

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/023363-2022>

Planning

## **T/SP049/22 STEP Engineering Partner: Whole Plant Engineering Design and Delivery PIN 1**

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-023363

Procurement identifier (OCID): ocds-h6vhtk-0361bf

Published 22 August 2022, 5:42pm

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

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

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

#### **Contact**

Sarah Palmer

#### **Email**

[sarah.palmer@ukaea.uk](mailto:sarah.palmer@ukaea.uk)

#### **Telephone**

+44 1235467082

**Country**

United Kingdom

**NUTS code**

UK - United Kingdom

**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=51999&B=UKAEA](https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=51999&B=UKAEA)

Additional information can be obtained from 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**

T/SP049/22 STEP Engineering Partner: Whole Plant Engineering Design and Delivery PIN 1

Reference number

T/SP049/22

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

- 71300000 - Engineering services

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

Services

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

The current phase of the STEP programme (Tranche 1) concludes in April 2024 when, subject to approval, Tranche 2a will commence. This is the phase when STEP will develop from an embryonic programme with a concept design and a selected site, and contracted support; to a fully formed major programme bringing together and developing extensive industrial capabilities to deliver a full plant design, a viable supply chain and to seek the consents needed for construction.

STEP is looking for an Engineering Partner that will be a full member of an Integrated Delivery Team and, in collaboration with the wider team and the STEP leadership, will develop, design and deliver the STEP prototype plant (SPP). The EP will also manage the Engineering supply chain, taking direct responsibility for some sourcing decisions and working with the SSPV leadership on more significant procurements.

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

Value excluding VAT: £10,000,000,000

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

This contract is divided into lots: No

## **II.2) Description**

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

- 45200000 - Works for complete or part construction and civil engineering work
- 45220000 - Engineering works and construction works
- 45222000 - Construction work for engineering works except bridges, tunnels, shafts and subways
- 66519000 - Engineering, auxiliary, average, loss, actuarial and salvage insurance services
- 71000000 - Architectural, construction, engineering and inspection services
- 71240000 - Architectural, engineering and planning services
- 71250000 - Architectural, engineering and surveying services
- 71310000 - Consultative engineering and construction services
- 71311000 - Civil engineering consultancy services
- 71312000 - Structural engineering consultancy services
- 71313000 - Environmental engineering consultancy services
- 71318000 - Advisory and consultative engineering services
- 71320000 - Engineering design services
- 71321000 - Engineering design services for mechanical and electrical installations for buildings
- 71322000 - Engineering design services for the construction of civil engineering works
- 71323000 - Engineering-design services for industrial process and production
- 71323200 - Plant engineering design services
- 71330000 - Miscellaneous engineering services
- 71333000 - Mechanical engineering services

- 71334000 - Mechanical and electrical engineering services
- 71336000 - Engineering support services
- 71337000 - Corrosion engineering services
- 71340000 - Integrated engineering services
- 71350000 - Engineering-related scientific and technical services

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

NUTS codes

- UK - United Kingdom

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

The current phase of the STEP programme (Tranche 1) concludes in April 2024 when, subject to approval, Tranche 2a will commence. This is the phase when STEP will develop from an embryonic programme with a concept design and a selected site, and contracted support; to a fully formed major programme bringing together and developing extensive industrial capabilities to deliver a full plant design, a viable supply chain and to seek the consents needed for construction.

To enable delivery of Tranche 2a and beyond, UKAEA proposes to establish an appropriate programme leadership capability, potentially a new Special Purpose Vehicle (subject to approvals), which will establish an integrated delivery team with three strategic partners; an engineering partner (EP) (via this procurement), a construction partner (CP) (via a separate procurement) and a Fusion partner (FP) (already defined to be UKAEA). This team will work collaboratively, under joint incentivisation mechanisms to be developed. These partners will not only be core to delivery of the programme, but will secure market-leading experience and knowledge. Proprietary Value, including IP, is intended to be developed across all participating organisations.

The EP will be a full member of the Integrated Delivery Team and, in collaboration with the wider team and the STEP leadership, will develop, design and deliver the STEP prototype plant (SPP). The EP will also manage the Engineering supply chain, taking direct responsibility for some sourcing decisions and working with the SSPV leadership on more significant procurements.

The EP will work hand in hand with the other parts of the STEP delivery team to drive the integrated design of the STEP plant. This includes management of all engineering data, responsibility for the detailed design of SPP systems, equipment and components and

contracting through the engineering supply chain. The EP will be responsible for manufacture and assembly of the plant components and will work with the Construction Partner to ensure the integrated design of key facilities to support overall operations of the SPP

### **II.3) Estimated date of publication of contract notice**

1 December 2022

---

## **Section IV. Procedure**

### **IV.1) Description**

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

The procurement is covered by the Government Procurement Agreement: Yes