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Contract

Small Scale Experiments for Tritium Breeding (SSETB)

United Kingdom Atomic Energy Authority

F03: Contract award notice

Notice identifier: 2025/S 000-004133

Procurement identifier (OCID): ocds-h6vhtk-04b30f

Published 7 February 2025, 11:31am

Section I: Contracting authority

I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Campus

Abingdon

OX14 3DB

Contact

Carl Evans

Email

Carl.Evans@ukaea.uk

Country

United Kingdom

Region 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

Small Scale Experiments for Tritium Breeding (SSETB)

Reference number

T/LB161/24

II.1.2) Main CPV code

- 73000000 - Research and development services and related consultancy services

II.1.3) Type of contract

Services

II.1.4) Short description

A programme of four scientific experiments in the field of Tritium Breeding.

II.1.6) Information about lots

This contract is divided into lots: Yes

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

Value excluding VAT: £8,197,817.47

II.2) Description

II.2.1) Title

Lot 1 Solid lithium ceramics

Lot No

1

II.2.2) Additional CPV code(s)

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

II.2.4) Description of the procurement

A research programme to address a critical aspect of the tritium breeding technology based on solid lithium ceramics. Delivery of a small-scale experiment or other project, preferably based on an existing experimental or other capability.

II.2.5) Award criteria

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

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

Refer to the ITT.

II.2) Description

II.2.1) Title

Lot 2 Lithium in liquid phase

Lot No

2

II.2.2) Additional CPV code(s)

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

II.2.3) Place of performance

NUTS codes

- UKK - South West (England)
- UKJ14 - Oxfordshire

II.2.4) Description of the procurement

Aa research programme to address a critical aspect of the tritium breeding technology based on the use of lithium in liquid phase (either as a pure metal or as part of

mixture/eutectic) as the breeding material (and potential the tritium carrier medium). Delivery of a small-scale experiment or other project, preferably based on an existing experimental or other capability within your organisation, that could support the fusion community to develop in future larger breeder experiments.

II.2.5) Award criteria

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

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

Refer to the ITT.

II.2) Description

II.2.1) Title

Lot 3 Molten salt of lithium

Lot No

3

II.2.2) Additional CPV code(s)

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

II.2.4) Description of the procurement

A research programme to address a critical aspect of the tritium breeding technology based on the use of a molten salt of lithium for the breeding and neutron-moderating material. Delivery of a small-scale experiment or other project, preferably based on an existing experimental or other capability within your organisation.

II.2.5) Award criteria

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

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

Refer to the ITT.

II.2) Description

II.2.1) Title

Lot 4 Digital Simulation and modelling

Lot No

4

II.2.2) Additional CPV code(s)

- 73110000 - Research services
- 73200000 - Research and development consultancy services
- 73210000 - Research consultancy services

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire
- UKJ - South East (England)

II.2.4) Description of the procurement

A research programme to address a critical aspect of the tritium breeding technology based on the use of Digital Simulation and Modelling of a Neutron Source, the breeding in a range of materials, neutron-moderating materials and geometries pertinent to the three technology families in the above lots. Delivery of a small-scale in-silico experimental project, preferably based on an existing computational science or other capability within your organisation, that could support the fusion community

II.2.5) Award criteria

Quality criterion - Name: Quality Questionnaire / Weighting: 100

Price - Weighting: 0

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

Refer to the ITT.

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: [2024/S 000-035382](#)

Section V. Award of contract

Contract No

1

Lot No

1

Title

Lot 1 Solid lithium ceramics

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

Astral Systems

Unit H5 Boscombe Business Park, Severn Road

Hallen

BS10 7SB

Email

talmon@astralsystems.com

Telephone

+44 78589433632

Country

United Kingdom

NUTS code

- UKK1 - Gloucestershire, Wiltshire and Bristol/Bath area

National registration number

13376789

The contractor is an SME

Yes

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

Total value of the contract/lot: £3,104,900.88

Section V. Award of contract

Contract No

2

Lot No

1

Title

Lot 1 Solid lithium ceramics

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

Lancaster University

University House

Lancaster

LA1 4YW

Email

m.bowen1@lancaster.ac.uk

Country

United Kingdom

NUTS code

- UKD4 - Lancashire

National registration number

GB 604 688379

The contractor is an SME

No

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

Total value of the contract/lot: £3,104,900.88

Section V. Award of contract

Contract No

3

Lot No

1

Title

Lot 1 Solid lithium ceramics

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

Oxford Sigma

Oxford Centre For Innovation

Oxford

OX1 1BY

Email

thomas.davis@oxfordsigma.com

Telephone

+44 01865509665

Country

United Kingdom

NUTS code

- UKJ1 - Berkshire, Buckinghamshire and Oxfordshire

National registration number

11874768

Internet address

<http://www.oxfordsigma.com>

The contractor is an SME

Yes

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

Total value of the contract/lot: £3,104,900.88

Section V. Award of contract

Contract No

4

Lot No

1

Title

Lot 1 Solid lithium ceramics

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 4

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

University of Birmingham

90 Vincent Drive, Edgbaston

Birmingham

B15 2TT

Email

k.reynolds@bham.ac.uk

Telephone

+44 1214148534

Country

United Kingdom

NUTS code

- UKG3 - West Midlands

National registration number

GB 729 8561 87

Internet address

<http://www.birmingham.ac.uk/isu>

The contractor is an SME

No

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

Total value of the contract/lot: £3,104,900.88

Section V. Award of contract

Contract No

5

Lot No

2

Title

Lot 2 Lithium in liquid phase

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 2

Number of tenders received by electronic means: 2

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

V.2.3) Name and address of the contractor

Kyoto Fusioneering

5-24 Gokashohirano

Uji-city, Kyoto

6110011

Email

r.pearson@kyotofusioneering.com

Telephone

+44 7775677396

Country

United Kingdom

NUTS code

- UKJ1 - Berkshire, Buckinghamshire and Oxfordshire

National registration number

n/a

The contractor is an SME

Yes

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

Total value of the contract/lot: £1,529,631.31

Section V. Award of contract

Contract No

6

Lot No

2

Title

Lot 2 Lithium in liquid phase

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 2

Number of tenders received by electronic means: 2

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

V.2.3) Name and address of the contractor

Tokamak Energy

173 Brook Drive

ABINGDON

OX14 4SD

Email

tom.srawley@tokamakenergy.co.uk

Telephone

+44 1235426987

Country

United Kingdom

NUTS code

- UKJ1 - Berkshire, Buckinghamshire and Oxfordshire

National registration number

07054929

The contractor is an SME

Yes

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

Total value of the contract/lot: £1,529,631.31

Section V. Award of contract

Contract No

7

Title

Lot 3 Molten salt of lithium

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received by electronic means: 1

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

V.2.3) Name and address of the contractor

University of Edinburgh

Old College, South Bridge

Edinburgh

EH8 9YL

Email

prop-admin@lists.ed.ac.uk

Telephone

+44 1316509011

Country

United Kingdom

NUTS code

- UKM9 - Southern Scotland

National registration number

N/A

The contractor is an SME

No

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

Total value of the contract/lot: £800,000

Section V. Award of contract

Contract No

8

Lot No

4

Title

Lot 4 Digital Simulation and modelling

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 5

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

Amentum Clean Energy Limited (formerly Jacobs Clean Energy Limited)

305 Bridgewater Place Birchwood Park

Warrington

WA3 6XG

Email

Katie.Styer@jacobs.com

Telephone

+44 1189467559

Country

United Kingdom

NUTS code

- UKD3 - Greater Manchester

National registration number

01120437

Internet address

<http://https://www.amentum.com/>

The contractor is an SME

No

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

Total value of the contract/lot: £2,763,295.28

Section V. Award of contract

Contract No

9

Lot No

4

Title

Lot 4 Digital Simulation and modelling

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 5

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

Bangor University - Nuclear Futures Institute

Bangor Universit

Bangor

LL57 2DG

Email

preaward@bangor.ac.uk

Telephone

+44 248351151

Country

United Kingdom

NUTS code

- UKL - Wales

National registration number

GB 728 8856 74

The contractor is an SME

No

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

Total value of the contract/lot: £2,763,295.28

Section V. Award of contract

Contract No

10

Lot No

4

Title

Lot 4 Digital Simulation and modelling

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 5

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

IDOM UK Limited

Unit 17g The Leathermarket

London

SE1 3QB

Email

vbhavsar@idom.com

Telephone

+44 2073975430

Country

United Kingdom

NUTS code

- UKI7 - Outer London – West and North West

National registration number

773 6502 17

Internet address

<http://www.idom.com>

The contractor is an SME

Yes

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

Total value of the contract/lot: £2,763,295.28

Section V. Award of contract

Contract No

11

Lot No

4

Title

Lot 4 Digital Simulation and modelling

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

17 January 2025

V.2.2) Information about tenders

Number of tenders received: 5

Number of tenders received by electronic means: 4

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

V.2.3) Name and address of the contractor

Materials, University of Manchester

Oxford Road

manchester

M13 9PL

Email

aneeqa.khan@manchester.ac.uk

Country

United Kingdom

NUTS code

- UKD33 - Manchester

National registration number

GB 849 738 956

The contractor is an SME

No

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

Total value of the contract/lot: £2,763,295.28

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

UK Atomic Energy Authority

Culham Campus

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 Campus

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 Campus

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

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