IRELAND: TELECOMMUNICATIONS EQUIPMENT
LA2677C-TCD- RFT FOR THE SUPPLY OF 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: Body governed by public law
Activity of the contracting authority: Education

2 *Procedure*

2.1 *Procedure*

Title: LA2677C-TCD- RFT for the Supply of Quantum Key Distribution Platforms [2 Lots]
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.
Procedure identifier: 33843df5-79c7-4b64-8796-160f9c5a7636
Type of procedure: Open
The procedure is accelerated: No

2.1.1 *Purpose*

Nature of the contract: Supplies
Main classification (cpv): 32522000 Telecommunications equipment
Additional classification (cpv): 32412100 Telecommunications network
Additional classification (cpv): 32510000 Wireless telecommunications system
Additional classification (cpv): 32500000 Telecommunications equipment and supplies

2.1.4 *General information*

Legal basis:
Directive 2014/24/EU

5 *Lot*

5.1 *Lot*: LOT-0001

Title: O-Band QKD Platform

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.

Internal identifier: 1

5.1.1 *Purpose*

Nature of the contract: Supplies

Main classification (cpv): 32522000 Telecommunications equipment

Additional classification (cpv): 32412100 Telecommunications network

Additional classification (cpv): 32510000 Wireless telecommunications system

Additional classification (cpv): 32500000 Telecommunications equipment and supplies

5.1.3 *Estimated duration*

Start date: 2023-12-06Z

End date: 2024-01-16Z

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 Platform

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.
Internal identifier: 2

5.1.1 *Purpose*

Nature of the contract: Supplies
Main classification (cpv): 32522000 Telecommunications equipment
Additional classification (cpv): 32412100 Telecommunications network
Additional classification (cpv): 32510000 Wireless telecommunications system
Additional classification (cpv): 32500000 Telecommunications equipment and supplies

5.1.3 *Estimated duration*

Start date: 2023-12-06Z
End date: 2024-01-16Z

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: ID Quantique SA

Tender:

Tender identifier: 000030488

Identifier of lot or group of lots: LOT-0001

Contract information:

Identifier of the contract: 395514

Date on which the winner was chosen: 2023-12-06Z

Date of the conclusion of the contract: 2024-01-16Z

The contract is awarded within a framework agreement: false

6.1 *Result Lot Identifier*: LOT-0002

At least one winner was chosen.

6.1.2 *Information about winners*

Winner:

Official name: ID Quantique SA

Tender:

Tender identifier: 000030488

Identifier of lot or group of lots: LOT-0002

Contract information:

Identifier of the contract: 395515

Date on which the winner was chosen: 2023-12-06Z

Date of the conclusion of the contract: 2024-01-16Z

The contract is awarded within a framework agreement: false

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: ID Quantique SA

Registration number: CHE-109.370.975
Postal address: Chemin de la Marbrerie 3
Town: Geneva
Postcode: 1227
Country: Switzerland
Email: lea.carmagnolle@idquantique.com
Telephone: +41225453661
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: 543db1c8-0a8e-418d-834e-bee5a3b359e8 - 01
Form type: Result
Notice type: Contract or concession award notice – standard regime
Notice dispatch date: 2024-01-25Z 16:18:30Z
Languages in which this notice is officially available: English

11.2 *Publication information*