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Planning

H3AT Tritium Plant – ADS Sub-System

United Kingdom Atomic Energy Authority

F01: Prior information notice

Prior information only

Notice identifier: 2021/S 000-026310

Procurement identifier (OCID): ocds-h6vhtk-02ee33

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Section I: Contracting authority

I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Contact

Abigail Woods

Email

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Telephone

+44 1235467082

Country

United Kingdom

NUTS 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.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=40167&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

H3AT Tritium Plant – ADS Sub-System

Reference number

T/DB210/21

II.1.2) Main CPV code

- 38424000 - Measuring and control equipment

II.1.3) Type of contract

Supplies

II.1.4) Short description

UKAEA wishes to engage with potential prime contractors, SME's, system designers and manufacturers of equipment for the ADS Sub-System within the Tritium Plant located in the new H3AT Facility, to process tritium-bearing gases and liquid mixtures.

Through this process we are looking to open up the engagement for suppliers to understand the specific requirements for water scrubber columns and surrounding equipment as part of the ADS Sub-System and assist with informing the final procurement strategy.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 31161400 - Primary water systems
- 38340000 - Instruments for measuring quantities
- 38420000 - Instruments for measuring flow, level and pressure of liquids and gases

- 38570000 - Regulating and controlling instruments and apparatus
- 38930000 - Humidity and moisture measuring instruments
- 42120000 - Pumps and compressors
- 42122100 - Pumps for liquids
- 42131100 - Valves defined by function
- 42131140 - Pressure-reducing, control, check or safety valves
- 51100000 - Installation services of electrical and mechanical equipment
- 51110000 - Installation services of electrical equipment
- 51120000 - Installation services of mechanical equipment
- 51810000 - Installation services of tanks
- 51820000 - Installation services of reservoirs
- 71242000 - Project and design preparation, estimation of costs
- 71320000 - Engineering design services
- 71323200 - Plant engineering design services
- 71335000 - Engineering studies
- 71350000 - Engineering-related scientific and technical services

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

II.2.4) Description of the procurement

UKAEA wishes to engage with potential prime contractors, SME's, system designers and manufacturers of equipment for the ADS Sub-System within the Tritium Plant located in the new H3AT Facility, to process tritium-bearing gases and liquid mixtures.

The H3AT Facility Tritium Plant consists of the following sub-systems:

- SDS - Storage and Delivery System
- TVS - Tokamak Vacuum Simulation
- HPS - Hydrogen Chemical Purification System
- ISS - Hydrogen Isotope Separation System
- WDS - Water Detritiation System
- ADS - Atmosphere Detritiation System
- ANS - Chemical and Isotope Analysis of Gaseous Mixtures System
- RGM - Radiological and Hazardous Gas Monitoring System

The Facility is a tool of the H3AT Project, for which the missions are:

- Supporting Delivery of fusion as a commercial power source
- Promoting industry, academia and research companies for work related to handling tritium and other radioactive isotopes
- Providing capability for training of next generation of scientists and engineers for development of the new power sources

Through this process we are looking to open up the engagement for suppliers to understand the specific requirements for water scrubber columns and surrounding equipment as part of the ADS Sub-System and assist with informing the final procurement strategy.

II.3) Estimated date of publication of contract notice

1 December 2021

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: No