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Tender

Single Autonomous Robotic Case Studies

Dounreay Site Restoration Limited

F02: Contract notice

Notice identifier: 2022/S 000-029090

Procurement identifier (OCID): ocids-h6vhtk-037613

Published 14 October 2022, 8:14pm

Section I: Contracting authority

I.1) Name and addresses

Dounreay Site Restoration Limited

D2003, Dounreay, Thurso, Caithness

Thurso

KW14 7TZ

Contact

Stephen Plummer

Email

stephen.plummer@dounreay.com

Telephone

+44 7310918568

Country

United Kingdom

NUTS code

UKM61 - Caithness & Sutherland and Ross & Cromarty

National registration number

SC307493

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/dounreay>

Buyer's address

<https://www.gov.uk/government/organisations/dounreay>

I.3) Communication

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

<https://one-nda.force.com/s/Welcome>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://one-nda.force.com/s/Welcome>

Tenders or requests to participate must be submitted to the above-mentioned address

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://one-nda.force.com/s/Welcome>

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Nuclear - Artificial Intelligence - Autonomous Robotics

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Single Autonomous Robotic Case Studies

Reference number

C9007

II.1.2) Main CPV code

- 71335000 - Engineering studies

II.1.3) Type of contract

Services

II.1.4) Short description

Dounreay Site Restoration Ltd (DSRL) is seeking to establish a Contract from interested Parties with experience in Artificial intelligence (Ai) for Single Autonomous Robotic Case Studies for the Dounreay Site. It is proposed that one Consultant shall be awarded a Contract with a duration 12 Months commencing in the last quarter of 2022. The value of the contract is estimated to be £300K. The £300K will be split 50 / 50 over this FY22/23 and next FY23/24.

The objective of the Single Autonomous Robotic Case Studies is to enhance the capability and readiness of the Dounreay site and staff for business-as-usual, collaborative human robot deployments and develop the skills capacity of the Dounreay workforce to realise the benefits of applying robotic augmentation and assistance on nuclear decommissioning tasks in hazardous environments.

II.1.5) Estimated total value

Value excluding VAT: £300,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 38820000 - Remote-control equipment
- 42997300 - Industrial robots

II.2.3) Place of performance

NUTS codes

- UKM61 - Caithness & Sutherland and Ross & Cromarty

Main site or place of performance

UK United Kingdom

II.2.4) Description of the procurement

Dounreay Site Restoration Ltd (DSRL) is seeking to establish a Contract from interested Parties with experience in Artificial intelligence (Ai) for Single Autonomous Robotic Case Studies for the Dounreay Site. It is proposed that one Consultant shall be awarded a Contract with a duration 12 Months commencing in the last quarter of 2022. The value of the contract is estimated to be £300K. The £300K will be split 50 / 50 over this FY22/23 and next FY23/24.

For the service being procured, the National Executive Committee, NEC3 Professional Services Contract (PSC) will apply with Main Option E being the selected pricing mechanism covering all the activities within the scope of the Service.

The objective of the Single Autonomous Robotic Case Studies is to enhance the capability and readiness of the Dounreay site and staff for business-as-usual, collaborative human robot deployments and develop the skills capacity of the Dounreay workforce to realise the benefits of applying robotic augmentation and assistance on nuclear decommissioning tasks in hazardous environments.

Seven trial projects case studies will be undertaken within the 12-month period to gather learning on the effectiveness of deployment. Each of these trial projects will generate learning to support the DSRL digital delivery strategy. This technical work task will be supported by the DSRL digital delivery representative.

1. Project A: Data collection and application of machine vision
2. Project B: 3D modelling
3. Project C: Dounreay “Street View” site map
4. Project D: Measuring carbon emissions on site
5. Project E: Security and Resilience – Personnel monitoring
6. Project F: Security and Resilience – Suspicious object inspection
7. Project G: Beach surveys for fragments of irradiated nuclear fuel

The learning from each of the projects will be disseminated through existing forms of communication across the Operational Company’s with the opportunities for direct involvement during the trials at the Dounreay site.

Delivery of project including case studies, opportunistic deployment and training shall be implemented via an on-site presence and shall be fully project managed by the Consultant using SQEP personnel.

DSRL will be adopting a 2-stage evaluation process via eSourcing utilising Atamis System:

- Stage 1 – Demonstration of meeting several Minimum Selection Criteria
- Stage 2 – Full evaluation of Tender Submission

The Registration and Tender Response window opens at noon on 18 October 2022 and will close at noon on 22 November 2022.

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: £300,000

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

Start date

14 December 2022

End date

14 December 2023

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

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

Dounreay Site Restoration Limited (DSRL) is the site licence company responsible for the clean-up and demolition of Britain's former centre of fast reactor research and development.

DSRL is a wholly owned subsidiary of the Nuclear Decommissioning Authority (NDA). It is funded by the NDA to deliver the site closure programme.

III.1.2) Economic and financial standing

List and brief description of selection criteria

Selection criteria as stated in the procurement documents

III.1.3) Technical and professional ability

List and brief description of selection criteria

Selection criteria as stated in the procurement documents

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

18 October 2022

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

Tender must be valid until: 30 December 2022

IV.2.7) Conditions for opening of tenders

Date

22 November 2022

Local time

12:00pm

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

Dounreay Site Restoration Limited

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Internet address

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