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Planning

Detritiation Furnace Concept Design

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-006154

Procurement identifier (OCID): ocids-h6vhtk-031ea3

Published 7 March 2022, 12:09pm

Section I: Contracting authority

I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Contact

Matt Burton

Email

matt.burton@ukaea.uk

Country

United Kingdom

NUTS code

UKJ - South East (England)

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.2) Information about joint procurement

The contract is awarded by a central purchasing body

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=44443&B=UK

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

Detritiation Furnace Concept Design

Reference number

PIN/MJB01/22

II.1.2) Main CPV code

- 42300000 - Industrial or laboratory furnaces, incinerators and ovens

II.1.3) Type of contract

Supplies

II.1.4) Short description

The UKAEA is currently exploring the possibility of constructing a new thermal detritiation facility based upon existing technology used in the Materials Detritiation Facility (MDF) at the Culham Science Center. These investigations are sought to identify opportunities to reduce the amount of Intermediate Level Waste (ILW) which is sent for long term storage in a Geological Disposal Facility (GDF).

The new thermal detritiation facility would be capable of accepting larger items for detritiation, be designed for a higher throughput, be loaded and operated remotely and have more flexible operating limits (including temperature and air flow) to cope with expected future demands. Ideally, the furnace at the heart of the thermal detritiation facility will be Commercial Off The Shelf (COTS) equipment, or COTS with minor modification.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 42940000 - Machinery for the heat treatment of materials

- 42942000 - Ovens and accessories

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire
- UKJ1 - Berkshire, Buckinghamshire and Oxfordshire
- UKJ - South East (England)
- UK - United Kingdom

II.2.4) Description of the procurement

The UKAEA is currently exploring the possibility of constructing a new thermal detritiation facility based upon existing technology used in the Materials Detritiation Facility (MDF) at the Culham Science Center. These investigations are sought to identify opportunities to reduce the amount of Intermediate Level Waste (ILW) which is sent for long term storage in a Geological Disposal Facility (GDF).

The new thermal detritiation facility would be capable of accepting larger items for detritiation, be designed for a higher throughput, be loaded and operated remotely and have more flexible operating limits (including temperature and air flow) to cope with expected future demands. Ideally, the furnace at the heart of the thermal detritiation facility will be Commercial Off The Shelf (COTS) equipment, or COTS with minor modification.

The desired outcome of this Prior Information Notice is for the UKAEA to understand the limits and opportunities available with COTS furnaces across the supply chain. This is intended to ensure that the thermal detritiation facility concept design is both achievable and affordable.

II.3) Estimated date of publication of contract notice

31 March 2023

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