



**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, Room 219**  
**800, rue Burrard, pièce 219**  
**Vancouver, BC V6Z 0B9**

**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**

<b>Title - Sujet</b> Ultracentrifuge	
<b>Solicitation No. - N° de l'invitation</b> 01550-170510/A	<b>Date</b> 2016-09-12
<b>Client Reference No. - N° de référence du client</b> 01550-170510	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$VAN-532-7867	
<b>File No. - N° de dossier</b> VAN-6-39154 (532)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2016-10-24</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Daylight Saving Time PDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Takasaki, Alan H.	<b>Buyer Id - Id de l'acheteur</b> van532
<b>Telephone No. - N° de téléphone</b> (604) 775-7605 ( )	<b>FAX No. - N° de FAX</b> (604) 775-7526
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF AGRICULTURE AND AGRI-FOOD 4200 HWY 97 PO Box 9000 SUMMERLAND British Columbia V0H1Z0 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  
219 - 800 Burrard Street  
800, rue Burrard, pièce 219  
Vancouver, BC V6Z 0B9

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

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**Title: Ultracentrifuge**

## **PART 1 - GENERAL INFORMATION**

### **1.1 Summary**

Summerland Research and Development Centre (SuRDC) has a requirement for the supply, delivery, installation, and training of one (1) new Ultracentrifuge that must be compatible with existing Beckman rotors. Delivery is to SuRDC, Summerland, BC on or before March 31, 2017

### **1.2 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.

### **1.3 Trade Agreements**

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

## **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-guidelinesstandard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelinesstandard-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](#) (2016-04-04) 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: 60 days

Insert: 120 days

### **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.

**Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.**

### **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than 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 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.

## **2.4 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.

## **2.5 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 20 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

## **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 (2 hard copies) and 1 soft copy on USB preferred.

Section II: Financial Bid (2 hard copies)

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 must demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements.

The technical bid consists of the following:

- i. 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.
- ii. Substantiation of Technical Compliance:** 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. The substantiation must not simply be a repetition of the requirement(s), but must explain and demonstrate how the Bidder will meet the requirements and carry out the required Work. Simply stating that the Bidder or its proposed solution or product complies is not sufficient.

#### **Bidders:**

- a Must designate the brand name, model and/or part number of the proposed product; and
- b Must provide complete specifications and descriptive literature to substantiate that the proposed product's meets the mandatory requirements that are specified in the bid solicitation (Form B)

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.

In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders to demonstrate, at the sole cost of bidders, that the proposed product meets all mandatory criteria that are specified in the bid solicitation.

### 3.1.1 Best Delivery Date - Bid

While the delivery is requested by January 31, 2017, the best delivery that could be offered is \_\_\_\_\_.

## Section II: Financial Bid

- i. 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.
- ii. **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.

### 3.1.2 Electronic Payment of Invoices – Bid

- a) If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "C" Electronic Payment Instruments, to identify which ones are accepted.
- b) If Annex "C" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.
- c) Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

### 3.1.3 Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

## 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**

- a. Each bid will be reviewed for compliance with the mandatory requirements of the bid solicitation. Any elements 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

#### **4.1.2 Financial Evaluation** **Evaluation of Price – Bid**

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

For evaluation purposes, the Total Bid Price (Table B.1) using the pricing tables completed by the bidders will be calculated as follows:

The unit price quoted for item 1.1 in Annex B times 1 unit;  
plus the unit price quoted for item 1.2 in Annex B times 1 unit;  
plus the unit price quoted for item 1.3 in Annex B times 1 lot;  
plus the unit price quoted for item 1.4 in Annex B times 1 lot;

equals the Total Bid Price.

### **4.2 Basis of Selection**

#### **4.2.1 Basis of Selection – Mandatory Technical Criteria**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

## **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. Unless specified otherwise, 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 Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid.

### **5.1.1 Integrity Provisions - Declaration of Convicted Offences**

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politiquepolicy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

## **5.2 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 specified will render the bid non-responsive.

### **5.2.1 Integrity Provisions – Required Documentation**

In accordance with the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

### **5.2.2 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" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed) website ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969#afed](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed)).

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**

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 the Contract.

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## 6.2 Requirement

The Contractor must provide the supply, delivery, installation and training of a refrigerated Ultracentrifuge in accordance with the Requirement at Annex "A" and the Contractor's technical bid entitled \_\_\_\_\_, dated \_\_\_\_\_.

## 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 \(2016-04-04\)](#), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

## 6.4 Term of Contract

### 6.4.1 Delivery Date

All the deliverables must be received on or before 31 March 2017.

### 6.4.2 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  
Summerland Research Development Centre  
4200 Highway 97 South  
PO Box 5000  
Summerland BC V0H 1Z0  
Attn: Jean Chisholm

including all delivery charges and customs duties and Applicable Taxes.

## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Al Takasaki  
Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Address: Room 219 - 800 Burrard Street,  
Vancouver, B.C. V6Z 0B9

Telephone: 604-775-7605  
E-mail address: [Al.Takasaki@pwgsc-tpsgc.gc.ca](mailto:Al.Takasaki@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 Technical Authority *(to be provided at contract award)*

The Technical Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_\_ Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Technical 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 Technical Authority; however, the Technical 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 address: \_\_\_\_\_

## 6.6 Payment

### 6.6.1 Basis of Payment

1. 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 at contract award*). Customs duties are included. and Applicable Taxes are extra.
2. 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.

### 6.6.2 Limitation of Price

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

### 6.6.3 Method of Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

#### **6.6.4 Electronic Payment of Invoices – Contract** *(To be amended at contract award)*

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

#### **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.

Each invoice must be supported by:

- a. A copy of the shipper`s shipping and unloading bill of lading;
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 Contracting Authority identified under the section entitled "Authorities" of the Contract.

#### **6.8 Certifications and Additional Information**

##### **6.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

##### **6.9 Applicable Laws**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_. *(Insert the name of the province or territory as specified by the Bidder in its bid, if applicable.)*

##### **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 (2016-04-04) - Medium Complexity - Goods;
- c) Annex A, Requirement;
- d) Annex B, Basis of Payment;

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- 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)*).

**6.11 Insurance**

SACC Manual clause G1005C (2016-01-28) Insurance – No Specific Reason

**6.12 Excess Goods**

SACC Manual Clause B7500C (2006-06-16) Excess Goods

## **Annex A – REQUIREMENT**

### **1.0 REQUIREMENT**

Summerland Research and Development Centre has a requirement for the supply, delivery, installation, and training of one (1) new Ultracentrifuge that must be compatible with existing Beckman rotors.

### **2.0 GENERAL SYSTEM SPECIFICATIONS**

1. Summerland Research and Development Centre require a preparative ultracentrifuge that is suitable for cell fractionation and the isolation of biomolecules from bacteria, plants and other biological sources. These functions are critical in order to carry out our experiments and meet our research objectives.
2. The system must include a perpetual license (for the life of the instrument) to use the instrument's software.
3. System must include a minimum one year on-site warranty.

### **3.0 TECHNICAL SPECIFICATIONS**

#### **A. SYSTEM CRITERIA**

1. Must be a refrigerated ultracentrifuge with a maximum of 90,000 rpm model and maximum dimensions of 95 cm width and 70 cm depth, operating at 200-240 V.
2. Refrigeration must not utilize ozone depleting chemicals such as Chlorofluorocarbons
3. Voltage power fluctuations must not interfere with regular runs; ability to track power interruption and indicate if run parameters have been altered.
4. Must have a touch screen display and user friendly advanced software not requiring additional laptop or PC for operation.
5. Must have a Dynamic Rotor Inertia Check system (DRIC) and a speed disk to ensure rotors are not run above their rated speed.
6. Must have speed control of +/- 2 rpm and a temperature control of +/- 0.5C after equilibrium to ensure reproducibility between runs.
7. Must have available OptiSeal tubes (for easy sealing without tools), Quick-Seal tubes (fast heat-sealing) and g-Max tubes (shortens separation times by 50 percent).
8. Must have a rotor that can spin 100 X 1 ml tubes.

#### **B. SYSYTEM SOFTWARE**

1. Must allow setting up different programs by users
2. Must manage rotor life and rotor safety function
3. Must provide access to authorized users only (password protection)

4. Must provide real-time run graphing on the touch-up screen allowing to track run parameters such as speed, temperature
5. Must provide remote monitoring and control where the operator and/or supervisor can start, stop, control and monitor the run by PC or a smart phone and receive e-mail messages for diagnostic alerts/malfunctions
6. Must have on-board simulation and calculation program allowing optimization of runs to ensure maximum efficiency
7. Noise level from one meter in front of centrifuge must be <53 dBA
8. The instrument must be capable of running all existing rotors the lab has, Beckman SW60, SW41, SW28, 70 Ti, 50.2 Ti, 80 Ti, 45 Ti
9. The instrument must have a HEPA filter
10. The instrument must have a USB port allowing data export.

#### 4. **SERVICING AND WARRANTY**

1. **Installation:** The Contractor must provide on-site installation, testing and commissioning, inclusive of all travel and living expenses.
2. **Training:** The Contractor must provide onsite familiarization training inclusive of all travel and living expenses.

Training must include a complete and in-depth, hands-on and on-site training of the operation of the instrument and all its components including system software, hardware, troubleshooting and maintenance procedures.

3. **Warranty:** System must include a minimum one year on-site warranty, inclusive of all parts, labor and travel and living expenses.

The Contractor must respond within 1 day and be onsite within 3 days, for any warranty repair requirements.

4. **Servicing:** The Contractor must provide access to a technician via telephone or internet, at no additional charge, to assist with instrument trouble shooting.

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## ANNEX B BASIS OF PAYMENT

**Table B.1**

Prices are FOB Destination inclusive of all customs duties and sales taxes are extra.

Item	Description	Qty	Firm Price
1.1	UltraCentrifuge Make and Model _____	1	\$
1.2	All shipping costs – Summerland, BC,	1	\$
1.3	Installation and commissioning costs inclusive of all travel and living expenses.	Lot	\$
1.4	On-site training inclusive of all travel and living expenses.	Lot	\$
	<b>Total B.1</b>		

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## **ANNEX “C” to PART 3 OF THE BID SOLICITATION - ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

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**FORM A: Bid Submission Form**

<b>BID SUBMISSION FORM</b>		
<b>Bidder's full legal name</b>		
<b>Authorized Representative of Bidder for evaluation purposes (e.g., clarifications)</b>	Name	
	Title	
	Address	
	Telephone #	
	Fax #	
	Email	
<b>Bidder's Procurement Business Number (PBN)</b> [see the Standard Instructions 2003]		
<b>Jurisdiction of Contract:</b> Province in Canada the bidder wishes to be the legal jurisdiction applicable to any resulting contract (if other than as specified in solicitation)		
Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently <b>directors of the Bidder</b> . 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.		
<p>On behalf of the Bidder, by signing below, I confirm that I have read the entire bid solicitation including the documents incorporated by reference into the bid solicitation and I certify that:</p> <ol style="list-style-type: none"> <li>1. The Bidder considers itself and its products able to meet all the mandatory requirements described in the bid solicitation;</li> <li>2. This bid is valid for the period requested in the bid solicitation;</li> <li>3. All the information provided in the bid is complete, true and accurate; and</li> <li>4. If the Bidder is awarded a contract, it will accept all the terms and conditions set out in the resulting contract clauses included in the bid solicitation.</li> </ol>		
<b>Signature of Authorized Representative of Bidder</b>		Date

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## **FORM B: Substantiation of Technical Compliance Form**

### **a. GENERAL INSTRUCTION**

- 1) Bidders are requested to:
  - a) indicate opposite each specification under **MANDATORY SPECIFICATIONS**, in the right hand margin under **Comply**, whether or not the Ultracentrifuge being offered meets / does not meet the requirements and
  - b) reference the page number(s) in the provided Technical literature and in the Technical literature, highlight the technical information that supports your compliance with the mandatory specifications below
- 2) It will be to your advantage to furnish as much detail as possible to support the specifications your comments / claims of compliance for each specification.
- 3) The Crown is under NO obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Bidders should note that failure to demonstrate any capability to which they claim compliance will result in their proposal being considered non-responsive. Any deviation is to be clearly identified and supported with full details.

**FORM B: Substantiation of Technical Compliance Form (CONT.)**

Article #	Mandatory Specification	Comply		Provide detailed requested and supporting documentation with the reference page #
		Yes	No	
	Proposed Make and Model: _____			
	Ultracentrifuge			
	The Ultracentrifuge System must meet the following mandatory specifications:			
<b>2.0</b>	<b>GENERAL SYSTEM SPECIFICATIONS</b>			
	1. Summerland Research and Development Centre require a preparative ultracentrifuge that is suitable for cell fractionation and the isolation of biomolecules from bacteria, plants and other biological sources. These functions are critical in order to carry out our experiments and meet our research objectives.	<input type="checkbox"/>	<input type="checkbox"/>	page # _____
	2. The system must include a perpetual license (for the life of the instrument) to use the instrument's software.	<input type="checkbox"/>	<input type="checkbox"/>	page # _____
	3. System must include a minimum one year on-site warranty.	<input type="checkbox"/>	<input type="checkbox"/>	page # _____
<b>3.0</b>	<b>1. TECHNICAL SPECIFICATIONS</b>			
<b>A</b>	<b>SYSTEM CRITERIA</b>			
	1. Must be a refrigerated ultracentrifuge with a maximum of 90,000 rpm model and maximum dimensions of 95 cm width and 70 cm depth, operating at 200-240 V.	<input type="checkbox"/>	<input type="checkbox"/>	page # _____
	2. Refrigeration must not utilize ozone depleting chemicals such as Chlorofluorocarbons	<input type="checkbox"/>	<input type="checkbox"/>	page # _____
	3. Voltage power fluctuations must not interfere with regular runs; ability to track power interruption and indicate if run parameters have been altered.	<input type="checkbox"/>	<input type="checkbox"/>	page # _____

Article #	Mandatory Specification	Comply		Provide detailed requested and supporting documentation with the reference page #
		Yes	No	
	4. Must have a touch screen display and user friendly advanced software not requiring additional laptop or PC for operation.			page # ____
	5. Must have a Dynamic Rotor Inertia Check system (DRIC) and a speed disk to ensure rotors are not run above their rated speed.			page # ____
	6. Must have speed control of +/- 2 rpm and a temperature control of +/- 0.5C after equilibrium to ensure reproducibility between runs.			page # ____
	7. Must have available OptiSeal tubes (for easy sealing without tools), Quick-Seal tubes (fast heat-sealing) and g-Max tubes (shortens separation times by 50 percent).			page # ____
	8. Must have a rotor that can spin 100 X 1 ml tubes.			page # ____
<b>B</b>	<b>SOFTWARE</b>			
	1. Must allow setting up different programs by users			page # ____
	2. Must manage rotor life and rotor safety function			page # ____
	3. Must provide access to authorized users only (password protection)			page # ____
	4. Must provide real-time run graphing on the touch-up screen allowing to track run parameters such as speed, temperature			
	5. Must provide remote monitoring and control where the operator and/or supervisor can start, stop, control and monitor the run by PC or a smart phone and receive e-mail messages for diagnostic alerts/malfuctions			page # ____
	6. Must have on-board simulation and calculation program allowing optimization of runs			page # ____
	7. Noise level from one meter in front if centrifuge must be <53 dBa			page # ____

Article #	Mandatory Specification	Comply		Provide detailed requested and supporting documentation with the reference page #
		Yes	No	
	8. The instrument must be capable of running all existing rotors the lab has, Beckman SW60, SW41, SW28, 70 Ti, 50.2 Ti, 80 Ti, 45 Ti	___	___	page # ___
	9. The instrument must have a HEPA filter	___	___	page # ___
	10. The instrument must have a USB port allowing data export	___	___	page # ___
<b>4.0 SERVICING AND WARRANTY</b>				
	<b>1. Installation:</b> The Contractor must provide on-site installation, testing and commissioning, inclusive of all travel and living expenses	___	___	page # ___
	<b>2. Training:</b> The Contractor must provide onsite familiarization training inclusive of all travel and living expenses.  Training must include a complete and in-depth, hands-on and on-site training of the operation of the instrument and all its components including system software, hardware, troubleshooting and maintenance procedures.	___	___	page # ___
	<b>3. Warranty:</b> System must include a minimum one year on-site warranty, inclusive of all parts, labor and travel and living expenses.  The Contractor must respond within 1 day and be onsite within 3 days, for any warranty repair requirements.	___	___	page # ___
	<b>4. Servicing:</b> The Contractor must provide access to a technician via telephone or internet, at no additional charge, to assist with instrument trouble shooting	___	___	page # ___

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**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. Always ensure your company name, return address, open bidding solicitation number and closing date appear legibly on the outside of your bid submission.

**AVIS AUX FOURNISSEURS:** Pour le retour par la poste ou par messenger, veuillez utiliser UNE des étiquettes d'envoi ci-dessous et apposez-la à l'extérieur de votre enveloppe ou du colis contenant votre offre. Assurez-vous que le nom de votre compagnie, l'adresse de retour, le numéro de l'invitation ouverte à soumissionner et la date de clôture soient lisibles à l'extérieur de votre offre.

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**Bid Receiving**  
**Public Works & Government Services Canada**  
**219 - 800 BARRARD STREET**  
**VANCOUVER BC V6Z 0B9**

**Solicitation No. : 01550-170510/A**

**Solicitation Closes at: 2:00 PM PT**  
**On October 24, 2016**

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**Réception des soumissions**  
**Travaux publics et services gouvernementaux Canada**  
**800 rue Burrard, 219**  
**Vancouver (C.-B) V6Z 0B9**

**N° de l'invitation : 01550-170510/A**

**La réception des soumissions prend fin le: 24 octobre 2016**  
**à: 14:00 PT**

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