

**Finland-Espoo: Mass spectrometer  
OJ S 68/2023 05/04/2023  
Contract award notice  
Supplies**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: Geologian tutkimuskeskus

National registration number: 0244680-7

Postal address: Vuorimiehentie 5

Town: Espoo

NUTS code: FI Suomi / Finland

Postal code: 02151

Country: Finland

E-mail: [kilpailut@gtk.fi](mailto:kilpailut@gtk.fi)

Telephone: +358 295030000

**Internet address(es):**

Main address: <http://www.gtk.fi>

**I.4. Type of the contracting authority**

Body governed by public law

**I.5. Main activity**

Other activity: Research

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**Section II: Object**

**II.1. Scope of the procurement**

**II.1.1. Title**

A HIGH RESOLUTION MULTICOLLECTOR ICP-MS

Reference number: GTK/604/02.03.01/2022

**II.1.2. Main CPV code**

38433100 Mass spectrometer

**II.1.3. Type of contract**

Supplies

**II.1.4. Short description**

Geologian tutkimuskeskus (in English: the Geological Survey of Finland, "GTK") invites you to tender for the public contract according to the call for tenders, this Invitation To Tender ("ITT") and its appendices.

A quotation is requested for:

1 (one) High Resolution Multicollector ICP-MS as defined in the tendering request attachments.

**II.1.6.**

## Information about lots

This contract is divided into lots: no

### II.1.7. Total value of the procurement

Value excluding VAT: 899 985,00 EUR

## II.2. Description

### II.2.3. Place of performance

NUTS code: FI Suomi / Finland

### II.2.4. Description of the procurement

High Resolution Multicollector ICP-MS hardware

- Being able to operate at least at three different resolution settings (from 300 to >9000).
- Being able to analyse isotopes with a mass range from 4 to 300 amu.
- A detector array with at least 11 Faraday cup detectors with extended dynamic range up to 100V, >20% dispersion and automated alignment.
- 1011  $\Omega$  amplifiers for each Faraday detector.
- At least three additional 1013  $\Omega$  amplifiers with extended dynamic range up to 1 V.
- A centred Ion Counter with an automated switch from Secondary Electron Multiplier to Faraday detector.
- A centred RPQ filter for improved abundance sensitivity.
- An automated software controlled electronic gain calibration with amplifier specific calibration currents.
- A built-in combination of reaction cell and pre mass filter (also called MS/MS) for the measurement of simultaneous isobaric isotopes, while separating other molecular interferences.
- A complete sample inlet kit that includes a peristaltic pump, gas ports, Peltier water lines, SIS (Stable Introduction System) spray chamber, nebulizer, torch, injector, cones providing the optimum sensitivity and mass flow controllers for the torch, laser ablation and mass interferences correction devices.
- A cooling system such as chillers for the magnet and the ICP interface.
- The water-cooled magnet must provide a magnetic field stability better than 50ppm/hr.
- A sensitivity higher than 1000V/ppm for Li, 850V Sr, 700V Nd, 1000V Hf, 1200V Pb and 1200V U in combination with a desolvating nebulizer with 100 $\mu$ l uptake.
- Power computer with fast CPU, 16 Gb memory minimum, 500 Gb disk storage and two 27 inches monitors
- Training session, either factory based or on-site
- Shipping and Installation

High Resolution Multicollector ICP-MS software

- Integrating peripherals such as laser ablation system for automated applications and transient signal data processing, as well as nebulizer systems.
- Capable of changing resolution settings
- 3 additional copies of the analysis software to run analyses off-line

### II.2.5. Award criteria

Quality criterion - Name: Price / Weighting: 25

Quality criterion - Name: Technical merits / Weighting: 55

Quality criterion - Name: Service and support / Weighting: 15

Quality criterion - Name: Delivery, installation and technical acceptance time / Weighting: 5

Price - Weighting: 100

#### **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

#### **II.2.14. Additional information**

### **Section IV: Procedure**

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#### **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: no

#### **IV.2. Administrative information**

##### **IV.2.1. Previous publication concerning this procedure**

Notice number in the OJ S: [2022/S 240-691906](#)

##### **IV.2.8. Information about termination of dynamic purchasing system**

##### **IV.2.9. Information about termination of call for competition in the form of a prior information notice**

### **Section V: Award of contract**

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#### **Title:**

A HIGH RESOLUTION MULTICOLLECTOR ICP-MS

A contract/lot is awarded: yes

#### **V.2. Award of contract**

##### **V.2.1. Date of conclusion of the contract**

21/02/2023

##### **V.2.2. Information about tenders**

Number of tenders received: 2

Number of tenders received from SMEs: 1

Number of tenders received by electronic means: 2

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

##### **V.2.3. Name and address of the contractor**

Official name: NU Instruments Ltd and ThermoFisher Scientific

National registration number: 0921547-0

Town: Waltham, Massachusetts

NUTS code: US United States

Country: United States

The contractor is an SME: no

**V.2.4. Information on value of the contract/lot**

Initial estimated total value of the contract/lot: 899 985,00 EUR

Total value of the contract/lot: 899 985,00 EUR

**V.2.5. Information about subcontracting**

**Section VI: Complementary information**

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**VI.3. Additional information**

**VI.4. Procedures for review**

**VI.4.1. Review body**

Official name: Markkinaoikeus

Postal address: Sörnäistenkatu 1

Town: Helsinki

Postal code: 00580

Country: Finland

E-mail: [markkinaoikeus@oikeus.fi](mailto:markkinaoikeus@oikeus.fi)

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

**VI.5. Date of dispatch of this notice**

31/03/2023