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Award

# CHIMERA High Heat Flux System Laser Procurement

United Kingdom Atomic Energy Authority

F15: Voluntary ex ante transparency notice
Notice identifier: 2021/S 000-028349
Procurement identifier (OCID): ocds-h6vhtk-02eaf2
Published 12 November 2021, 2:10pm

## Section I: Contracting authority/entity

### I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

**Contact**

Phil Perkins

**Email**

phil.perkins@ukaea.uk

**Telephone**

+44 1235466213

**Country**

United Kingdom

**NUTS code**

UKJ14 - Oxfordshire

**National registration number**

N/A

**Internet address(es)**

Main address

http://www.gov.uk/government/organisations/uk-atomic-energy-authority

Buyer's address

https://uk.eu-supply.com/ctm/Company/CompanyInformation/Index/72814

## I.4) Type of the contracting authority

Body governed by public law

## I.5) Main activity

Other activity

Fusion Research

# Section II: Object

## II.1) Scope of the procurement

### II.1.1) Title

CHIMERA High Heat Flux System Laser Procurement

Reference number

T/PJP223/21

### II.1.2) Main CPV code

- 09300000 - Electricity, heating, solar and nuclear energy

### II.1.3) Type of contract

Supplies

### II.1.4) Short description

UKAEA requires a 125kW fibre laser system for integration into the CHIMERA test facility.

This is to provide the capability for testing prototype fusion reactor components under “high heat flux”, in the region of 10s of MW/m2, or even “very high heat flux”, in the region of 100s of MW/m2. We require the ability to apply high heat flux for long periods or for short well-defined pulses. This functionality enables tests of prototype fusion reactor wall components and the ability to simulate certain fusion plasma extreme transient events, which are thought to be a high risk for the fusion programme including the now under-construction ITER experiment.

### II.1.6) Information about lots

This contract is divided into lots: No

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

Value excluding VAT: £2,500,000

## II.2) Description

### II.2.2) Additional CPV code(s)

- 09324000 - Long-distance heating

- 31712348 - Laser diodes
- 38600000 - Optical instruments
- 38621000 - Fibre-optic apparatus
- 38636100 - Lasers
- 38636110 - Industrial lasers
- 39715200 - Heating equipment
- 45214630 - Scientific installations
- 45315000 - Electrical installation work of heating and other electrical building-equipment
- 51000000 - Installation services (except software)
- 51110000 - Installation services of electrical equipment
- 51230000 - Installation services of testing equipment
- 51430000 - Installation services of laboratory equipment
- 71350000 - Engineering-related scientific and technical services
- 71356000 - Technical services
- 71900000 - Laboratory services
- 73000000 - Research and development services and related consultancy services
- 73200000 - Research and development consultancy services
- 90721600 - Radiation protection services

### II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

### II.2.4) Description of the procurement

UKAEA requires a 125kW fibre laser system for integration into the CHIMERA test facility.

This is to provide the capability for testing prototype fusion reactor components under “high heat flux”, in the region of 10s of MW/m2, or even “very high heat flux”, in the region of 100s of MW/m2. We require the ability to apply high heat flux for long periods or for short well-defined pulses. This functionality enables tests of prototype fusion reactor

wall components and the ability to simulate certain fusion plasma extreme transient events, which are thought to be a high risk for the fusion programme including the now under-construction ITER experiment.

**II.2.11) Information about options**

Options: Yes

Description of options

Option to extend 3 year warranty for further 2 years.

**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

Negotiated without a prior call for competition

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
    - absence of competition for technical reasons

Explanation:

UKAEA issued a PIN (as referenced in this notice) for the requirement and received only one response from IPG. No other economic operator expressed interest in the PIN and UKAEA has concluded that the very specialist technical requirements may only be met by IPG.

We therefor have elected to use the negotiated procedure without prior publication on the basis of 32(2)b(ii).

### 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: 2021/S 000-025477

# Section V. Award of contract/concession

## Contract No

Contract not awarded yet

## Title

CHIMERA High Heat Flux System Laser

A contract/lot is awarded: Yes

## V.2) Award of contract/concession

### V.2.1) Date of conclusion of the contract

12 November 2021

### V.2.2) Information about tenders

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

### V.2.3) Name and address of the contractor/concessionaire

IPG Laser GmbH

Carl-Benz-Strasse 28,

Burbach

57299

Country

Germany

NUTS code

- DE7 - Hessen

The contractor/concessionaire is an SME

No

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

Total value of the contract/lot/concession: 2,500,000 EUR

## Section VI. Complementary information

### VI.4) Procedures for review

#### VI.4.1) Review body

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

https://www.gov.uk/government/organisations/uk-atomic-energy-authority

#### VI.4.2) Body responsible for mediation procedures

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

https://www.gov.uk/government/organisations/uk-atomic-energy-authority

#### VI.4.3) Review procedure

Precise information on deadline(s) for review procedures

VI.4.2)Body responsible for mediation procedures

VI.4.3)Review procedure

Precise information on deadline(s) for review procedures:

The authority will incorporate a minimum 10 calendar day standstill period at the point information on the award of the contract is communicated to tenderers.

This period allows unsuccessful tenderers to seek further debriefing from the authority before a contract is entered into applicants have 2 working days from the notification of the award decision to request. Additional debriefing and that information have to be provided within a minimum of 3 working days before the expiry of the standstill period. Such additional information should be sought from the contact named in this notice.

If an appeal regarding the award of a contract has not been successfully resolved, 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).

Any such action must be brought promptly.

(generally within 3 months).

**VI.4.4) Service from which information about the review procedure may be obtained**

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

https://www.gov.uk/government/organisations/uk-atomic-energy-authority