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Award

G2401 Gas Concentration Analyzer

National Physical Laboratory

F15: Voluntary ex ante transparency notice

Notice identifier: 2023/S 000-002207

Procurement identifier (OCID): ocids-h6vhtk-039a4a

Published 24 January 2023, 4:39pm

Section I: Contracting authority/entity

I.1) Name and addresses

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

Contact

Gary Phillips

Email

gary.phillips@npl.co.uk

Telephone

+44 2089773222

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

www.npl.co.uk

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

G2401 Gas Concentration Analyzer

Reference number

127701

II.1.2) Main CPV code

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

II.1.3) Type of contract

Supplies

II.1.4) Short description

The Picarro G2401 gas concentration analyzer provides simultaneous, precise measurement of carbon monoxide (CO), carbon dioxide (CO₂), methane (CH₄) at parts-per-billion (ppb), and water (H₂O).

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: £130,000

II.2) Description

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The Picarro G2401 gas concentration analyzer provides simultaneous, precise measurement of carbon monoxide (CO), carbon dioxide (CO₂), methane (CH₄) at parts-

per-billion (ppb), and water (H₂O) vapor at parts-per-million (ppm) sensitivity with negligible drift for atmospheric science, air quality, and emissions quantification. It meets the World Meteorological Organization (WMO) and Integrated Carbon Observation System (ICOS) performance requirements for CO, CO₂, and CH₄ atmospheric monitoring.

Simultaneous and continuous measurement of four atmospheric trace gases

Parts-per-billion sensitivity, precision, and accuracy with exceptionally low drift

Compliant with WMO and ICOS international ambient atmospheric monitoring requirements

Water correction automatically reports dry gas mole fractions

Precision at 5 seconds, 5 minutes, and 60 minutes is 15, 1.5, and 1 ppb for CO; 50, 20, and 10 ppb for CO₂; and 1, 0.5, and 0.3 ppb for CH₄. Maximum drift at standard temperature and pressure (STP) over 24 hours is 10 ppb for CO; 100 ppb for CO₂; and 1 ppb for CH₄. Water correction software automatically reports dry gas mole fractions to help reduce research complexity and consumable costs.

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

Award of a contract without prior publication of a call for competition in the cases listed below

- The procurement falls outside the scope of application of the regulations

Explanation:

Competition is absent for technical reasons: Picarro is the only vendor that can provide this equipment to the required specification.

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

Section V. Award of contract/concession

Contract No

127701

Title

G2401 Gas Concentration Analyzer

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

24 January 2023

V.2.2) Information about tenders

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

V.2.3) Name and address of the contractor/concessionaire

Amiston Limited

11 Weston Park

Bath

BA1 4AS

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

No

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

Initial estimated total value of the contract/lot/concession: £130,000

Total value of the contract/lot/concession: £130,000

V.2.5) Information about subcontracting

The contract/lot/concession is likely to be subcontracted

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

NPL Management Limited

Hampton Road

Teddington

TW11 0LW

Country

United Kingdom