.2.3) Place of performance

NUTS codes

- UKC22 - Tyneside

II.2.4) Description of the procurement

This Lot covers all equipment to upgrade an existing unbalance measurement system to include on-board balancing capability.

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: £200,000

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

End date

31 December 2024

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

II.2.13) Information about European Union Funds

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

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Restricted 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

27 December 2024

Local time

4:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.3) Additional information

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VI.4) Procedures for review

VI.4.1) Review body

Newcastle University

Newcastle upon Tyne

Country

United Kingdom

VI.4.3) Review procedure

Precise information on deadline(s) for review procedures

The University will incorporate a standstill period at the point information on the award of the contract is communicated to tenderers. That notification will provide full information on the award decision. The standstill period, which will be for a minimum of 10 calendar days, provides time for unsuccessful tenderers to challenge the award decision before the contract is entered into.

The Public Contracts Regulations 2015 (SI 2015 No 102) provide for aggrieved parties who have been harmed or are at risk of harm by a breach of the rules to take action in the High Court (England, Wales and Northern Ireland) within 30 days of knowledge or constructive knowledge of breach.