

Finland-Helsinki: Laboratory, optical and precision equipments (excl. glasses)

OJ S 119/2017 24/06/2017

Contract notice

Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Integrated Carbon Observation System European Research Infrastructure Consortium

Postal address: Erik Palménin aukio 1

Town: Helsinki

NUTS code: FI1B Helsinki-Uusimaa

Postal code: 00560

Country: Finland

Contact person: Jouni Heiskanen

E-mail: jouni.heiskanen@icos-ri.eu

Telephone: +358 503065103

Internet address(es):

Main address: <https://www.icos-ri.eu/>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://www.hankintailmoitukset.fi/fi/notice/view/2017-015535>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted to the following address:

Official name: Integrated Carbon Observation System European Research Infrastructure Consortium

Town: Helsinki

Country: Finland

E-mail: procurement@icos-ri.eu

NUTS code: FI1B Helsinki-Uusimaa

Internet address(es):

Main address: <https://www.icos-ri.eu/>

I.4. Type of the contracting authority

Other type: European Research Infrastructure Consortium

I.5. Main activity

Other activity: research

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Integrated Carbon Observation System European Research Infrastructure Consortium: High precision gas analyser for concentration measurements of carbon dioxide, methane, carbon monoxide and water vapour.

II.1.2. Main CPV code

38000000 Laboratory, optical and precision equipments (excl. glasses) - FG11

II.1.3. Type of contract

Supplies

II.1.4. Short description

Integrated Carbon Observation System ERIC invites tenders for 1 pcs of high precision gas analyser. The analyser must be capable of simultaneous measurements of atmospheric concentrations of carbon dioxide (CO₂), methane (CH₄), carbon monoxide (CO), and water vapour (H₂O).

II.1.5. Estimated total value

Value excluding VAT: 75 000,00 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

The instrument will be used to measure continuously and simultaneously the concentration of CO₂, CH₄, CO and H₂O. All 4 gases must be measured in less than 10 sec (measurement interval).

2.1 Mandatory Technical Requirements

The analyser shall fulfil the following guaranteed, tested, certified and quoted specifications (as required by ICOS RI). The tender will be rejected as non-compliant if these criteria are not met by the analyser:

- a) Guaranteed specification range: 300 - 500 ppm for CO₂, 1-3 ppm for CH₄, 0-1 ppm for CO, 0-3 % volume for H₂O;
- b) Precision (Std. dev. 1- σ : 1'/60' average raw data): <50 ppb / 25 ppb for CO₂, <1 ppb / 0.5 ppb for CH₄, <15ppb / 1.5 ppb for CO, <50 ppm / 10 ppm for H₂O;
- c) Repeatability (Std. dev. 1- σ : 10' average raw data): <50 ppb for CO₂, <0.5 ppb for CH₄, <1 ppb for CO;
- d) The instrument shall be able to automatically provide the concentration of CO₂/CH₄/CO as dry gas molar fraction.

2.2 Additional Technical Criteria:

- a) The analyser must have temperature stability specification at +/- 0.01 °C and pressure stability specification at +/- 0.0005 atm of atmospheric pressure to limit the temperature and pressure sensitivity;
- b) The analyser measurement cell must have a small volume (<50 ml) and an appropriate design to limit the memory effects and allow optimal operation with a sample flow rate (< 0.3 SLPM) and thus limit the quality control and standard gas consumption;
- c) The analyser must have a small footprint to fit in 19" standard rack and with a weight below 30 kg to be suitable for usage on a small mobile platform (i.e. passenger vehicles) and facilitate the analyser handling and installation;

- d) The analyser must have been drop tested and vibration tested during manufacturing to prove ruggedness for field deployment;
- e) The digital data should be provided in a single, human and SQL readable file using a standardized data format. It shall be digital via serial interface of standard type as well as via Ethernet cable. Data shall also be stored locally on the instrument;
- f) The analyser shall be powered by 230 VAC with a total (including the pump) power consumption below 300 W.

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

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

Duration in days: 35

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:
yes

Identification of the project:

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: yes

IV.2. Administrative information

IV.2.2. Time limit for receipt of tenders or requests to participate

Date: 28/07/2017 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

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

IV.2.7. Conditions for opening of tenders

Date: 31/07/2017 Local time: 10:00

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: Radanrakentajantie 5

Town: Helsinki

Postal code: 00520

Country: Finland

E-mail: markkinaoikeus@oikeus.fi

Telephone: +358 295643300

Fax: +358 295643314

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

VI.5. Date of dispatch of this notice

22/06/2017