Tender

H3AT Isotope Separation System

United Kingdom Atomic Energy Authority

F02: Contract notice
Notice identifier: 2021/S 000-016125
Procurement identifier (OCID): ocds-h6vhtk-02c66f
Published 9 July 2021, 4:08pm

Section I: Contracting authority

I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Contact

Abigail Woods

Email

abigail.woods@ukaea.uk

Country

United Kingdom

NUTS code

UKJ1 - Berkshire, Buckinghamshire and 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.3) Communication

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

https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=38731&B=UK

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=38731&B=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

Other activity

Fusion Research

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

H3AT Isotope Separation System

Reference number

T/AW109/21

II.1.2) Main CPV code

- 42123300 - Compressors for refrigerating equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Isotope Separation System (ISS) is a sub-system of the H3AT Facility ITER-like Tritium Loop, designed to separate hydrogen isotope gas mixtures by cryogenic distillation. It will take mixed hydrogen isotopes from the Hydrogen Purification System and protium from the Water Detritiation system, to produce isotope streams to suit ITER, DEMO and H3AT research requirements. This sub-system will feed tritium and deuterium to the Storage and Distribution System and protium to the Water Detritation System. This system will comprise 4 cryogenic distillation columns, cold box, valve box, packed bed reactors (equilibriators), expansion vessels and refrigeration plant.

II.1.5) Estimated total value

Value excluding VAT: £5,800,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42123300 - Compressors for refrigerating equipment

- 42510000 - Heat-exchange units, air-conditioning and refrigerating equipment, and filtering machinery
- 42511000 - Heat-exchange units and machinery for liquefying air or other gases
- 42511100 - Heat-exchange units
- 42511110 - Heat pumps
- 42511200 - Machinery for liquefying air or other gases
- 42910000 - Distilling, filtering or rectifying apparatus
- 51100000 - Installation services of electrical and mechanical equipment
- 51110000 - Installation services of electrical equipment
- 51112000 - Installation services of electricity distribution and control equipment
- 51112100 - Installation services of electricity distribution equipment
- 51112200 - Installation services of electricity control equipment
- 51120000 - Installation services of mechanical equipment
- 51230000 - Installation services of testing equipment
- 51430000 - Installation services of laboratory equipment
- 51500000 - Installation services of machinery and equipment
- 51510000 - Installation services of general-purpose machinery and equipment
- 51800000 - Installation services of metal containers
- 51810000 - Installation services of tanks
- 71300000 - Engineering services
- 71320000 - Engineering design services
- 71323000 - Engineering-design services for industrial process and production
- 71330000 - Miscellaneous engineering services
- 71333000 - Mechanical engineering services
- 71334000 - Mechanical and electrical engineering services
- 71335000 - Engineering studies
- 71336000 - Engineering support services

- 71340000 - Integrated engineering services
- 71350000 - Engineering-related scientific and technical services
- 73000000 - Research and development services and related consultancy services
- 73100000 - Research and experimental development services
- 73300000 - Design and execution of research and development
- 73430000 - Test and evaluation

II.2.3) Place of performance

NUTS codes

- UKJ1 - Berkshire, Buckinghamshire and Oxfordshire

II.2.4) Description of the procurement

The Isotope Separation System (ISS) is a sub-system of the H3AT Facility ITER-like Tritium Loop, designed to separate hydrogen isotope gas mixtures by cryogenic distillation. It will take mixed hydrogen isotopes from the Hydrogen Purification System and protium from the Water Detritiation system, to produce isotope streams to suit ITER, DEMO and H3AT research requirements. This sub-system will feed tritium and deuterium to the Storage and Distribution System and protium to the Water Detritation System. This system will comprise 4 cryogenic distillation columns, cold box, valve box, packed bed reactors (equilibriators), expansion vessels and refrigeration plant.

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: £5,800,000

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

Start date

13 August 2021

End date

31 December 2021

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 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

Refer to Procurement Documents for information.

III.1.2) Economic and financial standing

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

III.1.3) Technical and professional ability

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

III.2) Conditions related to the contract

III.2.2) Contract performance conditions

Refer to Procurement Documents for information.

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Innovation partnership

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: No

IV.2) Administrative information

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

Date

13 August 2021

Local time

12:00pm

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

Tender must be valid until: 30 April 2022

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

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