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Tender

Design and Build Framework

UK Atomic Energy Authority

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-031004

Procurement identifier (OCID): ocds-h6vhtk-054574

Published 9 June 2025, 3:07pm

Scope

Reference

T_TM203_24 FF_IC

Description

This Procurement Project is to create a Framework for the delivery of future projects relating to the Fusion Futures programme. This Framework is designed for the Fusion Futures Industry Capability programme but not limited to it. There was a PIN published under PCR15 under EU-supply reference: 94938. The Notice can be found on Find a Tender, Procurement identifier (OCID): ocds-h6vhtk-04d46b. This cannot be linked to this Tender due to technical issues with the e-sender therefore we are providing the information in this way. A UK1 - Pipeline notice was published under PA23. The Notice can be found on Find a Tender, Procurement identifier (OCID): ocds-h6vhtk-050427. This also cannot be linked to this Tender due to technical issues with the e-sender therefore we are providing the information in this way.

Commercial tool

Establishes a framework

Total value (estimated)

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Above the relevant threshold

Contract dates (estimated)

- 31 July 2025 to 31 July 2026
- 1 year, 1 day

Main procurement category

Services

CPV classifications

- 42150000 - Nuclear reactors and parts
- 35113210 - Nuclear safety equipment
- 38940000 - Nuclear evaluation instruments
- 45251111 - Construction work for nuclear reactors

- 71320000 - Engineering design services
 - 98113100 - Nuclear safety services
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Lot LOT-0001. Design and Build Framework

Description

This Procurement Project is to create a Framework for the delivery of future projects relating to the Fusion Futures programme. This Framework is designed for the Fusion Futures Industry Capability programme but not limited to it.

Lot value (estimated)

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

Same for all lots

CPV classifications and contract dates are shown in the Scope section, because they are the same for all lots.

Lot LOT-0002. Design & Build Framework Lot 2: Component Design, Build & System Integration

Description

This lot focuses on the design, manufacturing, and integration of high-performance components and systems for fusion applications. It includes the development of mechanical, electrical, and thermal components, their assembly into working subsystems, and their integration into larger operational frameworks. Given the extreme conditions of fusion environments, this work requires advanced materials, precision engineering, and compliance with stringent safety and performance standards.

Lot value (estimated)

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

Same for all lots

CPV classifications and contract dates are shown in the Scope section, because they are the same for all lots.

Lot LOT-0003. Design & Build Framework Lot 3: Prototype & Rig Design and Build

Description

This lot focuses on the design, development, and testing of prototype systems and experimental rigs that support fusion research. It includes the creation of test beds for validating new technologies, experimental setups for component qualification, and prototype systems that could be scaled into operational fusion reactors. This category is crucial for bridging the gap between theoretical research and practical application in fusion energy development.

Lot value (estimated)

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

Same for all lots

CPV classifications and contract dates are shown in the Scope section, because they are the same for all lots.

Lot LOT-0004. Design & Build Framework Lot 4: Design and Build Digital & Control Systems

Description

This lot focuses on the design, development, and integration of digital, IT, and control systems for fusion applications. It includes software development, real-time control frameworks, high-performance computing (HPC), automation, and advanced data processing for fusion reactor operations. These systems are crucial for optimizing plasma control, ensuring operational safety, and enabling remote monitoring of fusion experiments.

Lot value (estimated)

- £7,916,667 excluding VAT
- £9,500,000 including VAT

Framework lot values may be shared with other lots

Same for all lots

CPV classifications and contract dates are shown in the Scope section, because they are the same for all lots.

Framework

Maximum number of suppliers

Unlimited

Maximum percentage fee charged to suppliers

0%

Framework operation description

Direct award Mini Competition

Award method when using the framework

Either with or without competition

Contracting authorities that may use the framework

Establishing party only

Submission

Enquiry deadline

13 June 2025, 4:00pm

Tender submission deadline

4 July 2025, 11:59pm

Submission address and any special instructions

https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=94413&B=

Tenders may be submitted electronically

Yes

Languages that may be used for submission

English

Award decision date (estimated)

19 July 2025

Award criteria

Name	Description	Type
See Tender Pack	See Tender Pack	Quality

Weighting description

See Tender Pack

Other information

Payment terms

To be completed at the project level

Description of risks to contract performance

To be completed at the project level

Applicable trade agreements

- Government Procurement Agreement (GPA)

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Open procedure

Contracting authority

UK Atomic Energy Authority

- Public Procurement Organisation Number: PLJV-1169-JTDD

Culham Science Centre

Oxfordshire

OX14 3DB

United Kingdom

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

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government