

Finland-Helsinki: Mass spectrometer
OJ S 105/2023 02/06/2023
Contract notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: University of Helsinki
National registration number: 0313471-7
Postal address: Yliopistonkatu 3
Town: Helsinki
NUTS code: FI1B Helsinki-Uusimaa
Postal code: 00100
Country: Finland
Contact person: Katri Leino
E-mail: hankinnat@helsinki.fi
Internet address(es):
Main address: <https://www.helsinki.fi/en>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://tarjouspalvelu.fi/helsinginyliopisto?id=430526&tpk=e595df38-7c62-426f-80b6-6ffaf8a2c842>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: <https://tarjouspalvelu.fi/helsinginyliopisto?id=430526&tpk=e595df38-7c62-426f-80b6-6ffaf8a2c842>

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

Proton-transfer-reaction mass spectrometer for field measurements

II.1.2. Main CPV code

38433100 Mass spectrometer

II.1.3. Type of contract

Supplies

II.1.4. Short description

Institute for Atmospheric and Earth System Research of the University of Helsinki invites tenders for a proton-transfer-reaction mass spectrometer for measuring volatile and low-volatile organic compounds at a coastal measurement site.

II.1.5. Estimated total value

Value excluding VAT: 500 000,00 EUR

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.3. Place of performance

NUTS code: FI1B Helsinki-Uusimaa

II.2.4. Description of the procurement

Institute for Atmospheric and Earth System Research of the University of Helsinki invites tenders for a proton-transfer-reaction mass spectrometer for measuring volatile and low-volatile organic compounds at a coastal measurement site.

The instrument must meet the following requirements:

- a) Resolving power > 8000
- b) Mass range extending at least up to m/z 1000
- c) H₃O⁺ ion source.
- d) High-sensitivity for volatile organic compounds: > 20 000 cps/ppb for acetone and > 10 000 cps/ppb for α-pinene (C₁₀H₁₆).
- e) Low detection limit: < 1 ppt (30 s, 3-sigma) for α-pinene
- f) Linearity up to around 100 ppb
- g) Inlet design that allows also to measure semi-volatile and low-volatile organic compounds with the H₃O⁺ ion source.
- h) Can be used both in laboratory measurements and ambient monitoring in field conditions.
- i) The instrument must be easily transportable and its overall weight should be < 200 kg.
- j) Manufacturer must provide a comprehensive analysis and data acquisition software.

II.2.5. Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6. Estimated value

Value excluding VAT: 500 000,00 EUR

II.2.7. Duration of the contract, framework agreement or dynamic purchasing system

Duration in months: 12

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: 29/06/2023 Local time: 12:00

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

Finnish, English

IV.2.6. Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

IV.2.7. Conditions for opening of tenders

Date: 29/06/2023 Local time: 12:15

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about electronic workflows

Electronic payment will be used

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

29/05/2023

