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Tender

IT EQUIPMENT AND SOFTWARE FOR OFFICE FOR STUDENTS PROJECT

COVENTRY UNIVERSITY HIGHER EDUCATION CORPORATION GROUP (CUHECG)

F02: Contract notice

Notice identifier: 2023/S 000-014635

Procurement identifier (OCID): ocds-h6vhtk-03cea5

Published 23 May 2023, 1:22pm

Section I: Contracting authority

I.1) Name and addresses

COVENTRY UNIVERSITY HIGHER EDUCATION CORPORATION GROUP (CUHECG)

Priory Street

COVENTRY

CV15FB

Contact

Thomas Hasson

Email

ad7747@coventry.ac.uk

Country

United Kingdom

Region code

UKG33 - Coventry

Companies House

07781274

Internet address(es)

Main address

<https://www.coventry.ac.uk/>

Buyer's address

<https://in-tendhost.co.uk/coventryuniversity>

I.3) Communication

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

<https://in-tendhost.co.uk/coventryuniversity>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://in-tendhost.co.uk/coventryuniversity>

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

Education

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

IT EQUIPMENT AND SOFTWARE FOR OFFICE FOR STUDENTS PROJECT

Reference number

FRAM-906-23-TH

II.1.2) Main CPV code

- 30000000 - Office and computing machinery, equipment and supplies except furniture and software packages

II.1.3) Type of contract

Supplies

II.1.4) Short description

SUMMARY OF REQUIREMENTS

The development of two new virtual teaching and learning environments

- A state-of-the-art Virtual Reality Cave environment for our HLS faculty that can be used to deliver a simulated technology lab harnessing VR capability, and environment simulation, ensuring that facilities are up to date, replicates virtual medical equipment used in industry and within the health service and enables educational provision in allied health to address subject demand and to extend our subject provision.
- A virtual Powerwall environment for our EEC faculty that incorporates high-precision digital manufacturing and a VR technology lab in the subject disciplines of engineering which are vital to meet the current demand for skills, support future growth and to support competitiveness within markets that will grow significantly during the next decade.
- A vision and strategy that supports our commitment to provide world class immersive education facilities for teaching, learning, collaboration, and modern workspaces.
- To identify a 5-year strategic immersive environment partner that can work with Coventry University long term on key regional and international objectives, helping to transform our technologies that support our digital academic infrastructure and staff and student environments. A supplier who can provide a complete service wrap from concept to delivery and become an extension to our existing digital architecture teams. Sub-contracting may be considered in some circumstances; however the supplier must front the contract and agree to the University Group's Terms and Conditions in Appendix C by signing Appendix D, Declaration of Compliance

- A supplier who can help develop and mature our VR standards delivering high quality, reliable and supportable technologies which will add value by enhancing the delivery of learning and improving the user experiences of simulated environment technology

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 32300000 - Television and radio receivers, and sound or video recording or reproducing apparatus
- 32400000 - Networks
- 48000000 - Software package and information systems
- 50000000 - Repair and maintenance services
- 51000000 - Installation services (except software)
- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKG33 - Coventry

II.2.4) Description of the procurement

IMMERSIVE ENVIRONMENTS AND DIGITAL TWINS

After a successful bid to the Office of Students, Coventry University are looking to develop two simulated environments for our faculty of Health and Life Sciences (HLS) and Engineering (EEC) schools.

This development addresses priority subjects of strategic importance, creating new high-precision digital manufacturing and healthcare technology labs to link education in the fields of engineering and applied health and application areas including automotive, aerospace and healthcare technology. The lab is a joint project between our Faculty of Engineering, Environment and Computing and Faculty of Health and Life Sciences.

Our expertise across healthcare and engineering covers multiple disciplines including midwifery, nursing, radiography, digital, virtual, and other medical scenarios. It also includes intelligent and adaptive efficient manufacturing systems, functional materials,

metrology, people centred productivity, advanced manufacturing processes, sustainable manufacturing, and new manufacturing business models.

At Coventry University, we see simulated environments as a core enabler of the digital services portfolio and the developments of teaching spaces of the future. Evidence shows virtual reality (VR) and Augmented Reality (AR) have the capabilities to push the boundaries of traditional teaching and help students meet their learning goals. Although it's not seen as a new technology, it has started to come into its own for educational purposes. This is because only now is the technology small enough, powerful enough, and affordable enough to reach mainstream audiences.

VR represents a new media platform that can allow for a more immersive way for students to learn. But more importantly, it can also be an option to offer greater opportunities and experiences to all students, remove physical boundaries and allow for access to a portfolio of objects, scenarios and environments that were previously impossible.

Recent focus on Digital Twins in education is also an explorative area. Virtual representations or mirrors of a real-world physical object or system used to digital model performance, identify inefficiencies and design solutions to improve its physical counterpart. Unlike simulations, which operate in entirely virtual environments divorced from the external world, digital twins' model specific real-world assets outfitted with sensors that continuously update their virtual counterparts in real-time with granular, high-quality data reflecting the physical attributes and performance which is then reflected in the digital copy. A typical example could be that the University has access to catalogue of vehicles and associated parts from a vehicle manufacturer for 3D simulation.

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II.2.5) Award criteria

Quality criterion - Name: HLS Requirements / Weighting: 20

Quality criterion - Name: EEC Requirements / Weighting: 20

Quality criterion - Name: Joint Requirements / Weighting: 10

Price - Weighting: 50

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

Duration in months

60

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

21 June 2023

Local time

12:00pm

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

Duration in months: 60 (from the date stated for receipt of tender)

IV.2.7) Conditions for opening of tenders

Date

21 June 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

COVENTRY UNIVERSITY HIGHER EDUCATION CORPORATION GROUP (CUHECG)

<https://www.coventry.ac.uk/>

Coventry

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ad7747@coventry.ac.uk

Country

United Kingdom