

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**
**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
**800 Burrard Street, 2nd Floor
800, rue Burrard, 2e étage
Vancouver, BC V6Z 0B9
Bid Fax: (604) 775-7526**

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet Total Nitrogen Analyzer	
Solicitation No. - N° de l'invitation 01555-140381/A	Date 2013-12-02
Client Reference No. - N° de référence du client 01555-140381	
GETS Reference No. - N° de référence de SEAG PW-\$VAN-532-7150	
File No. - N° de dossier VAN-3-36209 (532)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-01-13	Time Zone Fuseau horaire Pacific Standard Time PST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Takasaki, Alan H.	Buyer Id - Id de l'acheteur van532
Telephone No. - N° de téléphone (604) 775-7605 ()	FAX No. - N° de FAX (604) 775-7526
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF AGRICULTURE AND AGRI-FOOD AGRICULTURE AND AGRI-FOOD CANADA RESEARCH CENTRE 6947 #7 HIGHWAY AGASSIZ British Columbia V0M1A0 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada - Pacific
Region
800 Burrard Street, 12th Floor
800, rue Burrard, 12e étage
Vancouver, BC V6Z 0B9

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

01555-140381/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

van532

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

01555-140381

VAN-3-36209

TITLE

Total Nitrogen (N) Analyzer and Total Carbon, Nitrogen Sulfur (CNS) Analyzer

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this bid solicitation.

2. Requirement

The requirement is detailed under Article 2 of the resulting contract clauses.

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than fourteen (14) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a

proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

- Section I: Technical Bid (2 hard copies)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Bidder may submit a Technical and Financial bid on one or both analyzers.

Section I: Technical Bid

The technical bid consists of the following:

a. Bid Submission Form: Bidders are requested to include the Bid Submission Form with their bids. It provides a common form in which bidders can provide information required for evaluation and contract award, such as a contact name, the Bidder's Procurement Business Number, the Bidder's status under the Federal Contractors Program for Employment Equity, etc. Using the form to provide this information is not mandatory, but it is recommended. If Canada determines that the information required by the Bid Submission Form is incomplete or requires correction, Canada will provide the Bidder with an opportunity to do so.

b. Substantiation of Technical Compliance Form: The technical bid must substantiate the compliance of the Bidder and its proposed solution with the specific articles of Annex A (Requirement) identified in the Substantiation of Technical Compliance Form, which is the requested format for providing the substantiation. The Substantiation of Technical Compliance Form is not required to address any parts of this bid solicitation not referenced in the form

Where Canada determines that the substantiation is not complete, the Bidder will be declared non-responsive and disqualified. The substantiation may refer to additional documentation submitted with the bid - this information can be referenced in the "Reference" column of the Substantiation of Technical Compliance Form, where bidders are requested to indicate where in the bid the reference material can be found, including the title of the document, and the page and paragraph numbers; where the reference is not sufficiently precise, Canada may request that the Bidder direct Canada to the appropriate location in the documentation.

Section II: Financial Bid

a. Bidders must submit their financial bid in accordance with Annex B, Basis of Payment. The total amount of Applicable Taxes must be shown separately. Unless otherwise indicated, bidders must include a single, firm, all-inclusive price quoted in Canadian dollars in each cell requiring an entry in the pricing B.1 and/or B.2

b. Blank Prices: Bidders are requested to insert "\$0.00" for any item for which it does not intend to charge or for items that are already included in other prices set out in the tables. If the Bidder leaves any price blank, Canada will treat the price as "\$0.00" for evaluation purposes and may request that the Bidder confirm that the price is, in fact, \$0.00. No bidder will be permitted to add or change a price as part of this confirmation. Any bidder who does not confirm that the price for a blank item is \$0.00 will be declared non-responsive.

c. Additional Instructions:

Bidders must provide the price for a complete system, with full documentation for all items included, that will meet the analyses of all the mandatory requirements in Annex A.

For the rated specification, if optional features or components are not included in the proposed system and are considered extra, bidders are requested to provide separate pricing and all documentation for these optional features/components. Since these optional components may be purchased separately, prices for factory installed and field installed are to be provided.

The final purchase will include the instrument as priced to meet essential requirements and may include additional (rated) options/components.

All optional features/components will we consider as Optional Goods and Services and clause 3.2 of Part 6 – resulting Contract Clauses will apply.

1.1 Exchange Rate Fluctuation
C3011T (2010-01-11), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids
- (c) Proposals for the N and CNS analyzer will be evaluated and awarded separately.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

- a. Each bid will be reviewed for compliance with the mandatory requirements of the bid solicitation. Any element of the bid solicitation that are identified specifically with the words "must" or "mandatory" is a mandatory requirement. Bids that do not comply with each and every mandatory requirement will be declared non-responsive and be disqualified.
- b. The mandatory requirements are described in Annex A and Form A.

1.1.2 Point Rated Technical Criteria

Each bid will be rated by assigning a score to the rated requirements, which are identified in the bid solicitation by the word "rated" or by reference to a score. Bidders who fail to submit complete bids with all the information requested by this bid solicitation will be rated accordingly. The rated requirements are described in Annex C.

1.2 Financial Evaluation

- a. The financial evaluation will be conducted by calculating the Total Bid Price (for N analyzer) (Subtotal B.1.1 + Subtotal B.1.2) and (for CNS analyzer) (Subtotal B.2.1 + Subtotal B.2.2) using the Pricing Tables completed by the bidders.

Maximum Funding (Total Bid Prices in Annex B).

The maximum funding available for the Contract resulting from the bid solicitation is **\$95,000.00** (Applicable Taxes extra) for the N Analyzer and **\$100,000.00** (Applicable Taxes extra) for the CNS Analyzer. Bids valued in excess of this amount will be considered non-responsive. This disclosure does not commit Canada to pay the maximum funding available.

b. SACC Manual Clause A0220T (2013-04-25), Evaluation of Price

2. Basis of Selection

2.1 Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:

(a) comply with all the requirements of the bid solicitation; and

(b) meet all mandatory criteria; and

(c) obtain the required minimum of 0 points for the technical evaluation criteria which are subject to point rating.

The rating is performed on a scale of 100 points.

2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.

3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 80 % for the technical merit and 20 % for the price.

4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 80 %.

5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 20 %.

6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.

7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract, provided that the Total Evaluated Price does not exceed the budget available for this requirement.

8. Canada reserves the right to award one or more contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 60/40 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)

		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		55,000	50,000	45,000
Calculations	Technical Merit Score	$115/135 \times 60 = 51.11$	$89/135 \times 60 = 39.56$	$92/135 \times 60 = 40.89$
	Pricing Score	$45/55 \times 40 = 32.73$	$45/50 \times 40 = 36.00$	$45/45 \times 40 = 40.00$
Combined Rating		83.84	75.56	80.89
Overall Rating		1st	3rd	2nd

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and documentation to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default, if any certification made by the Bidder is found to be untrue whether during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with this request will also render the bid non-responsive or will constitute a default under the Contract.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (CFP) for employment equity "[CFP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_eq/emp/fcp/list/inelig.shtml) available from [Human Resources and Skills Development Canada \(HRSDC\) - Labour's](#) website. Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this Contract.

2. Requirement

The Contractor must provide the supply, delivery, installation (optional) and training (optional) of ONE(1) each, Total Nitrogen (TN) Analyzer _____ (Make and Model) and/or Total Carbon, Nitrogen, Sulfur (TCNS) Analyzer _____ (Make and Model) in accordance with the Requirement at Annex "A" and the Contractor's technical bid entitled _____, dated _____.

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

3.2 Optional Goods and/or Services:

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex B of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within 12 months after contract award by sending a written notice to the Contractor.

4. Term of Contract

4.1 Delivery Date

4.1.1 Hardware:

All the deliverables must be received on or before March 31, 2014 or _____. (if earlier)

4.1.2 Installation Acceptance:

The Contractor must make the complete delivery within _____ days from the date of the receipt of the Hardware

4.1.3 Training:

The Contractor must make the complete delivery within _____ days from the date of acceptance of the Installation.

4.2 Shipping Instructions - Free on Board Destination

Goods must be consigned and delivered to the destination specified in the contract:

FOB Destination,

Agriculture and Agrifoods Canada,
Research Centre
6947 # 7 Hwy
Agassiz, BC V0M 1A0
Attn: Dr Shabtai Bittman
Telephone: _____

including all delivery charges and customs duties and Applicable Taxes.

4.3 SACC Manual clause D0018C (2007-11-30) Delivery and Unloading

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Alan Takasaki
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch Vancouver,
Address 219 - 800 Burrard St
Vancouver, BC V6Z 0B9
Telephone: (604)775-7605 Facsimile: (604)775-7526
E-mail address: al.takasaki@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

5.2 Project Authority *(To be provide at Contract award)*

The Project Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : _____ Facsimile: _____
E-mail address: _____

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Contractor's Representative

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____ Facsimile: _____

E-mail address: _____

6. Payment

6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price(s) as specified in Annex B for a cost of \$ _____ (*insert the amount at contract award*). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

6.3 SACC Manual Clause - H1000C (2008-05-12) Single Payment

7. Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - b) one (1) copy must be forwarded to the consignee

8. Certifications

8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____.

10. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2013-04-25),- Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: “, as clarified on _____” or “, as amended on _____” and insert date(s) of clarification(s) or amendment(s)*)

11. SACC Manual Clauses

B7500C (2006-06-16) Excess Goods

B1501C (2006-06-16) Electrical Equipment

ANNEX "A" **REQUIREMENT**

Technical Specifications

Total Nitrogen (N) Analyzer of solid samples
Soils and Environmental Research
Pacific Agri-Food Research Centre (PARC), Agassiz, B.C.

1.0 Introduction

The N instrument is required for a variety of current and anticipated research studies at PARC for a range of field, laboratory and greenhouse programs. The potential range of studies will include those related to nutrient dynamics in soil-plant-atmosphere systems especially in relation to nitrogen, waste management, composting and post-harvest physiology of human and animal food. The N instrument will be used to continue analyses of long-term research trial samples that have been analyzed for Total N to date with an N analyzer over a period of 19 years. Analyses performed by the instrument could be for one of two general research purposes:

- i. "routine" analyses of numerous experimental samples including long-term research experiments, and
- ii. analyses of research samples for methods development and evaluation oriented research.

2.0 Mandatory requirements of the N Analyzer

The Nitrogen Analyzer must

- 2.1 measure total nitrogen (TN) in a wide variety of materials including, but not limited to, soils, fertilizers, plants, organic residues, foods and livestock feeds;
- 2.2 have a low operator requirement (analysis and data management, automated sample introduction that has an auto loading capacity of at least 100 samples);
- 2.3 include an operator, technical, maintenance manual(s) and spare parts catalogue;
- 2.4 include a minimum one year warranty;
- 2.5 include on-site training;
- 2.6 include all components and accessories (e.g. cabling, tubing, connectors, regulators, startup and initial maintenance supplies, etc) for operation;
- 2.7 be based on the Dumas method of combustion;
- 2.8 analyze TN in no more than 5 minutes;
- 2.9 allow sample residue removal without cooling down the system;
- 2.10 allow a sample size of up to 500mg;
- 2.11 have a Windows® based operating software for compatibility with workplace computer networks; and
- 2.12 meet CSA safety regulations; Electrical Equipment for Measurement, Control and Laboratory Use.

Annex A Requirement

Technical Specifications Total Carbon, Nitrogen and Sulfur (CNS) Analyzer of solid samples Soils and Environmental Research Pacific Agri-Food Research Centre (PARC), Agassiz, B.C.

1. Introduction

The CNS instrument is required for a variety of current and anticipated research studies at PARC for a range of field, laboratory and greenhouse programs. The potential range of studies will include those related to nutrient dynamics in soil-plant-atmosphere systems especially in relation to carbon, nitrogen and sulfur, carbon sequestration, waste management, composting and post-harvest physiology of human and animal food. The CNS instrument will be used to continue analyses of long-term research trial samples that have been analyzed for Total C, N and S to date with a CNS analyzer over a period of 17 years. Analyses performed by the instrument could be for one of two general research purposes:

- i. “routine” analyses of numerous experimental samples including long-term research experiments, and
- ii. analyses of research samples for methods development and evaluation oriented research

2. Mandatory requirements of the Total Carbon, Nitrogen and Sulfur (CNS) Analyzer

The CNS Analyzer must

- 2.1 measure total nitrogen (TN), total sulfur (TS) and total nitrogen (TN) in a wide variety of materials including, but not limited to, soils, fertilizers, plants, organic residues, foods and livestock feeds;
- 2.2 have a low operator requirement (analysis and data management, automated sample introduction that has an autoloading capacity of at least 50 samples.);
- 2.3 include an operator, technical, maintenance manual(s) and spare parts catalogue;
- 2.4 include a minimum one year warranty;
- 2.5 include on-site training;
- 2.6 include all components and accessories (e.g. cabling, tubing, connectors, regulators, startup and initial maintenance supplies, etc) for operation;
- 2.7 be based on the Dumas method of combustion;
- 2.8 analyze TC, TS and TN in no more than 5 minutes;
- 2.9 allow sample residue removal without cooling down the system;
- 2.10 allow for a sample size of up to 1.0 gram for TC and TN;
- 2.11 have a Windows® based operating software for compatibility with workplace computer networks; and
- 2.12 meet CSA safety regulations; Electrical Equipment for Measurement, Control and Laboratory Use.

ANNEX "B"

Basis of Payment

B.1 TOTAL NITROGEN ANALYZER

Table B.1.1 – Initial Order

Item #	Description	Qty	U of I	Unit price	Extended total
1	Total Nitrogen Analyzer Make and Model _____	1	EA	\$	\$

Subtotal B.1.1 \$

Table B.1.2: Optional Services

2	Installation	1	lot	\$	\$
3	Training	1	lot	\$	\$

Subtotal B.1.2 \$

Annex B (cont.)

B.2 - TOTAL CARBON NITROGEN SULPHUR (CNS) ANALYZER

Table B.2.1– Initial Order

Item #	Description	Qty	U of I	Unit price	Extended total
1	Total CNS Analyzer Make and Model _____	1	EA	\$	\$

Subtotal B.2.1 \$

Table B.2.2.: Optional Goods or Services

2	Installation	1	lot	\$	\$
3	Training	1	lot	\$	\$

Subtotal B.2.2 \$

ANNEX C

Point - rated Technical Criteria

Some specifications may require the inclusion of optional equipment. While these various options may or may not form part of the system purchased, their availability and technical details may significantly affect the points awarded.

Bidders: Write beside each of the criteria the relevant page number(s) from your proposal which addresses the requirement identified in the criteria. Please provide a written description of how each requirement is met. Score column reserved for the evaluation team.		
Total Nitrogen (TN) Analyzer - Criteria	Pg #	Score
1. Repeatability and Completeness of combustion The rating will be done primarily on repeatability of values presented and evidence of complete combustion. The temperature oxygen combination will be rated on a relative scale (no minimum mark) <ul style="list-style-type: none"> a) Bidders are to provide information on the ability of the instrument to provide complete combustion of the sample, including the highest temperature control level it can obtain, and what level of an oxygen environment the instrument is able to achieve. 		/30
2. Compatibility with PARC's existing Leco FP428 N analyzer; Evidence that results are consistent with LecoFP428, closeness of values across the range of 0.5to 4% N gets the highest marks; linear correlation gets the next highest mark, Linear correlation with zero intercept and non- linear gets low ratings; no data or poor data gest lowest rating (no min. mark) <ul style="list-style-type: none"> a) Bidders are to identify how their N instrument's N values compare to the Leco FP428 N's TN values. b) Bidders are to identify any regression equations, conversion factors, etc required to equate TN values for their N analyzer and TN values for a Leco FP428 N analyzer. c) Bidders are to identify if there is a need to run side-by-side comparisons (in order to develop regressions, conversions, etc.) between their N analyzer and the Leco FP428 N analyzer in order to provide continuity of TN analysis values with 19 years of PARC historical data. 		/30
3 Instrument/precision range and repeatability Instruments will be rated relative to each other on a 4,3,3 scale for each of items below (no minimum mark) <ul style="list-style-type: none"> a) Bidders are to identify the instrument range for TN for their largest sample. b) Bidders are to identify the precision range for TN for their largest sample. c) Bidders are to identify the readability for TN. 		/10
4 Automation and low degree of user maintenance Instruments will be ranked on relative ease of use and low maintenance. (no min mark) <ul style="list-style-type: none"> a) Bidders are to detail features (software and/or hardware) which the instrument has to enhance automated sample documentation/management/analysis, data management/reporting and quality assurance. b) Bidders are to detail the amount of analyses that the instrument can perform before changes are required in chemical reagents. 		/5

Bidders: Write beside each of the criteria the relevant page number(s) from your proposal which addresses the requirement identified in the criteria. Please provide a written description of how each requirement is met. Score column reserved for the evaluation team.		
Total Nitrogen (TN) Analyzer - Criteria	Pg #	Score
5 Safety Each hazardous chemical use will deduct one mark down to zero (no min. mark) a) Bidders are to detail the ability of the instrument to keep users from exposure to hazardous chemical reagents that may be present in the combustion gases.		/10
6 Operating costs Instruments will be ranked starting at 5 (no minimum mark) a) Bidders are to detail the estimated costs for sample analyses, and instrument maintenance and repair. This can be shown by typical costs per 1000 samples for consumable supplies, or prepaid extended warranty/maintenance contracts that are offered and/or of service costs.		/5
7 Compatibility for data input and output devices Any limitations in compatibility with input and output devices will be deducted (no minimum mark) a) Bidders are to detail the compatibility of the instrument to engage in external input and output actions with devices such as printers and balances.		/5
8 Customer service/support Companies will be rated for evidence of technical support and on list of users that can be contacted for references. (no minimum mark) a) Bidders are to detail the type of support made available to customers for routine analyses and for methods development/evaluation. Is there a charge/cost to the customer? b) Bidders are to provide up to 3 users (i.e. references) of the instrument to be supplied (and/or one similar to it if it is quite new).		/5
Total Points		/100

ANNEX C (Cont)

Point - rated Technical Criteria

Some specifications may require the inclusion of optional equipment. While these various options may or may not form part of the system purchased, their availability and technical details may significantly affect the points awarded.

Bidders: Write beside each of the criteria the relevant page number(s) from your proposal which addresses the requirement identified in the criteria. Please provide a written description of how each requirement is met. Score column reserved for the evaluation team.

Total Carbon, Nitrogen and Sulfur (CNS) Analyzer - Criteria	Pg #	Score
1. Repeatability and Completeness of combustion The rating will be done primarily on repeatability of values presented and evidence of complete combustion. The highest temperature and oxygen level combination will be rated on a relative scale (no minimum mark) Bidders are to provide information on the ability of the instrument to provide complete combustion of the sample, including the highest temperature control level it can obtain, and what level of an oxygen environment the instrument is able to achieve.		/30
2. Compatibility with PARC's existing Leco CNS2000 analyzer; Evidence that results are consistent with Leco CNS2000, closeness of values across the range of 0.5to 4% TN gets the highest marks; linear correlation gets the next highest mark, Linear correlation with zero intercept and non- linear gets low ratings; no data or poor data gets lowest rating (no min. mark) d) Bidders are to identify how their CNS instrument's CNS values compare to the Leco CNS2000's TC, TN and TS values. e) Bidders are to identify any regression equations, conversion factors, etc required to equate TN values for their N analyzer and TN values for a Leco CNS2000 analyzer. f) Bidders are to identify if there is a need to run side-by-side comparisons (in order to develop regressions, conversions, etc.) between their CNS analyzer and the Leco CNS2000 analyzer in order to provide continuity of TC, TN and TS analysis values with 17 years of PARC historical data.		/30
3. Instrument/precision range and repeatability Instruments will be rated relative to each other on a 2,2,2,2,2 scale for each of items below (no minimum mark) a) Bidders are to identify the instrument range for a 0.2 gram sample for TC, TS and TN, b) Bidders are to identify the precision range for a 0.2 gram sample for TC, TS and TN, c) Bidders are to identify the degree of repeatability for TC, TS and TN, d) Bidders are to identify the readability for TC, TS and TN, e) Bidders are to detail the ability of the instrument to provide independent detectors for the elements of Carbon, Nitrogen and Sulfur		/10
4 Automation and low degree of user maintenance Instruments will be ranked on relative ease of use and low maintenance. (no min mark) a) Bidders are to detail features (software and/or hardware) which the instrument has to enhance automated sample documentation/management/analysis, data management/reporting and quality assurance.		/5

Bidders: Write beside each of the criteria the relevant page number(s) from your proposal which addresses the requirement identified in the criteria. Please provide a written description of how each requirement is met. Score column reserved for the evaluation team.

Total Carbon, Nitrogen and Sulfur (CNS) Analyzer - Criteria	Pg #	Score
b) Bidders are to detail the instruments ability to use large reusable sample introduction vessels, and the quantity of solid or liquid sample that the vessel can hold. c) Bidders are to detail the amount of analyses that the instrument can perform before changes are required in chemical reagents. d) Bidders are to detail the instruments ability to do automatic systems checks that ensure that the instrument is performing to specifications including but not limited to temperature and pressure controls, switches and solenoid operation and network communications e) Bidders are to ensure that the software has the ability for the user to assign counters to assist in routine maintenance procedures.		
5 Safety Each hazardous chemical use will deduct one mark down to zero (no min. mark) a) Bidders are to detail the ability of the instrument to keep users from exposure to hazardous chemical reagents that may be present in the combustion gases.		/10
6 Operating costs Instruments will be ranked starting at 5 (no minimum mark) a) Bidders are to detail the estimated costs for sample analyses, and instrument maintenance and repair. This can be shown by typical costs per 1000 samples for consumable supplies, or prepaid extended warranty/maintenance contracts that are offered and/or of service costs.		/5
7 Compatibility for data input and output devices Any limitations in compatibility with input and output devices will be deducted (no minimum mark) a) Bidders are to detail the compatibility of the instrument to engage in external input and output actions with devices such as printers and balances.		/5
8 Customer service/support Companies will be rated for evidence of technical support and on list of users that can be contacted for references. (no minimum mark) a) Bidders are to detail the type of support made available to customers for routine analyses and for methods development/evaluation. Is there a charge/cost to the customer? b) Bidders are to provide up to 3 users (i.e. references) of the instrument to be supplied (and/or one similar to it if it is quite new).		/5
Total Points		/100

Solicitation No. - N° de l'invitation
01555-140381/A
Client Ref. No. - N° de réf. du client
01555-140381

Amd. No. - N° de la modif.
File No. - N° du dossier
VAN-3-36209

Buyer ID - Id de l'acheteur
van532
CCC No./N° CCC - FMS No/ N° VME

FORMS

FORM A - BID SUBMISSION FORM

BID SUBMISSION FORM (A)		
Bidder's full legal name		
Authorized Representative of Bidder for evaluation purposes (e.g., clarifications)	Name	
	Title	
	Address	
	Tel #	
	Fax #	
	Email	
Bidder's Procurement Business Number (PBN) [see the Standard Instructions 2003]		
Jurisdiction of Contract: Province in Canada the bidder wishes to be the legal jurisdiction applicable to any resulting contract (if other than as specified in solicitation)		
Signature of Authorized Representative of Bidder		

FORM B: Substantiation of Technical Compliance Form

Form B: TN Analyzer- Substantiation of Technical Compliance Form				
Sec	Description	Comply		Comments / References page #
		Yes	No	
	Make and Model			
2.0	Mandatory requirements of the Total Nitrogen (N) Analyzer			
	The TN Analyzer must			
2.1	measure total nitrogen (TN) in a wide variety of materials including, but not limited to, soils, fertilizers, plants, organic residues, foods and livestock feeds;			
2.2	have a low operator requirement (analysis and data management, automated sample introduction that has an auto loading capacity of at least 100 samples)			
2.3	include an operator, technical, maintenance manual(s) and spare parts catalogue;			
2.4	include a minimum one year warranty;			
2.5	include on-site training;			
2.6	include all components and accessories (e.g. cabling, tubing, connectors, regulators, startup and initial maintenance supplies, etc) for operation;			
2.7	be based on the Dumas method of combustion;			
2.8	analyze TN in no more than 5 minutes;			
2.9	allow sample residue removal without cooling down the system;			
2.10	allow a sample size of up to 500mg;			
2.11	have a Windows® based operating software for compatibility with workplace computer networks; and			
2.12	meet CSA safety regulations; Electrical Equipment for Measurement, Control and Laboratory Use.			

FORM B: Substantiation of Technical Compliance Form

Form B: TCNS Analyzer- Substantiation of Technical Compliance Form				
Sec	Description	Comply		Comments / References page #
		Yes	No	
	Make and Model			
2.0	Mandatory requirements of the Total Carbon Nitrogen Sulfur(CNS) Analyzer			
	The TCNS Analyzer must			
2.1	measure total carbon (TC), total sulfur (TS) and total nitrogen (TN) in a wide variety of materials including, but not limited to, soils, fertilizers, plants, organic residues, foods and livestock feeds;			
2.2	have a low operator requirement (analysis and data management, automated sample introduction that has an autoloading capacity of at least 50 samples.);			
2.3	include an operator, technical, maintenance manual(s) and spare parts catalogue;			
2.4	include a minimum one year warranty;			
2.5	include on-site training;			
2.6	include all components and accessories (e.g. cabling, tubing, connectors, regulators, startup and initial maintenance supplies, etc) for operation;			
2.7	be based on the Dumas method of combustion;			
2.8	analyze TC, TS and TN in no more than 5 minutes;			
2.9	allow sample residue removal without cooling down the system;			
2.10	allow for a sample size of up to 1.0 gram for TC and TN;			
2.11	have a Windows® based operating software for compatibility with workplace computer networks; and			
2.12	meet CSA safety regulations; Electrical Equipment for Measurement, Control and Laboratory Use.			

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VAN-3-36209

Buyer ID - Id de l'acheteur
van532
CCC No./N° CCC - FMS No/ N° VME

NOTE TO BIDDERS: Please use ONE of the two mailing labels below and affix it securely to the outside of the envelope or package containing your bid submitted by mail or courier. For bids submitted by facsimile (Bid receiving fax (604) 775-7526), use this sheet as the cover sheet. Always ensure your company name, return address, open bidding solicitation number and closing date appear legibly on the outside of your bid submission.

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Bid Receiving
Public Works & Government Services Canada
2nd FLOOR - 800 BURRARD STREET
VANCOUVER BC V6Z 0B9

Solicitation No. : 01555-140381/A

Solicitation Closes at : 14:00 PT
on : January 13 2014

Réception des soumissions
Travaux publics et services gouvernementaux Canada
800 rue Burrard, 2e étage
Vancouver (C.-B) V6Z 0B9

N° de l'invitation : 01555-140381/A

La réception des soumissions prend fin le : 13 janvier 2014
à : 14:00 PT
