See the notice on TED website

Finland-Espoo: Mass spectrometer
OJ S 240/2022 13/12/2022
Contract notice
Supplies

Legal Basis:
Directive 2014/24/EU

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
Telephone: +358 295030000
Internet address(es):
Main address: http://www.gtk.fi

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: https://tarjouspalvelu.fi/gtk?id=426097&tpk=59740e58-71ed-488b-aecb-db1a0a1cf01a
Additional information can be obtained from the abovementioned address
Tenders or requests to participate must be submitted electronically via: https://tarjouspalvelu.fi/gtk?id=426097&tpk=59740e58-71ed-488b-aecb-db1a0a1cf01a

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Other activity: Research

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.1.5. Estimated total value

II.1.6. Information about lots

This contract is divided into lots: no

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 Ω amplifiers for each Faraday detector.
• At least three additional 1013 Ω 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 100µl 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
Criteria below
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.2.6. Estimated value

II.2.7. Duration of the contract, framework agreement or dynamic purchasing system
Duration in months: 24
This contract is subject to renewal: no

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: no

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: no

IV.2. Administrative information

IV.2.2. Time limit for receipt of tenders or requests to participate
Date: 13/01/2023 Local time: 16:00

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.2.6. Minimum time frame during which the tenderer must maintain the tender
Tender must be valid until: 31/07/2023

IV.2.7. Conditions for opening of tenders
Date: 16/01/2023 Local time: 12:00

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: Markkinaoikeus
Postal address: Sörnäistenkatu 1
Town: Helsinki
Postal code: 00580
Country: Finland
E-mail: markkinaoikeus@oikeus.fi
Telephone: +358 295643300
Internet address: http://www.oikeus.fi/markkinaoikeus

VI.5. Date of dispatch of this notice

08/12/2022