Planning

Remote Handling Emergency Stop System Software

United Kingdom Atomic Energy Authority

F01: Prior information notice
Reducing time limits for receipt of tenders
Notice identifier: 2022/S 000-004190
Procurement identifier (OCID): ocds-h6vhtk-0316fa
Published 14 February 2022, 5:09pm

Section I: Contracting authority

I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Contact

Christos Kalantaridis

Email

christos.kalantaridis@ukaea.uk

Telephone

+44 123546

Country

United Kingdom

NUTS code

UKJ1 - Berkshire, Buckinghamshire and 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=43625&B=UK

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=43625&B=UK

Tenders or requests to participate must be submitted to 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

Remote Handling Emergency Stop System Software

Reference number

T/CK029/22

II.1.2) Main CPV code

- 98113100 - Nuclear safety services

II.1.3) Type of contract

Services

II.1.4) Short description

The current Remote Handling (RH) Safety System, otherwise known as the Emergency Stop System (EMS), has been in use for many years. The system is due to be upgraded and replaced with a modern, fit for purpose, Performance Level (PL) rated system to enable the Remote Handling (RH) plant to operate well into the future.

To make the design and manufacture of the EMS simpler, the work package has been split into two sections – Hardware and Software.

The Hardware work package focuses on the high-level system architecture and basic hardware needed to make the RH plant machine safety system function.

The Software work package is more encapsulating, being responsible for all machine safety system software within the RHS Upgrade, regardless of work package.

UKAEA invites initial Expressions of Interest from engineering firms, consultancy groups and academia.

II.1.5) Estimated total value

Value excluding VAT: £250,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 48110000 - Point of sale (POS) software package
- 48150000 - Industrial control software package
- 98113100 - Nuclear safety services
- 48000000 - Software package and information systems

II.2.3) Place of performance

NUTS codes

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

II.2.4) Description of the procurement

The UK Atomic Energy Authority (UKAEA) is leading research in the generation of energy from fusion technology, primarily using the Joint European Torus (JET) vessel located at Culham. The current Remote Handling (RH) Safety System, otherwise known as the Emergency Stop System (EMS), has been in use for many years. The system is due to be upgraded and replaced with a modern, fit for purpose, Performance Level (PL) rated system to enable the Remote Handling (RH) plant to operate well into the future.

To make the design and manufacture of the EMS simpler, the work package has been split into two sections – Hardware and Software.

The Hardware work package focuses on the high-level system architecture and basic

hardware needed to make the RH plant machine safety system function. It acts as the glue that holds the machine safety systems of all other RHS Upgrade work packages together. The machine safety system hardware design within other work packages is handled locally by that work package, with EMS being a major interface; EMS dictates the minimum Performance Level requirement (PLr) and hardware needed, with the local work package handling the rest and feeding back into EMS. An example of this is the MASCOT work package, which will design the MASCOT safety system inclusive of the minimum EMS hardware and PLr – EMS then interfaces to this and ensures it functions with the rest of the machine safety system.

The Software work package is more encapsulating, being responsible for all machine safety system software within the RHS Upgrade, regardless of work package. This is because the software must be programmed from a central point to all other sub-systems and be in the same software project. In the above example, the MASCOT safety system hardware will be programmed by the EMS work package.

UKAEA invites initial Expressions of Interest from engineering firms, consultancy groups and academia.

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: £250,000

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

Duration in months

8

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

Please find below the webinar link:

https://ukaea.zoom.us/j/96656165498?pwd=cUtLWE5vQWZDMTlLeHR6RWtWZUlJQT09

The webinar will take place on Wednesday 23/02/2022. Please register/log in through Mercell UK CTM e-Sourcing Portal(EU supply) for further information.

II.3) Estimated date of publication of contract notice

23 March 2022

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions

Refer to Procurement Documents for information.

III.1.2) Economic and financial standing

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

III.1.3) Technical and professional ability

List and brief description of selection criteria

Refer to Procurement Documents for information.

Minimum level(s) of standards possibly required

Refer to Procurement Documents for information.

III.2) Conditions related to the contract

III.2.2) Contract performance conditions

Refer to Procurement Documents for information.

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

Section VI. Complementary information

VI.3) Additional information

The UK Atomic Energy Authority (UKAEA) is leading research in the generation of energy from fusion technology, primarily using the Joint European Torus (JET) vessel located at Culham. The current Remote Handling (RH) Safety System, otherwise known as the Emergency Stop System (EMS), has been in use for many years. The system is due to be upgraded and replaced with a modern, fit for purpose, Performance Level (PL) rated system to enable the Remote Handling (RH) plant to operate well into the future.

To make the design and manufacture of the EMS simpler, the work package has been split into two sections – Hardware and Software.

The Hardware work package focuses on the high-level system architecture and basic hardware needed to make the RH plant machine safety system function. It acts as the glue that holds the machine safety systems of all other RHS Upgrade work packages together. The machine safety system hardware design within other work packages is handled locally by that work package, with EMS being a major interface; EMS dictates the minimum Performance Level requirement (PLr) and hardware needed, with the local work package handling the rest and feeding back into EMS. An example of this is the MASCOT work package, which will design the MASCOT safety system inclusive of the minimum EMS hardware and PLr – EMS then interfaces to this and ensures it functions with the rest of the machine safety system.

The Software work package is more encapsulating, being responsible for all machine safety system software within the RHS Upgrade, regardless of work package. This is because the software must be programmed from a central point to all other sub-systems and be in the same software project. In the above example, the MASCOT safety system hardware will be programmed by the EMS work package.

UKAEA invites initial Expressions of Interest from engineering firms, consultancy groups and academia.

The contract is to be awarded in May 2022 with work to be completed by December 2022, through one contract placed up to a budget of £250,000.00. The total duration of the work will not exceed eight months, with proposed follow-on activities to be carried out over the next 2-5 years.

UKAEA will host a Webinar during the tender process. The webinar will include presentations on the EMS Hardware design and Q&A sessions for potential applicants to gain more information. Potential applicants are encouraged to attend the webinar for technical information to inform their application. The webinar will be streamed, and a recording will be

made publicly available by UKAEA.

VI.4) Procedures for review

VI.4.1) Review body

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

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

VI.4.2) Body responsible for mediation procedures

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

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

VI.4.3) Review procedure

Precise information on deadline(s) for review procedures

VI.4.2)Body responsible for mediation procedures

VI.4.3)Review procedure

Precise information on deadline(s) for review procedures:

The authority will incorporate a minimum 10 calendar day standstill period at the point information on the award of the contract is communicated to tenderers.

This period allows unsuccessful tenderers to seek further debriefing from the authority before a contract is entered into applicants have 2 working days from the notification of the award decision to request. Additional debriefing and that information have to be provided within a minimum of 3 working days before the expiry of the standstill period. Such additional information should be sought from the contact named in this notice.

If an appeal regarding the award of a contract has not been successfully resolved, the Public Contracts Regulations 2015 (SI 2015 No. 102) provide for aggrieved parties who have been harmed or are at risk of harm by a breach of the rules to take action in the High Court (England, Wales and Northern Ireland).

Any such action must be brought promptly.

(generally within 3 months).

VI.4.4) Service from which information about the review procedure may be obtained

UK Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Country

United Kingdom

Internet address

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