

IRELAND: LABORATORY, OPTICAL AND PRECISION EQUIPMENTS (EXCL. GLASSES) LA2513C- SETU- RFT FOR QUANTUM KEY DISTRIBUTION PLATFORMS [2 LOTS]

Contract or concession award notice – standard regime

1 Buyer

1.1 Buyer

Official name: Education Procurement Service (EPS)

Legal type of the buyer: Central government authority

Activity of the contracting authority: Education

2 Procedure

2.1 Procedure

Title: LA2513C- SETU- RFT for Quantum Key Distribution Platforms [2 Lots]

Description: South East Technological University (SETU), request the supply of three 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, Qty X 1 Lot 2 C-Band QKD Platforms, Qty X 2 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 two (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 2 x C-band platforms 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.

Procedure identifier: 66a6cfc5-2e3c-43e1-904b-f4c0bbe790a1

Type of procedure: Open

2.1.1 Purpose

Nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Additional classification (cpv): 32570000 Communications equipment

Additional classification (cpv): 32412100 Telecommunications network

Additional classification (cpv): 32571000 Communications infrastructure

Additional classification (cpv): 32412000 Communications network

Additional classification (cpv): 32510000 Wireless telecommunications system

Additional classification (cpv): 32500000 Telecommunications equipment and supplies

Additional classification (cpv): 32522000 Telecommunications equipment

Additional classification (cpv): 32524000 Telecommunications system

Additional classification (cpv): 50332000 Telecommunications-infrastructure maintenance services

2.1.4 General information

5 Lot

5.1 Lot: LOT-0001

Title: O-Band QKD Platform, Qty X 1

Description: South East Technological University (SETU), request the supply of three 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, Qty X 1 Lot 2 C-Band QKD Platforms, Qty X 2 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 two (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 2 x C-band platforms 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.

Internal identifier: 1

5.1.1 Purpose

Nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Additional classification (cpv): 32570000 Communications equipment

Additional classification (cpv): 32412100 Telecommunications network

Additional classification (cpv): 32571000 Communications infrastructure

Additional classification (cpv): 32412000 Communications network

Additional classification (cpv): 32510000 Wireless telecommunications system

Additional classification (cpv): 32500000 Telecommunications equipment and supplies

Additional classification (cpv): 32522000 Telecommunications equipment

Additional classification (cpv): 32524000 Telecommunications system

Additional classification (cpv): 50332000 Telecommunications-infrastructure maintenance services

5.1.6 General information

Procurement Project fully or partially financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA)

5.1.10 Award criteria

Criterion:

Type: Quality

5.1.15 Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system

No dynamic purchase system

Electronic auction:

5.1.16 Further information, mediation and review

Review organisation: The High Court of Ireland

Organisation providing offline access to the procurement documents: Education Procurement Service (EPS)

Organisation executing the payment: Education Procurement Service (EPS)

5.1 Lot: LOT-0002

Title: C-Band QKD Platforms, Qty X 2

Description: South East Technological University (SETU), request the supply of three 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, Qty X 1 Lot 2 C-Band QKD Platforms, Qty X 2 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 two (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 2 x C-band platforms 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.

Internal identifier: 2

5.1.1 Purpose

Nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Additional classification (cpv): 32570000 Communications equipment

Additional classification (cpv): 32412100 Telecommunications network

Additional classification (cpv): 32571000 Communications infrastructure

Additional classification (cpv): 32412000 Communications network

Additional classification (cpv): 32510000 Wireless telecommunications system

Additional classification (cpv): 32500000 Telecommunications equipment and supplies

Additional classification (cpv): 32522000 Telecommunications equipment

Additional classification (cpv): 32524000 Telecommunications system

Additional classification (cpv): 50332000 Telecommunications-infrastructure maintenance services

5.1.6 General information

Procurement Project fully or partially financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA)

5.1.10 Award criteria

Criterion:

Type: Quality

5.1.15 Techniques

Framework agreement:

No framework agreement
Information about the dynamic purchasing system
No dynamic purchase system
Electronic auction:

5.1.16 Further information, mediation and review

Review organisation: The High Court of Ireland
Organisation providing offline access to the procurement documents: Education Procurement Service (EPS)
Organisation executing the payment: Education Procurement Service (EPS)

6 Results

6.1 Result Lot Identifier: LOT-0001

At least one winner was chosen.

6.1.2 Information about winners

Winner:

Official name: Toshiba Europe Ltd

Tender:

Tender identifier: 000021158

Identifier of lot or group of lots: LOT-0001

Contract information:

Identifier of the contract: 393385

Date on which the winner was chosen: 2023-09-09Z

Date of the conclusion of the contract: 2023-10-27Z

The contract is awarded within a framework agreement: false

Information about European Union funds

Name of EU-financed project or programme: DIGITALEU

6.1 Result Lot Identifier: LOT-0002

At least one winner was chosen.

6.1.2 Information about winners

Winner:

Official name: Toshiba Europe Ltd

Tender:

Tender identifier: 000021158

Identifier of lot or group of lots: LOT-0002

Contract information:

Identifier of the contract: 393386

Date on which the winner was chosen: 2023-09-01Z

Date of the conclusion of the contract: 2023-11-27Z

The contract is awarded within a framework agreement: false

Information about European Union funds

Name of EU-financed project or programme: DIGITALEU

8 Organisations

8.1 ORG-0001

Official name: Education Procurement Service (EPS)

Registration number: IE 6609370 G

Postal address: Castletroy Limerick

Town: Limerick

Postcode: V94 DK53

Country: Ireland

Email: maria.owens@ul.ie

Telephone: +35361233715

Information exchange endpoint (URL): <https://www.educationprocurementservice.ie/>

Buyer profile: <https://www.educationprocurementservice.ie/>

Roles of this organisation:

Buyer

Organisation providing offline access to the procurement documents

Organisation executing the payment

8.1 ORG-0002

Official name: Toshiba Europe Ltd

Registration number: 02519556

Postal address: 406 Cambridge Science Park Milton Road

Town: Cambridge

Postcode: CB4 0WW

Country: United Kingdom

Email: luma.musa@toshiba.eu

Telephone: +44 (0)7866 958551

Information exchange endpoint (URL): <https://www.toshiba.eu/quantum/>

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0001 LOT-0002

The winner is listed on a regulated market

8.1 ORG-0003

Official name: The High Court of Ireland

Registration number: The High Court of Ireland

Department: The High Court of Ireland

Postal address: Four Courts, Inns Quay, Dublin 7

Town: Dublin

Postcode: D07 WDX8

Country: Ireland

Email: HighCourtCentralOffice@courts.ie

Telephone: +353 1 8886000

Roles of this organisation:

Review organisation

8.1 ORG-0004

Official name: European Dynamics S.A.

Registration number: 002024901000

Department: European Dynamics S.A.

Town: Athens

Country: Greece

Email: eproc-esender@eurodyn.com

Telephone: +30 2108094500

Roles of this organisation:

TED eSender

11 Notice information

11.1 Notice information

Notice identifier/version: e61ca6d9-a042-4e45-bf88-331c367c0124 - 01

Form type: Result

Notice type: Contract or concession award notice – standard regime

Notice dispatch date: 2024-01-10Z 15:53:47Z

Languages in which this notice is officially available: English

11.2 Publication information