



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
Pacific Region
401 - 1230 Government Street
Victoria, B.C.
V8W 3X4
Bid Fax: (250) 363-3344

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 Vertical CNC Machining Centre	
Solicitation No. - N° de l'invitation 31034-209916/A	Date 2019-08-02
Client Reference No. - N° de référence du client 31034-209916	
GETS Reference No. - N° de référence de SEAG PW-\$VIC-223-7781	
File No. - N° de dossier VIC-9-42079 (223)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-09-16	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
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: Locke, Kelsey	Buyer Id - Id de l'acheteur vic223
Telephone No. - N° de téléphone (250) 507-2482 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: NATIONAL RESEARCH COUNCIL CANADA See herein	

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
401 - 1230 Government Street
Victoria, B. C.
V8W 3X4

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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	2
1.1 SECURITY REQUIREMENTS	2
1.2 STATEMENT OF REQUIREMENT	2
1.3 DEBRIEFINGS	2
1.4 TRADE AGREEMENTS	2
1.5 EPOST CONNECT SERVICE	2
PART 2 - BIDDER INSTRUCTIONS	2
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	2
2.2 SUBMISSION OF BIDS	2
2.3 ENQUIRIES - BID SOLICITATION	3
2.4 APPLICABLE LAWS	3
PART 3 - BID PREPARATION INSTRUCTIONS	3
3.1 BID PREPARATION INSTRUCTIONS	3
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	5
4.1 EVALUATION PROCEDURES	5
4.2 BASIS OF SELECTION	5
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	5
5.1 CERTIFICATIONS REQUIRED WITH THE BID	5
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	6
PART 6 - RESULTING CONTRACT CLAUSES	6
6.1 SECURITY REQUIREMENTS	6
6.2 STATEMENT OF REQUIREMENT	6
6.3 STANDARD CLAUSES AND CONDITIONS	6
6.4 TERM OF CONTRACT	7
6.4.1 PERIOD OF THE CONTRACT	7
6.5 AUTHORITIES	7
6.6 PAYMENT	8
6.7 INVOICING INSTRUCTIONS	9
6.8 CERTIFICATIONS AND ADDITIONAL INFORMATION	9
6.9 APPLICABLE LAWS	9
6.10 PRIORITY OF DOCUMENTS	9
6.11 SACC MANUAL CLAUSES	10
6.12 INSURANCE – NO SPECIFIC REQUIREMENT	10
6.13 INSPECTION AND ACCEPTANCE	10
ANNEX "A"	11
STATEMENT OF REQUIREMENT	11
ANNEX "B"	14
BASIS OF PAYMENT	14
ANNEX "C" TO PART 3 OF THE BID SOLICITATION	15
ELECTRONIC PAYMENT INSTRUMENTS	15

PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with this solicitation.

1.2 Statement of Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

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.

1.4 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), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

1.5 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

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 \(2019-03-04\)](#) 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 the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation:

*Address:
Bid Receiving Public Works and Government Services Canada
Pacific Region
401-1230 Government Street*

Solicitation No. - N° de l'invitation
31034-209916/A
Client Ref. No. - N° de réf. du client
31034-209916

Amd. No. - N° de la modif.
File No. - N° du dossier
VIC-9-42079

Buyer ID - Id de l'acheteur
vic223
CCC No./N° CCC - FMS No./N° VME

Victoria, BC
V8W 3X4

epost Connect email:

TPSGC.RPReceptiondessoumissions-PRBidReceiving.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Bid Facsimile number: (250) 363-3344

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) 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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (___1___ hard copies)

Section II: Financial Bid (___1___ hard copies)

Section III: Certifications (___1___ hard copies)

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

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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 hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). 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.

3.1.1 Electronic Payment of Invoices – Bid

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.

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.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications and additional information 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 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.

4.1.2 Financial Evaluation

SACC Manual Clause [A0220T](#) (2014-06-26), Evaluation of Price-Bid

4.2 Basis of Selection

[A0031T](#) (2010-08-16), Basis of Selection – Mandatory Technical Criteria

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 Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), 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 provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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

6.1.1 There is no security requirement applicable to the Contract.

6.2 Statement of Requirement

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

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.

Solicitation No. - N° de l'invitation
31034-209916/A
Client Ref. No. - N° de réf. du client
31034-209916

Amd. No. - N° de la modif.
File No. - N° du dossier
VIC-9-42079

Buyer ID - Id de l'acheteur
vic223
CCC No./N° CCC - FMS No./N° VME

6.3.1 General Conditions

2010A (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to March 30, 2021

6.4.2 Mandatory Delivery Date

Mandatory: All the deliverables including delivery, installation and training must be received on or before **March 31, 2020.**

Bidders best delivery date is _____ weeks upon receipt of order.

Installation, delivery and training must be coordinated with the Technical Authority designated under Authorities.

6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "B" of the Contract. The Contractor must contact the Technical Authority at least three (3) calendar days prior to the delivery date to coordinate delivery.

6.4.4 Shipping Instructions – Delivery at Destination

Delivered Duty Paid (DDP) National Research Council Canada, 5071 West Saanich Road, Victoria BC, V9E 2E7, Incoterms 2000 for shipments from a commercial contractor.

6.4.5 Optional Goods

The Contractor grants to Canada the irrevocable option to acquire the goods described at Annex "A" 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 at any time before March 31, 2020 by sending a written notice to the Contractor.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Kelsey Locke
Title: Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
Address: 1230 Government St.
Victoria BC, V8W 3X4

Solicitation No. - N° de l'invitation
31034-209916/A
Client Ref. No. - N° de réf. du client
31034-209916

Amd. No. - N° de la modif.
File No. - N° du dossier
VIC-9-42079

Buyer ID - Id de l'acheteur
vic223
CCC No./N° CCC - FMS No./N° VME

Telephone: 250-507-2482
E-mail address: Kelsey.locke@pwgsc-tpsgc.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.

In the event that you are unable to contact the above noted Authority, please contact:
PAC.VICCA@tpsgc-pwgsc.gc.ca

6.5.2 Technical Authority

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

The Contractor's Representative for the Contract is:

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

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

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price(s), as specified "in Annex B" for a cost of \$ _____. Customs duties are excluded 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.

6.6.2 Limitation of Price

SACC Manual clause [C6000C](#) (2017-08-17) Limitation of Price

6.6.3 SACC Manual Clauses

SACC Manual clause [H1001C](#) (2008-05-12), Multiple Payments

6.6.4 Electronic Payment of Invoices – Contract

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

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. 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 (2018-06-21), General Conditions: Goods (Medium Complexity)

Solicitation No. - N° de l'invitation
31034-209916/A
Client Ref. No. - N° de réf. du client
31034-209916

Amd. No. - N° de la modif.
File No. - N° du dossier
VIC-9-42079

Buyer ID - Id de l'acheteur
vic223
CCC No./N° CCC - FMS No./N° VME

- (c) Annex A, Statement of Requirement;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Electronic Payment Instrument
- (f) the Contractor's bid dated _____ (*insert date of bid*)

6.11 SACC Manual Clauses

B1501C (2018-06-21), Electrical Equipment
B7500C (2006-06-16), Excess Goods
C2000C (2007-11-30), Taxes – Foreign Based Contractor
A2000C (2006-06-16), Foreign Nationals (Canadian Contractor)
A2001C (2006-06-16), Foreign Nationals (Foreign Contractor)

6.12 Insurance – No Specific Requirement

SACC Manual clause **G1005C** (2016-01-28), Insurance – No Specific Requirement

6.13 Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

ANNEX "A"

STATEMENT OF REQUIREMENT

The National Research Council's (NRC) Design and Fabrication Service (DFS) has a requirement for one (1) Vertical Computerized Numerical Controlled (CNC) Machining Centre.

NRC/DFS provides manufacturing service capabilities in support of the Herzberg Astronomy and Astrophysics Research Centre. In collaboration with HAA, DFS fabricates high precision prototype and production assemblies to meet high tolerance requirements found in Radio Wave and Optical instrumentation bought by international groups for use in large telescope found around the world. In the case of Radio Astronomy, arrays of telescopes are used to gather radio waves for processing. These arrays require matching instruments and machined parts that must be extremely precise and repeatable in their tolerance. For Optical astronomy precision alignment of optical components is vital to the success of the instrument thus requiring high accuracy in achieving tight tolerance and high positional accuracy.

This unit will add to or replace NRC's aging machinery, capacity and new technologies that will allow DFS to meet the growing needs of HAA as it looks forward to future astronomical instruments. The newer Vertical CNC Machining Centre will contribute, for many years, to the production of high accuracy components and assemblies for NRC Herzberg Astronomy and Astrophysics Research Centre.

For each mandatory technical criterion, the Bidder must indicate whether the products proposed are compliant or not compliant by checking the appropriate box. Bidders MUST PROVIDE documentation to demonstrate compliance with the specifications and cross-reference with the page number of their supplied documentation. Simply stating that they meet the criterion is not sufficient. When referencing other documents submitted with the bid, the bidder should indicate the exact location of the referenced documents, including the document title, page number and paragraph/subparagraph number.

The Bidder must provide a response for each criterion. The Bidder must provide sufficient detail to permit a complete evaluation.

Table 1 – Mandatory Criteria – Firm Requirement

Item No.	Description	Comments	Bid Page Ref #
General Requirements			
1.0	Bidders are responsible for all packaging, crating and transportation; All deliverables must be properly packaged, crated, and/or boxed to ensure no damage is sustained to the equipment during the transport, loading, unloading, or general handling of equipment prior to the final installation;		
1.1	Bidders are responsible for installation and commissioning of the equipment, this includes initial start-up, on-site calibration and acceptance tests;		
1.2	NRC will be responsible for electrical connections from the control box to the electrical sockets;		
1.3	NRC will be responsible for unloading the equipment; All items must be able to be offloaded		

	with a forklift;		
1.4	On-site training for four (4) operators. Bidders will be expected to review the key functionalities of the equipment and safety procedures with NRC technical staff; Training must be scheduled during normal working hours (approximately 7:30 to 16:30 PST), Monday – Friday.		
1.5	Response times for equipment failures must be addressed within 24 to 48 hours. Bidders are to supply the contact information for their service centre and key contact personnel, including the names and phone numbers of supervisors and managers; <u>to be provided at time of contract award;</u>		
1.6	Hardcopy and Electronic manuals in English; <u>to be provided at time of contract award.</u>		
1.7	Bidders are to provide drawings and electrical schematics for NRC to prepare the site for installation; <u>to be provided at time of contract award;</u>		
1.8	Bidder <u>must</u> provide list of electrical requirements for NRC to prepare the site for installation; <u>to be provided with bid submission;</u>		
1.9	Bidders will have access to the NRC facility during normal working hours (7:30 to 16:30 PST)		
1.10	All deliverables including delivery, installation and training must be completed on or before March 31, 2020.		
Machine Requirements			
2.0	Axis travels must be minimum of X30" (762mm), Y20" (508mm), Z18" (457mm);		
2.1	Must have a minimum of 20,000 RPM spindle;		
2.2	Spindle motor must have minimum 20hp;		
2.3	Must have Dual Contact Spindle Interface;		
2.4	Must have minimum of 30 tool Automatic Tool Changer;		
2.5	Must have Oil cooling system for spindle and spindle motor;		
2.6	Must have coolant supply system;		
2.7	Must have coolant tank;		
2.8	Must have through spindle coolant, minimum 200 PSI;		
2.9	Must have chip conveyor removal system;		
2.10	Must have networking capabilities;		
2.11	Must have USB port or RS232 interface for file transfer;		
2.12	Must have non-contact tool setting probe;		
2.13	Must have touch probe system to determine part zeros;		
2.14	Must have measurement system via touch		

Solicitation No. - N° de l'invitation
 31034-209916/A
 Client Ref. No. - N° de réf. du client
 31034-209916

Amd. No. - N° de la modif.
 File No. - N° du dossier
 VIC-9-42079

Buyer ID - Id de l'acheteur
 vic223
 CCC No./N° CCC - FMS No./N° VME

	probing system;		
2.15	Machine must be capable of running on 220V 3 phase power 60Hz;		
2.16	Must achieve positional accuracy of 0.005mm in all three (3) axis of movement;		
2.17	Must have a Mist Collection Unit;		
2.18	Must have 4 th axis compatibility at time of installation;		
2.19	Machine foot print, including maintenance area and chip conveyor must not exceed 200" x 160";		
2.20	All electrical equipment supplied under the Contract must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada;		

Table 2 – Optional Requirements

Item No.	Description	Comments	Bid Page Ref #
1.0	200mm fourth axis rotary table;		
1.1	4 th axis interface, motor, chuck, tailstock, cable and freight;		

Bidder's best delivery date is _____ weeks ARO

ANNEX "B"

BASIS OF PAYMENT

Bidders must submit their financial bid using the financial evaluation table provided in this Annex.

Pricing offered must be in **Canadian dollars**, Applicable Taxes excluded, Delivered Duty Paid (DDP) to 5071 West Saanich Road, Victoria BC, V9E 2E7. Canadian customs duties and excise taxes included.

Firm unit price shall be inclusive of all direct and indirect expenses incurred in performing the requirement including but not limited to all labour, fringe benefits, overhead, supervision, tools, equipment, materials, parts, manuals, travel time, travel and living expenses, transportation costs, reports, general and administrative costs, profit required to do the work, all related duties and other costs paid by the Supplier such as additional surcharges, and transportation fees. No other charges will be accepted.

Failure to comply with any of the instructions provided in this Annex will render the bid non-responsive.

Financial Evaluation Table (Bidders must complete and submit this table with their bid)

Mandatory: All the deliverables including delivery, installation and training must be received on or before March 31, 2020.

Firm Requirement				
Item	Description	Unit	Quantity	Unit Price
1.	For the supply and delivery of: One (1) Vertical CNC Machining Centre in accordance with the requirement at Annex "A" Model / Part # _____	EACH	1	\$
2.	Installation in accordance with the requirement at Annex "A"	LOT	1	\$
3.	On-site training for four (4) operators in accordance with the requirement at Annex "A"	LOT	1	\$
TOTAL PRICE FIRM REQUIREMENT				\$
Optional Requirement				
1.	200mm fourth axis rotary table	EACH	1	\$
2.	4 th axis interface, motor, chuck, tailstock, cable and freight;	EACH	1	\$
TOTAL PRICE OPTIONAL REQUIREMENT				\$
TOTAL EVALUATED PRICE = TOTAL PRICE FIRM REQUIREMENT + TOTAL PRICE OPTIONAL REQUIREMENT				
Delivery Address:				
National Research Council Canada 5071 West Saanich Road Victoria, B.C V9E 2E7 Canada				

Solicitation No. - N° de l'invitation
31034-209916/A
Client Ref. No. - N° de réf. du client
31034-209916

Amd. No. - N° de la modif.
File No. - N° du dossier
VIC-9-42079

Buyer ID - Id de l'acheteur
vic223
CCC No./N° CCC - FMS No./N° VME

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)