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Tender

## **UKRI-1119 PS OPCPA Pump Laser**

UK Research & Innovation

F02: Contract notice

Notice identifier: 2021/S 000-000698

Procurement identifier (OCID): ocds-h6vhtk-028a0e

Published 13 January 2021, 4:32pm

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

UK Research & Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FF

#### **Contact**

Laura Lewis

#### **Email**

[laura.lewis@ukri.org](mailto:laura.lewis@ukri.org)

#### **Telephone**

+44 1235446553

#### **Country**

United Kingdom

**NUTS code**

UK - UNITED KINGDOM

**National registration number**

United Kingdom

**Internet address(es)**

Main address

[www.ukri.org](http://www.ukri.org)

Buyer's address

[www.ukri.org](http://www.ukri.org)

**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-Swindon:-Laboratory%2C-optical-and-precision-equipments-%28excl.-glasses%29./UW27326C28>

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**

Other activity

Research

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

UKRI-1119 PS OPCPA Pump Laser

Reference number

UKRI-1119

#### **II.1.2) Main CPV code**

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

UKRI, the contracting authority, wishes to purchase a minimum of one laser system that will be used as the pump for a picosecond OPCPA pre-amplifier that will provide amplified pulses with an energy of up to 2mJ, as part of the EPAC Project. The minimum scope of the contract is for the supply of one laser system, with the ability to purchase up to an additional two laser systems at a later date.

#### **II.1.5) Estimated total value**

Value excluding VAT: £1,200,000

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

#### **II.2.3) Place of performance**

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

Oxfordshire

#### **II.2.4) Description of the procurement**

The Science and Technology Facilities Council (STFC), a component Research Council of UK Research and Innovation (UKRI), is a world-leading multi-disciplinary science organisation, whose goal is to deliver economic, societal, scientific and international benefits to the UK and its people — and more broadly to the world.

Building work is currently underway at UKRI's Rutherford Appleton Laboratory (RAL) site for the EPAC (Extreme Photonics and Applications Centre) facility. EPAC will be applied to short pulse high power applications with its 10 Hertz Petawatt Laser. This will provide a step-change in capabilities for laser-driven accelerator research in the UK, enabling a plasma wakefield accelerator facility with multi-GeV electron beams and spatially coherent X-ray and gamma-ray beams for cutting edge experiments in plasma physics, laboratory astrophysics and condensed matter and material science. EPAC will bring together world-leading interdisciplinary expertise to develop and apply novel, laser based, non-conventional accelerators and particle sources which have unique properties.

UKRI, the contracting authority, wishes to purchase a minimum of one laser system that will be used as the pump for a picosecond OPCPA pre-amplifier that will provide amplified pulses with an energy of up to 2mJ, as part of the EPAC Project. The minimum scope of the contract is for the supply of one laser system, with the ability to purchase up to an additional two laser systems at a later date.

#### **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: £1,200,000

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

Duration in months

48

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: Yes

Description of options

The minimum scope of the contract is for one amplifier for use in a high energy laser amplifier system as part of the Extreme Photonics Applications Centre (EPAC) Project, to the specifications detailed. Options are included for the ability to purchase up to an additional two laser diode pump systems at a later date.

The estimated value for one laser diode pump system is GBP 260,000.00 - 300,000.00 ex-VAT for the initial purchase.

Including the options for up to an additional two laser diode pump systems, the total estimated value of the opportunity is GBP 1,200,000.00 ex-VAT.

### **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-sourcing.com/respond/UW27326C28>

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## **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

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

Date

18 February 2021

#### **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

18 February 2021

Local time

2:00pm

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **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-Swindon:-Laboratory%2C-optical-and-precision-equipments-%28excl.-glasses%29./UW27326C28>

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GO Reference: GO-2021113-PRO-17636167

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

UK Research & Innovation

Polaris House, North Star Avenue

Swindon

SN2 1FF

Telephone

+44 1235446553

Country

United Kingdom