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Tender

ALIGN Laser CubeSat UKSA NSIP Phase 3 - Lot 2 - Satellite components

Northumbria University

F02: Contract notice
Notice identifier: 2023/S 000-032612
Procurement identifier (OCID): ocds-h6vhtk-03cd72
Published 3 November 2023, 2:05pm

Section I: Contracting authority

I.1) Name and addresses

Northumbria University

Sutherland Building, College Street, Newcastle upon Tyne

Newcastle upon Tyne

NE1 8ST

Contact

Alex Lyubych

Email

alex.lyubych@northumbria.ac.uk

Telephone

+44 7936036553

Country

United Kingdom

Region code

UKC - North East (England)

Internet address(es)

Main address

https://www.northumbria.ac.uk

I.3) Communication

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

https://www.delta-esourcing.com/tenders/UK-UK-Newcastle-upon-Tyne:-Satellites./W8N27AVPAC

Additional information can be obtained from another address:

Northumbria University of Newcastle

Sutherland Building,, College Street

Newcastle upon Tyne

NE1 8ST

Email

alex.lyubych@northumbria.ac.uk

Country

United Kingdom

Region code

UKC - North East (England)

Internet address(es)

Main address

https://www.northumbria.ac.uk/

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

ALIGN Laser CubeSat UKSA NSIP Phase 3 - Lot 2 - Satellite components

Reference number

T23/0048

II.1.2) Main CPV code

- 34712200 - Satellites

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University team is completing the build of three 6U CubeSats as part of a technology demonstration mission funded by the UK Space Agency. This mission will see the launch of two 6U CubeSats into a sun-synchronous Low Earth Orbit (expected 450 km altitude) in

2026/7. The third 6U CubeSat is our reference model. The payload being developed for assembly integration and testing within the 6U CubeSat bus is a 2U laser communications terminal. The mission goal will be to demonstrate inter-satellite laser optical communications across a range of link lengths up to 1000 km and at least 1 Gbps data transfer rates between the 6U CubeSats. There will be a requirement for a number of ground-passes for frequent data downlink of the experimental results log files and the mission is anticipated to last for 1 year, including a deorbit final stage. Satellite parts and modelling analysis services.

II.1.5) Estimated total value

Value excluding VAT: £260,000

II.1.6) Information about lots

This contract is divided into lots: Yes

Tenders may be submitted for all lots

Maximum number of lots that may be awarded to one tenderer: 2

The contracting authority reserves the right to award contracts combining the following lots or groups of lots:

Lot 1 - CubeSat Parts and Lot 2 - Satellite components

II.2) Description

II.2.1) Title

CubeSat Parts

Lot No

One

II.2.2) Additional CPV code(s)

- 32531000 - Satellite communications equipment
- 32533000 - Satellite earth stations
- 32534000 - Satellite platforms

- 34712200 - Satellites
- 35631200 - Observation satellites

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

Main site or place of performance

NORTH EAST (ENGLAND)

II.2.4) Description of the procurement

We are completing the build of three 6U CubeSats as part of a technology demonstration mission funded by the UK Space Agency. This mission will see the launch of two 6U CubeSats into a sun-synchronous Low Earth Orbit (expected 450 km altitude) in 2026/7. The third 6U CubeSat is our reference model. The payload being developed for assembly integration and testing within the 6U CubeSat bus is a 2U laser communications terminal. The mission goal will be to demonstrate inter-satellite laser optical communications across a range of link lengths up to 1000 km and at least 1 Gbps data transfer rates between the 6U CubeSats. There will be a requirement for a number of ground-passes for frequent data downlink of the experimental results log files and the mission is anticipated to last for 1 year, including a deorbit final stage. CubeSat parts.

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: £108,000

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

Duration in months

12

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

Satellite components

Lot No

2

II.2.2) Additional CPV code(s)

- 32324310 - Satellite antennas
- 32530000 - Satellite-related communications equipment
- 32531000 - Satellite communications equipment
- 32533000 - Satellite earth stations
- 32534000 - Satellite platforms
- 34712200 - Satellites
- 35631100 - Communication satellites
- 35631200 - Observation satellites

- 35631300 - Navigation satellites
- 60510000 - Satellite launch services

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

Main site or place of performance

NORTH EAST (ENGLAND)

II.2.4) Description of the procurement

We are completing the build of three 6U CubeSats as part of a technology demonstration mission funded by the UK Space Agency. This mission will see the launch of two 6U CubeSats into a sun-synchronous Low Earth Orbit (expected 450 km altitude) in 2026/7. The third 6U CubeSat is our reference model. The payload being developed for assembly integration and testing within the 6U CubeSat bus is a 2U laser communications terminal. The mission goal will be to demonstrate inter-satellite laser optical communications across a range of link lengths up to 1000 km and at least 1 Gbps data transfer rates between the 6U CubeSats. There will be a requirement for a number of ground-passes for frequent data downlink of the experimental results log files and the mission is anticipated to last for 1 year, including a deorbit final stage. As well as modelling analysis services.

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: £260,000

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

Duration in months

12

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.2.14) Additional information

To respond to this opportunity please click here: https://www.delta-esourcing.com/respond/W8N27AVPAC

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions

There are requirements for the parts to be space-qualified.

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

III.2) Conditions related to the contract

III.2.2) Contract performance conditions

Intended for the space environment, temperature resilience, vacuum resistance, radiation durability, and ability to function in zero gravity.

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: Yes

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: 2023/S 000-014168

IV.2.2) Time limit for receipt of tenders or requests to participate

Date

5 December 2023

Local time

1:00pm

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

5 December 2023

Local time

1:00pm

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.3) Additional information

For more information about this opportunity, please visit the Delta eSourcing portal at:

https://www.delta-esourcing.com/tenders/UK-UK-Newcastle-upon-Tyne:-Satellites./W8N27AVPAC

To respond to this opportunity, please click here:

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GO Reference: GO-2023113-PRO-24340234

VI.4) Procedures for review

VI.4.1) Review body

Northumbria University at Newcastle

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