

Ireland-Limerick: Telecommunications equipment
OJ S 193/2023 06/10/2023
Contract notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Education Procurement Service EPS

Postal address: Castletroy Limerick

Town: Limerick

NUTS code: IE Éire / Ireland

Postal code: V94 DK53

Country: Ireland

E-mail: grainne.m.quinn@ul.ie

Internet address(es):

Main address: <https://www.etenders.gov.ie>

Address of the buyer profile: <https://www.etenders.gov.ie>

I.2. Information about joint procurement

The contract is awarded by a central purchasing body

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://www.etenders.gov.ie>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted to the abovementioned 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

LA2677C-TCD- RFT for the Supply of Quantum Key Distribution Platforms [2 Lots]

Reference number: LA2677C

II.1.2. Main CPV code

32522000 Telecommunications equipment

II.1.3. Type of contract

Supplies

II.1.4. Short description

Trinity College Dublin (TCD), request the supply of two Discrete Variable (DV) Quantum Key Distribution (QKD) platforms for use in the development of a national Quantum Communications Infrastructure, IrelandQCI. The vision of IrelandQCI is to build a national quantum communication network that will support an innovative quantum technology ecosystem that will enable and drive the transition from research-based experimental quantum systems and devices to commercialization-ready quantum communication products, solutions and services and lay the groundwork for International networks. This tender consists of 2 lots, tenderers can submit proposal for multiple or individual lots. Lot 1 O-Band QKD Platform Lot 2 C-Band QKD Platform These Quantum Key Distribution Platforms will be used to create part of the national backbone network. Two types of QKD Platform are required, 1 (Lot 1) operating the telecommunications O-Band (~1310 nm) and the other 1 (Lot 2) operating in the telecommunications C-Band (~1550 nm). A Key Management System is also required with multi-vendor support (ETSI GS QKD 020) support highly desired. Lot 1 requires 1 x O-band platform that can be multiplexed with classical data in the C-band and will be primarily used in metropolitan areas on the shorter inter-city links. Lot 2 requires 1 x C-band platform with a link budget of at least 30dB, to form part of the longer distance links. The new network will be made available for research purposes, as well as allowing Government, agencies, and companies to start building competence and capability in this key area and ultimately, to develop the skills to secure critical infrastructure, data assets, and encryption systems.

II.1.5. Estimated total value

II.1.6. Information about lots

This contract is divided into lots: yes

Tenders may be submitted for maximum number of lots: 2

II.2. Description

II.2.1. Title

O-Band QKD Platform

Lot No: 1

II.2.2. Additional CPV code(s)

32412100 Telecommunications network, 32510000 Wireless telecommunications system, 32500000 Telecommunications equipment and supplies

II.2.3. Place of performance

NUTS code: IE Éire / Ireland

II.2.4. Description of the procurement

Trinity College Dublin (TCD), request the supply of two Discrete Variable (DV) Quantum Key Distribution (QKD) platforms for use in the development of a national Quantum Communications Infrastructure, IrelandQCI. The vision of IrelandQCI is to build a national quantum communication network that will support an innovative quantum technology ecosystem that will enable and drive the transition from research-based experimental quantum systems and devices to commercialization-ready quantum communication products, solutions and services and lay the groundwork for International networks. This tender consists of 2 lots, tenderers can submit proposal for multiple or individual lots. Lot 1 O-Band QKD Platform Lot 2 C-Band QKD Platform These Quantum Key Distribution Platforms will be used to create part of the national backbone network. Two types of QKD Platform are required, 1 (Lot 1) operating the telecommunications O-Band (~1310 nm) and the other 1 (Lot 2) operating in the

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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

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

Duration in months: 36

This contract is subject to renewal: yes

Description of renewals:

The Contracting Authority reserves the right to extend the Term of warranty and/or service contracts for a period or periods of up to one year [1 Year] with a maximum of three (3) such extension or extensions on the same terms and conditions, subject to the Contracting Authority's obligations at law.

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: yes

Identification of the project: Items are to be purchased for the IrelandQCI project which is co-funded by the European Commission - Agreement Number 101091520 (DIGITAL Europe Programme) and the Minister of the Environment, Climate and Communications (Ireland).

II.2.14. Additional information

II.2. Description

II.2.1. Title

C-Band QKD Platform

Lot No: 2

II.2.2. Additional CPV code(s)

32412100 Telecommunications network, 32510000 Wireless telecommunications system, 32500000 Telecommunications equipment and supplies

II.2.3. Place of performance

NUTS code: IE Éire / Ireland

II.2.4. Description of the procurement

Trinity College Dublin (TCD), request the supply of two Discrete Variable (DV) Quantum Key Distribution (QKD) platforms for use in the development of a national Quantum Communications Infrastructure, IrelandQCI. The vision of IrelandQCI is to build a national quantum communication network that will support an innovative quantum technology ecosystem that will enable and drive the transition from research-based experimental quantum systems and devices to commercialization-ready quantum communication products, solutions and services and lay the groundwork for International networks. This tender consists of 2 lots, tenderers can submit proposal for multiple or individual lots. Lot 1 O-Band QKD Platform Lot 2 C-Band QKD Platform These Quantum Key Distribution Platforms will be used to create part of the national backbone network. Two types of QKD Platform are required, 1 (Lot 1) operating the telecommunications O-Band (~1310 nm) and the other 1 (Lot 2) operating in the telecommunications C-Band (~1550 nm). A Key Management System is also required with multi-vendor support (ETSI GS QKD 020) support highly desired. Lot 1 requires 1 x O-band platform that can be multiplexed with classical data in the C-band and will be primarily used in metropolitan areas on the shorter inter-city links. Lot 2 requires 1 x C-band platform with a link budget of at least 30dB, to form part of the longer distance links. The new network will be made available for research purposes, as well as allowing Government, agencies, and companies to start building competence and capability in this key area and ultimately, to develop the skills to secure critical infrastructure, data assets, and encryption systems.

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II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

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: 06/11/2023 Local time: 12:00

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

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

English

IV.2.7. Conditions for opening of tenders

Date: 06/11/2023 Local time: 12:30

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: office of the high court

Town: dublin

Country: Ireland

VI.5. Date of dispatch of this notice

03/10/2023