



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada

189 Prince William St Rm 405

189, rue Prince William, pièce 405

Saint-John, NB E2L 2B9

Bid Fax: (506) 636-4376

INVITATION TO TENDER

APPEL D'OFFRES

**Tender 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.

Soumission 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 et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Saint John, NB (STJ)

189 Prince William St., Rm 405

189, rue Prince William, Pc 405

St. John, NB E2L 2B9

Title - Sujet NA benchtop NMR	
Solicitation No. - N° de l'invitation 23240-180139/A	Date 2017-07-17
Client Reference No. - N° de référence du client 23240-180139	GETS Ref. No. - N° de réf. de SEAG PW-\$STJ-005-4158
File No. - N° de dossier STJ-7-40035 (005)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-08-29	
Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Lomax (STJ), Sandra	Buyer Id - Id de l'acheteur stj005
Telephone No. - N° de téléphone (506) 636-4362 ()	FAX No. - N° de FAX (506) 636-4376
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

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	

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There are no security requirements associated with this bid solicitation

1.2 Requirement - Bid

The Work to be performed is detailed under Article 2 of the resulting contract clauses

(Derived from - Provenant de: B4007T, 2014/06/26)

1.3 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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

2.1 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) (<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 (2015/07/03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 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.

- a) Bids must be complete and submitted on prescribed tender form;
- (b) Include the tender call number/project number and description of proposed work;
- (c) Include the closing date and time;
- (d) Must be received prior to bid closing time and at the designated place and facsimile number - FACSIMILE NUMBER IS (506-636-4376).

NOTE: FACSIMILE BIDS

Only incorrect handling by the Department of Public Works and Government Services will excuse the delay of responses transmitted by facsimile. Misrouting, traffic volume, weather disturbances, or any cause for the late receipt of such responses are not acceptable.

**Bid Receiving
Public Works and Government Services Canada
Room 421
189 Prince William Street
Saint John, New Brunswick
E2L 2B9
FACSIMILE NUMBER - 506-636-4376**

2.2.1 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least seven (7) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

(Derived from - Provenant de: A9076T, 2007/05/25)

2.3 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

For the purposes of this clause,

"former public servant" is any former member of a department as defined in the [Financial Administration Act](#), R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a) an individual;
- b) an individual who has incorporated;
- c) a partnership made of former public servants; or
- d) a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

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"pension" means a pension or annual allowance paid under the Public Service Superannuation Act (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the Supplementary Retirement Benefits Act, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the Canadian Forces Superannuation Act, R.S., 1985, c.C-17, the Defence Services Pension Continuation Act, 1970, c.D-3, the Royal Canadian Mounted Police Pension Continuation Act, 1970, c.R-10, and the Royal Canadian Mounted Police Superannuation Act, R.S., 1985, c.R-11, the Members of Parliament Retiring Allowances Act, R.S., 1985, c.M-5, and that portion of pension payable to the Canada Pension Plan Act, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes** (☐) **No** (☐)

If so, the Bidder must provide the following information, for all FPS in receipt of a pension, as applicable:

- a) name of former public servant;
- b) date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes** (☐) **No** (☐)

If so, the Bidder must provide the following information:

- a) name of former public servant;
- b) conditions of the lump sum payment incentive;
- c) date of termination of employment;
- d) amount of lump sum payment;
- e) rate of pay on which lump sum payment is based;
- f) period of lump sum payment including start date, end date and number of weeks;
- g) number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

(Derived from - Provenant de: A3025T, 2014/06/26)

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) 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 question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.5 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **New Brunswick**.

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

3.1 Bid Preparation Instructions

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

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

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft 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.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment in Annex "B". The total amount of Applicable Taxes must be shown separately.

3.1.1 Exchange Rate Fluctuation

C3011T (2013/11/06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 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.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Mandatory Technical Criteria as specified in Annex "C"

4.1.2 Financial Evaluation

SACC Manual Clause A0220T (2014/06/26), Evaluation of Price (*if applicable*)

4.2 Basis of Selection

SACC Reference	Section	Date
A0031T	Basis of Selection - Mandatory Technical Criteria	2010/08/16

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information 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 made knowingly or unknowingly, 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 and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.1.1 Integrity Provisions – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

5.1.2 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 (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - 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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex [Federal Contractors Program for Employment Equity - Certification](#), before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

There is no security requirement applicable to this Contract.

6.2 Requirement

Statement of Work - Contract

The Contractor must provide the items detailed under the "Requirement" at Annex "A".

(Derived from - Provenant de: B4008C, 2014/06/26)

6.3 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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2010A](#) (2015/07/03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

The goods must be received 4-6 weeks after award

(Derived from - Provenant de: A9022C, 2007/05/25)

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Sandra Lomax
Title: Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
Address: 189 Prince William St
Saint John, New Brunswick
E2L 2B9

Telephone: (506) 636-4362
Facsimile: (506) 636-4376
E-mail address: Sandra.lomax@pwgsc-tpsgc.gc.ca

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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.

6.5.2 Project Authority

The Project Authority for the Contract is: *will be identified at contract award*

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.

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: _____
Facsimile: _____
E-mail: _____

6.6 Payment

6.6.1 Basis of Payment - Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price, as specified in Annex B for a cost of \$ _____ (insert the amount of the contract award)

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.

(Derived from - Provenant de: C0207C, 2013/04/25)

6.6.2 Limitation of Price

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

(Derived from - Provenant de: C4005C, 2014/06/26)

6.6.3 Terms of Payment

SACC Manual Clause H1000C (2008/05/12) Single Payment

6.7 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.

(Derived from - Provenant de: H5001C, 2008/12/12)

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, 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.

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6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **New Brunswick**

6.10 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 (2015/07/03), General Conditions - Goods (Medium Complexity
- (c) Annex A, Requirement;
- (d) the Contractor's bid dated _____

Annex "A"

Statement of Work

SW.1.0 TITLE

Acquisition of a benchtop NMR spectrometer.

SW.2.0 BACKGROUND

Nuclear Magnetic Resonance (NMR) is among the most powerful technology a chemist has to fully identify a chemical structure of a pure chemical. It is the same technology as MRI found in hospitals with the exception that 5mm glass tubes are inserted instead of whole human bodies. This makes the instrument much more compact than a MRI. The chief property that defines the quality of a NMR spectrometer is its field strength in megahertz (MHz) where higher fields yield higher resolution information. However, stable higher fields are usually only achieved using a superconductor magnet system that is cooled with, first, a reservoir of liquid helium and then a reservoir of liquid nitrogen to help retain liquid helium longer.

A 60 MHz permanent magnet designed for quick screening and routine analysis is a much more cost effective solution with hardly any operational budget need – no cryogenics, just 120V power. When higher resolution analysis is required, samples can be sent out as needed. Having this capacity on site will save time waiting on access to higher resolution instrument.

Our group studies the pheromone systems that insects utilize for various reasons. The chemical or blend of chemicals (individually identified) is usually very specific and reproducing the exact chemical structure usually is the difference between yes and no effect. Once we identify a possible chemical target, we either purchase it or synthesize it in the laboratory. NMR is always employed to confirm the product of a synthetic intermediate or final compound before it is tested in assays or field trials. It is usually futile to test compounds of unknown purity or structure on target systems since the insect only reacts with the right chemical or blend.

SW.3.0 OBJECTIVES

Once a contract is awarded, the contractor will produce or assemble the instrument and ship it to our facility in Fredericton NB. Once delivered, a representative of the contractor will travel to our facility and install the instrument, confirm its operational status and train staff in its use, which will be mostly software related. Alternatively, if the instrument is plug and play, unpacking and installation can be done by the purchaser with a video session for software training.

SW.4.0 PROJECT REQUIREMENTS

SW.4.1 Tasks, Deliverables, Milestones and Schedule

Tasks/Activities	Deliverables/Milestones	Time Schedule	Constraints
<i>Instrument delivery</i>	<i>Instrument is assembled, shipped and arrives intact to the intended address</i>	<i>4-6 weeks</i>	<i>Completed by March 31st 2018</i>
<i>Installation and training option 1</i>	<i>On site unpacking, ensuring operation and staff training</i>	<i>Max 5 business days</i>	<i>Completed by March 31st 2018</i>
<i>Installation and training option 2</i>	<i>Purchaser unpacks and plugs instrument to initialize</i>	<i>Max 2 business days</i>	<i>March 31st 2018</i>

SW.4.2 Reporting Requirements

Once the contract is awarded, a shipment notice from the contractor indicates that the instrument is bound for its final destination. Dates are scheduled for installation and training. The goods receipt can then be produced and approval of fund transfer by the project authority, which then finalizes the contract.

Training may require use of a board room equipped with a projector if the contractor deems it necessary but it is expected that hands on training will be the main practice.

SW.4.3 Method and Source of Acceptance

Once the instrument is rendered operational, its performance quality is evaluated against standard samples with known expected results. The data from these samples must fall within the manufacturer's tolerance. Only when this is satisfactory will training occur.

Successful training is achieved when the new users are able to analyze samples on their own and produce data reports.

All deliverables and services rendered under any contract are subject to inspection by the Project Authority. The Project Authority shall have the right to reject any deliverables that are not considered satisfactory, or require their correction before payment will be authorized.

SW.4.4 Specifications and Standards

Same as SW.4.3

SW.4.5 Technical, Operational and Organizational Environment

The instrument is to be installed in the chemistry laboratory (room 3.205) where synthetic chemistry and purifications of mixtures are performed. The ultimate end users are the chemists on site.

SW.5.0 OTHER TERMS AND CONDITIONS OF THE SOW

SW.5.1 Contractor's Obligations

Title to the equipment/furnishings charged against this Contract shall vest in Canada upon payment of invoiced amounts and shall remain so vested at all times.

For each item of equipment/furnishings that is purchased, the Contractor is to record the name, manufacturer, model number, serial number, optional equipment, supplier and price and forward this information to the Project Authority.

The Contractor shall label all equipment/furnishings as being the property of Canada.

Notwithstanding the fact that the equipment/furnishings under this Contract become vested in Canada, the equipment/furnishings shall remain within the custody and control of the Contractor until such time as the Project Authority provides instructions for its delivery. During this period of time, the Contractor shall take reasonable and proper care of the equipment/furnishings.

SW.5.2 NRCan's Obligations

- *access to facilities via a visitors pass and main user(s) to escort and/or be present at all times as described by security policies concerning visitors.*
- *access to a staff member who will be available to coordinate activities*

SW.5.3 Estimated Period of the Contract

Two calendar months to allow for instrument assembly, testing, shipping, installation, calibration and training.

SW.5.4 Location of Work, Work Site and Delivery Point

Work site and delivery will be Natural Resources Canada within the Hugh John Flemming Forestry Center located at 1350 Regent street, Fredericton NB, E3C 2G6.

SW.5.5 Language of Work

Preference of English for language of work but French can also be accommodated.

SW.5.6 Insurance Requirements

It is the sole responsibility of the Contractor to decide whether or not any insurance coverage is necessary for its own protection or to fulfill its obligations under the Contract, and to ensure compliance with required federal, provincial or municipal law. Any such insurance shall be provided and maintained by the Contractor at its own expense.

SW.6.0 REQUIRED RESOURCES OR TYPES OF ROLES TO BE PERFORMED

The contractor will unpack (with assistance if required) the instrument, initialize it, calibrate it (if required) and ensure its proper function, provide user training and possess any unique tool required to achieve the outlined tasks.

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23240-180139
Client Ref. No. - N° de réf. du client
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Amd. No. - N° de la modif.
File No. - N° du dossier
STJ-7-40035

Buyer ID - Id de l'acheteur
STJ005
CCC No./N° CCC - FMS No./N° VME

Annex "B"

The Contractor is to provide the following items, in the following quantities, to Natural Resources Canada located at 1350 Regent street, Fredericton NB, E3C 2G6.

All deliverables must be received 4-6 weeks after award

Item	Description	Quantity	Price
1	Benchtop nuclear magnetic resonance (NMR) instrument	1 lot	\$ _____
2	Shipping Charges	1 lot	\$ _____
3	Installation Fees	1 lot	\$ _____
4	Basic Training Fees	1 lot	\$ _____
Total Costs			\$ _____

ANNEX "C"

REQUIREMENT

MANDATORY REQUIREMENTS:

The complete specifications and/or descriptive literature should be submitted with the proposal but may be submitted afterwards. If the complete specifications and/or descriptive literature are not submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet this requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive

Any proposal which fails to meet all mandatory requirements will be deemed non-responsive. Each requirement should be addressed separately.

Technical Specifications		Comply Yes/No	Supplier's Cross Reference to Technical Offer (indicate page #)	Supplier's Comments
1.	Benchtop nuclear magnetic resonance (NMR) instrument			
1.1	Magnet field must be 60 MHz and have a 20+ year life expectancy			
1.2	Must have sufficient magnetic field shielding as to not pose interaction risks with nearby metallic and magnetic objects from user and people passing nearby			
1.3	Must have a built-in touchscreen computer and an available option of operating off a PC			
1.4	Data files must be compatibility with most common 3rd party software (MNova, JCamp-DX, TopSpin, Labview, Delta, ACD, etc.)			
1.5	External connections: Ethernet, wifi, usb, HDMI, etc.			
1.6	Must have a footprint smaller than 50 cm in all directions and must be less than 30 kg			
1.7	Must be able to analyze both 1H and 13C nuclei on same instrument			
1.8	Must be able to perform 2D experiments such as COSY, HSQC and HETCOR.			
1.9	Must use 5 mm NMR tubes for sampling method			
1.10	Must use a manual sample loading mechanism – in case compressed air is not available			

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