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Contract

QUB/2740/25 a Thermogravimetric Analysis – Mass Spectrometry (TGA-MS) system

Queen's University Belfast

F03: Contract award notice

Notice identifier: 2025/S 000-012150

Procurement identifier (OCID): ocds-h6vhtk-04defe

Published 1 April 2025, 9:58am

Section I: Contracting authority

I.1) Name and addresses

Queen's University Belfast

Procurement Office, University Road

Belfast

BT7 1NN

Email

gerard.fegan@qub.ac.uk

Telephone

+44 2890971436

Country

United Kingdom

NUTS code

UKN06 - Belfast

Internet address(es)

Main address

<https://in-tendhost.co.uk/queensuniversitybelfast.aspx/Home>

Buyer's address

<https://www.qub.ac.uk/directorates/FinanceDirectorate/visitors/procurement/>

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

QUB/2740/25 a Thermogravimetric Analysis – Mass Spectrometry (TGA-MS) system

Reference number

QUB/2740/25

II.1.2) Main CPV code

- 38433100 - Mass spectrometer

II.1.3) Type of contract

Supplies

II.1.4) Short description

Queen's University of Belfast wishes to procure a Turnkey solution for a high-resolution/precision hyphenated TGA-MS system that can analyse the mass and evolved gas product changes associated with thermal decomposition of organic and inorganic samples in radiocarbon dating research and application. The proposed equipment will be used for cutting-edge research into the development of improved methodologies for the reliable and accurate dating of precious (material-limited) archaeological artefacts from museum collections. In particular, it will focus on the investigation, identification and removal of consolidant contamination sources under different heating regimes whilst run in parallel with an in-house ramped pyrolysis/pyrooxidation/combustion (RP/RC) setup for separation/graphitization and dating of CO₂ fractions. Critical to these experiments, where setups are run in parallel, is the need for the TGA-MS system to provide live overlapped presentation of the TGA AND MS data (i.e.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £1,000,000

II.2) Description

II.2.2) Additional CPV code(s)

- 38433100 - Mass spectrometer

II.2.3) Place of performance

NUTS codes

- UKN06 - Belfast

Main site or place of performance

Belfast

II.2.4) Description of the procurement

Queen's University of Belfast wishes to procure a Turnkey solution for a high-resolution/precision hyphenated TGA-MS system that can analyse the mass and evolved gas product changes associated with thermal decomposition of organic and inorganic samples in radiocarbon dating research and application.

II.2.5) Award criteria

Quality criterion - Name: Desirable / Qualitative Requirements / Weighting: 30

Price - Weighting: 70

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: 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.2.1) Previous publication concerning this procedure

Notice number: [2025/S 000-005055](#)

Section V. Award of contract

Contract No

QUB/2740/25

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

1 April 2025

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 1

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 1

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Particular Sciences Ltd

Dublin

Country

Ireland

NUTS code

- IE061 - Dublin

The contractor is an SME

Yes

V.2.4) Information on value of contract/lot (excluding VAT)

Initial estimated total value of the contract/lot: £1,000,000

Total value of the contract/lot: £1,000,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Queens University Belfast

Belfast

Country

United Kingdom