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Tender

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

Newcastle University

F02: Contract notice

Notice identifier: 2023/S 000-005610

Procurement identifier (OCID): ocds-h6vhtk-03abf3

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](mailto:dave.anderson@ncl.ac.uk)

#### **Telephone**

+44 1912085360

**Country**

United Kingdom

**Region 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.due-north.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.due-north.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

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## **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

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## **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

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## **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.