



ADVANCE CONTRACT AWARD NOTICE (ACAN)

Title: Assessing PM2.5 Oxidative Burden across Canada

Solicitation Number: 1000179461

1. The Purpose and Explanation of an ACAN

An Advance Contract Award Notice (ACAN) allows Health Canada to post a notice for no less than fifteen (15) calendar days, indicating to the supplier community that a goods, services or construction contract will be awarded to a pre-identified contractor. If no other supplier submits, on or before the closing date, a Statement of Capabilities that meets the minimum requirements identified in the ACAN, the Contracting Authority may then proceed to award a contract to the pre-identified contractor.

2. Rights of Suppliers

Suppliers who consider themselves fully qualified and available to provide the services or goods described in this ACAN may submit a Statement of Capabilities demonstrating how they meet the advertised requirement. This Statement of Capabilities must be provided via e-mail only to the contact person identified in Section 12 of the Notice on or before the closing date and time of the Notice. If the Bidder can clearly demonstrate they possess the required capabilities, the requirement will be opened to electronic or traditional bidding processes.

3. Proposed Contractor

University of Toronto
Southern Ontario Centre for Atmospheric Aerosol Research
200 College Street
Toronto, Ontario M5S 3E5

4. Definition of Requirements or Expected Results

The purpose of this contract is for the analysis of approximately 1500 filters (~500 per year) collected between May 2016 and April 2019, with the possibility of two (2) additional one (1) year option periods. This requirement is also to conduct laboratory analyses to develop concentration–response relationships between NO₂, O₃ and depletion of the antioxidants glutathione and ascorbate in a synthetic respiratory tract lining fluid.

The deliverables under the contract will provide an excel database describing the results of the analysis for each filter. Each filter will have a unique identification number assigned by Health Canada. The Crown will own this database.

5. Minimum Requirements

Any interested Supplier must demonstrate by way of a Statement of Capabilities that it meets the following minimum requirements:

- a) Able to analyse a minimum of 500 PM2.5 filters per year for glutathione and ascorbate-related oxidative potential using a simulated respiratory tract lining fluid and must be able to quantify this parameter using a minimum concentration of 40 ug/filter.
- b) Has at least three (3) years' experience, within the last five (5) years, in evaluating the oxidative potential of PM2.5 samples and must have at least 2 scientific manuscripts published in reputable peer-reviewed scientific journals using the above assay in the context of epidemiological studies.
- c) Able to conduct the glutathione and ascorbate-related oxidative potential assay and the Dithiolthreitol (DTT) assay using the same filter extract.
- d) Has the equipment, knowledge and expertise to develop a concentration-response relationship between glutathione and ascorbate-related oxidative potential and the gaseous pollutants NO2 and O3. This work must commence within 1-month of contract award.
- e) Has at least fifteen (15) years' experience in ground-based monitoring of air pollution (i.e. particulate matter) in Canada, and analysis of Canadian data and land use regression modelling of air pollutants.

6. Reason for Non-Competitive Award

Section 6 of the Government Contracts Regulations contains four exceptions that permit the contracting authority to set aside the requirement to solicit bids. These are:

- (d) Only One Person or Firm is capable of performing the contract.

10.2.5 Exception (d) sets competitive bidding aside when only one person or firm can do the job. This exception is quite definitive and should be invoked only where patent or copyright requirements, or technical compatibility factors and technological expertise suggest that only one contractor exists. This exception should not be invoked simply because a proposed contractor is the only one known to management.

7. Applicable trade Agreements and Justification for Limited Tendering

This procurement is subject to the following:

Agreement on Internal Trade (AIT), Article 506.12(b)

World Trade Organization (WTO), Article XV.1(b)

North American Free Trade Agreement (NAFTA), Article 1016.2(b)

Canada-Chile Free Trade Agreement (CCFTA), Article 09.1(b)

Canada-Peru Free Trade Agreement (CPFTA), Article 1409.1(b)

Canada-Panama Free Trade Agreement (CPaFTA), Article 16.10.1(b)

Canada-Colombia Free Trade Agreement (CCoFTA), Article 1409.1(b)

Canada-Honduras Free Trade Agreement (CHFTA), Article 17.11.1(b)

The above Articles allow for limited tendering when the products or services can be supplied only by a particular Supplier and no reasonable alternative or substitute exists.

8. Ownership of Intellectual Property

The Contractor will own Intellectual Property.

9. Period of the Proposed Contract

The contract period shall be from date of contract award until March 31, 2019 with the possibility of extending the contract by up to two (2) additional one (1) year option periods under the same terms and conditions.

10. Estimated Value of the Proposed Contract

The total estimated value of the proposed contract (including option periods) should not exceed \$700,000.00, including travel and living expenses (if applicable), and all applicable taxes.

11. Closing Date and Time

The Closing Date and Time for accepting Statements of Capabilities is May 5th, 2016, 2 p.m. EST.

12. Contact Person

All enquiries must be addressed by e-mail to:

Name: Garvin Suepaul

E-Mail: garvin.suepaul@hc-sc.gc.ca