Tender

Tender For The Supply And Installation Of A Flash SARRP - University Of Birmingham

THE UNIVERSITY OF BIRMINGHAM

F02: Contract notice
Notice identifier: 2023/S 000-032200
Procurement identifier (OCID): ocds-h6vhtk-0410b2
Published 31 October 2023, 4:15pm

Section I: Contracting authority

I.1) Name and addresses

THE UNIVERSITY OF BIRMINGHAM

Edgbaston

BIRMINGHAM

B152TT

Contact

Kseniya Samsonik

Email

K.Samsonik@bham.ac.uk

Country

United Kingdom

Region code

UKG31 - Birmingham

Companies House

RC000645

Internet address(es)

Main address

https://www.birmingham.ac.uk/

I.3) Communication

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

www.in-tendhost.co.uk/universityofbirmingham/aspx/Home

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

www.in-tendhost.co.uk/universityofbirmingham/aspx/Home

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Tender For The Supply And Installation Of A Flash SARRP - University Of Birmingham

Reference number

SC12074/23

II.1.2) Main CPV code

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

II.1.3) Type of contract

Supplies

II.1.4) Short description

The University of Birmingham invites tenders for supply of a in-vivo radiation research platform (SARRP) capable of delivering X-ray irradiation at both conventional (~2-5 Gy/min) and ultra-high dose rates (FLASH; >40 Gy/sec). The system is required for both cultured cells (e.g. immortalised cell lines, primary cell cultures, 3D spheroids/organoids) as well as in-vivo models. The system will be used in scientific research to explore the biological impact of X-ray irradiation delivered at FLASH dose rates, particularly in terms of cell survival, growth of tumors, and impact on critical cellular structures such as DNA. This research spanning cancer, molecular and cellular biology aims to contribute to our further understanding of FLASH radiation, and to move this towards the clinic for the benefit of cancer patients treated with radiotherapy.

The system must be capable of delivering X-ray irradiation at FLASH dose rates (>40 Gy/sec) and be integrated within a shielded cabinet that is safe to use. Accurate and real-time dosimetry is very important. The system should have a stage which is manoeuvrable in three directions (X, Y and Z) plus a user-friendly and computer interface for precise cell positioning, but also come complete with a CCD camera for sample focusing and real-time monitoring. Continuing support in the maintenance and accuracy of dose delivery of the equipment is essential.

Please refer to Appendix A for full specification of requirements via www.in-tendhost.co.uk/universityofbirmingham/aspx/Home

II.1.5) Estimated total value

Value excluding VAT: £550,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKG3 - West Midlands

II.2.4) Description of the procurement

The University of Birmingham invites tenders for supply of a in-vivo radiation research platform (SARRP) capable of delivering X-ray irradiation at both conventional (~2-5 Gy/min) and ultra-high dose rates (FLASH; >40 Gy/sec). The system is required for both cultured cells (e.g. immortalised cell lines, primary cell cultures, 3D spheroids/organoids) as well as in-vivo models. The system will be used in scientific research to explore the biological impact of X-ray irradiation delivered at FLASH dose rates, particularly in terms of cell survival, growth of tumors, and impact on critical cellular structures such as DNA. This research spanning cancer, molecular and cellular biology aims to contribute to our further understanding of FLASH radiation, and to move this towards the clinic for the benefit of cancer patients treated with radiotherapy.

The system must be capable of delivering X-ray irradiation at FLASH dose rates (>40 Gy/sec) and be integrated within a shielded cabinet that is safe to use. Accurate and real-time dosimetry is very important. The system should have a stage which is manoeuvrable in three directions (X, Y and Z) plus a user-friendly and computer interface for precise cell positioning, but also come complete with a CCD camera for sample focusing and real-time monitoring. Continuing support in the maintenance and accuracy of dose delivery of the equipment is essential.

Please refer to Appendix A for full specification of requirements via In-tend - www.in-tendhost.co.uk/universityofbirmingham/aspx/Home

II.2.5) Award criteria

Quality criterion - Name: Compliance to the Specifications / Weighting: 40

Quality criterion - Name: After Sales and Technical back up / Weighting: 10

Quality criterion - Name: Delivery and Training / Weighting: 10

Quality criterion - Name: Sustainability and Environmental / Weighting: 10

Quality criterion - Name: Standard Supplier Questionnaire (SQ) Part 1 and Part 2 / Weighting: 10

Price - Weighting: 20

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

Start date

7 January 2024

End date

31 March 2024

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

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

30 November 2023

Local time

12:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.7) Conditions for opening of tenders

Date

30 November 2023

Local time

12:01pm

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

University of Birmingham

Birmingham

Country

United Kingdom