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Tender

Waste Packaging & Encapsulation Plant Distributed Control System

Sellafield Ltd

F02: Contract notice

Notice identifier: 2025/S 000-005096

Procurement identifier (OCID): ocds-h6vhtk-04df1b

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Section I: Contracting authority

I.1) Name and addresses

Sellafield Ltd

Hinton House, Birchwood Park Avenue

Warrington

WA36GR

Contact

Richard Dawson

Email

richard.j.dawson@sellafieldsites.com

Country

United Kingdom

Region code

UKD1 - Cumbria

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/sellafield-ltd>

Buyer's address

<https://www.gov.uk/government/organisations/sellafield-ltd>

I.3) Communication

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

<https://atamis-2464.my.site.com/s/Welcome>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://atamis-2464.my.site.com/s/Welcome>

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

<https://atamis-2464.my.site.com/s/Welcome>

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Nuclear Decommissioning

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Waste Packaging & Encapsulation Plant Distributed Control System

Reference number

C13138

II.1.2) Main CPV code

- 48151000 - Computer control system

II.1.3) Type of contract

Supplies

II.1.4) Short description

Design and build of a Distributed Control System for the Waste Packaging & Encapsulation Plant.

II.1.5) Estimated total value

Value excluding VAT: £7,600,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 35710000 - Command, control, communication and computer systems
- 42961000 - Command and control system
- 35711000 - Command, control, communication systems
- 32573000 - Communications control system
- 35712000 - Tactical command, control and communication systems

II.2.3) Place of performance

NUTS codes

- UKD11 - West Cumbria

Main site or place of performance

Sellafield site

II.2.4) Description of the procurement

The Waste Packaging and Encapsulation Plant (WPEP) is a two-line process plant designed for encapsulating Flocculant (FLOC) arisings from the Enhanced Actinide Removal Plant (EARP) process, waste from the Segregated Effluent Treatment Plant (SETP) and the Effluent Plant Maintenance Facility (EPMF). The waste is encapsulated in stainless steel drums within a cement mix. Filled drums are lidded, and then monitored before being stored, initially in the WPEP Store, before being exported for longer term storage in the Encapsulated Product Stores.

The aim of the project is to replace the existing WPEP Distributed Control System (DCS) with a replacement control system based on modern technologies, whilst applying relevant Sellafield standards, guides and procedures.

The project aims to:

- Replace the existing DCS hardware, system software and configuration with a modern control system ensuring that the plant continues to function in the same manner.
- Incorporate the currently independent Drum Decontamination and Powders PLC functionality to the replacement WPEP control system.

The operability of the replacement control system is to align, as closely as possible, to the existing control system to reduce the impact on operator training and the changeover between the two systems.

- The replacement control system will be installed such that the existing control system remains in situ, providing a fall-back in the event of delays or commissioning issues. However, given space constraints, it may not be possible to do this in all instances and some existing equipment may be removed prior to installing elements of the replacement control system.

The scope of activities are to include (but not be limited to):

- a) Familiarisation with the existing control system to aid understanding.
- b) The production of detailed hardware and software designs, consistent with the relevant

clauses specified in the standards and capable of satisfying the requirements specified in the User Requirement Specification (URS).

- c) Carrying out the manufacture and assembly of all items of hardware, consistent with the relevant clauses specified in the standards and capable of satisfying the requirements specified in the URS.
- d) Implementing structured software, consistent with the functional requirements documentation.
- e) Production and delivery of all supporting design documents, consistent with the relevant clauses specified in the standards and as listed in the URS.
- f) Preparation and submission of Technical Queries (TQs).
- g) Carrying out the detailed design and build of a simulation model, including the production of all supporting design documentation.
- h) Carrying out testing in accordance with the relevant clauses specified in the standards and as described in the URS.
- i) Carrying out training in accordance with the relevant clauses specified in the standards and as described in the URS.
- j) Delivery of the system to the location specified in the contract documentation.
- k) Provision of support during Setting to Work and Commissioning in accordance with the URS.

The procurement will be carried out under the Open procedure. The scope of the contract includes the design, build, test & delivery to the Sellafield site.

Please note the duration of the contract is an estimate which will be finalised upon Contract Award.

Parties who are interested in potentially submitting a tender for this opportunity are requested to register on the shared service Nuclear Decommissioning Authority (NDA) OneNDA eCommerce Systems powered by Atamis, which can be accessed via the URL <https://atamis-2464.my.site.com/s/Welcome> . Parties who register on this system should then register against Atamis Project C13138 in order to access the Waste Packaging & Encapsulation Plant Distributed Control System opportunity in order to:

- view the procurement and tender documents,
- ask questions or request further information using the inbuilt messaging facility; and
- submit your tender response

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: £7,600,000

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

Duration in months

36

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

II.2.14) Additional information

The procurement has been designed as a single lot covering the design, build, test, and delivery. Due to the nature of the requirement, keeping the scope as one single lot will allow the successful organisation to efficiently manage the full end-to-end scope of the project.

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

Date

25 April 2025

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

Duration in months: 12 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

25 April 2025

Local time

4:00pm

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

Royal Courts Of Justice

Strand

London

WC2A 2LL

Email

rcj.dco@justice.gov.uk

Country

United Kingdom

Internet address

<https://www.find-court-tribunal.service.gov.uk/courts/royal-courts-of-justice>