



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Réception des soumissions - TPSGC / Bid Receiving  
- PWGSC

Voir dans le document/  
See herein

NA

Québec

NA

**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><br>Precision cut-off machine - NRC   |  |
| <b>Solicitation No. - N° de l'invitation</b><br>31206-203304/A  | <b>Date</b><br>2020-07-28  |
| <b>Client Reference No. - N° de référence du client</b><br>31206-203304   |  |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-\$QCN-035-17956   |  |
| <b>File No. - N° de dossier</b><br>QCN-0-43016 (035)  | <b>CCC No./N° CCC - FMS No./N° VME</b>                                     |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b><br><b>on - le 2020-09-02</b>  | <b>Time Zone</b><br><b>Fuseau horaire</b><br>Heure Avancée de l'Est<br>HAE |
| <b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes<br><b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>   |  |
| <b>Address Enquiries to: - Adresser toutes questions à:</b><br>Deslauriers, Annie   | <b>Buyer Id - Id de l'acheteur</b><br>qcn035                               |
| <b>Telephone No. - N° de téléphone</b><br>(418) 571-5295 ( )  | <b>FAX No. - N° de FAX</b><br>(418) 648-2209                               |
| <b>Destination - of Goods, Services, and Construction:</b><br><b>Destination - des biens, services et construction:</b><br>CONSEIL NATIONAL DE RECHERCHES DU CANADA<br>Site Saguenay via Newton porte 6<br>501 BOUL.DE L UNIVERSITE EST<br>CHICOUTIMI<br>Québec<br>G7H8C3<br>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**

TPSGC/PWGSC  
601-1550, Avenue d'Estimauville  
Québec  
Québec  
G1J 0C7

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

## Automatic and Programmable precision cut-off machine

### National Research Council of Canada (NRC) Saguenay Site

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Requirement**

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

### **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 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](#) (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

#### **2.1.1 SACC Manual Clauses**

[B1000T](#) (2014-06-26), Condition of material - Bid

### **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:

#### **PWGSC Québec Region Bid Receiving Unit**

Only bids submitted using epost Connect service will be accepted. The Bidder must send an email requesting to open an epost Connect conversation to the following address:

[TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.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.

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six days before the solicitation closing date.

Bids transmitted by facsimile or hardcopy 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 five (5) 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 Quebec.

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 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
  - Office of the Procurement Ombudsman (OPO)
  - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

The Bidder must submit its bid electronically 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

Bids transmitted by facsimile or hardcopy will not be accepted.

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

#### **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.

#### **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**

The technical evaluation will be based on the mandatory technical criteria detailed below.

Bidders must demonstrate each of these mandatory technical criteria with documents and/or brochures and/or technical drawings, which must be submitted with their proposal.

Bidders should complete the grid below and include it with their proposal.

- Please refer to the table on the next page:

| <b>TABLE OF MANDATORY TECHNICAL EVALUATION CRITERIA</b>     |   |   |
|---|---|---|
| <b>Mandatory Technical evaluation criteria</b>              |   | <b>Bidder's Specifications</b>  |
| <b>AUTOMATIC AND PROGRAMMABLE PRECISION CUT-OFF MACHINE</b> |   | (should indicate the reference to the technical documentation included in Bid or indicate the exact information)<br><br>Title of documents, as well as page and paragraph numbers |
| <b>S2.1</b>   | A minimum abrasive wheel capacity of 200 mm diameter.                               | _____<br>_____  |
| <b>S2.2</b>   | A capacity for adjusting the wheel height (Z-axis movement) by a minimum of 40 mm.  | _____<br>_____  |
| <b>S2.3</b>   | A cutting capacity of a minimum of 70 mm in diameter.                               | _____<br>_____  |
| <b>S2.8</b>   | A programmable stop function at a specific position.                                | _____<br>_____  |
| <b>S2.9</b>   | An automatic feed reduction function.   | _____<br>_____  |
| <b>S3</b>   | A system for programming a multi-cutting sequence without repositioning the sample. | _____<br>_____  |
| <b>S6</b>   | A minimum motor power of 1100W.   | _____<br>_____  |
| <b>S13</b>  | A positioning laser system.   | _____<br>_____  |

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#### **4.1.1 Financial Evaluation**

1. Bidders must submit firm prices, customs duties and excise taxes included, and Applicable Taxes excluded.
2. Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
3. Bidders must provide prices Delivered Duty Paid (DDP), the National Research Council of Canada Saguenay site, Incoterms 2010 for shipments from a commercial contractor. Bids will be assessed on a DDP basis.

#### **4.2 Basis of Selection**

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 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.

### 5.2.3 OEM Certification (Annex D)

- (a) Any Bidder that is not the Original Equipment Manufacturer (OEM) for every item of hardware proposed as part of its bid is required to submit the OEM's Certification regarding the Bidder's authority to provide and maintain the OEM's hardware, which must be signed by the OEM (not the Bidder). **(Annex D)**

No Contract will be awarded to a Bidder who is not the OEM of the hardware it proposes to supply to Canada, unless the OEM Certification has been provided to Canada. Bidders are requested to use the OEM Certification Form included with the bid solicitation. Although all the contents of the OEM Certification Form are required, using the form itself to provide this information is not mandatory. For Bidders/OEMs who use an alternate form, it is in Canada's sole discretion to determine whether all the required information has been provided. Alterations to the statements in the form may result in the bid being declared non-responsive.

- (b) If the hardware proposed by the Bidder originates with multiple OEMs, a separate OEM certification is required from each OEM.
- (c) For the purposes of this bid solicitation, EOM means the manufacturer of the hardware, as evidenced by the name appearing on the hardware and on all accompanying documentation.

## **PART 6 - RESULTING CONTRACT CLAUSES**

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

[Notice: Numbering will be revised at contract award.](#)

### **6.1 Security Requirements**

There is no security requirement applicable to the Contract.

### **6.2 Requirement**

The contractor must provide and deliver an automatic and programmable precision cut-off machine in accordance with the requirement described in Annex A.

#### **6.2.1 Optional requirements**

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 over a period of twenty-four (24) months following the contract award by sending a written notice to the Contractor.

### **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](#) (2020-05-28), 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 the date of Contract to February 28, 2022 inclusive.

#### **6.4.2 Delivery Date**

All the deliverables at Annex A must be received within nine (9) weeks following Contract Award.

##### **6.4.2.1 Optional Deliverables**

All the optional deliverables at Annex A must be received within nine (9) weeks after receipt of an amendment to the contract to exercise the option.

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## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Nom : Annie Deslauriers  
Titre : Procurement Officer  
Public Works and Government Services Canada  
Acquisitions Branch  
Adresse : 1550 D'Estimauville Avenue, Quebec City, Quebec G1J0C7  
Téléphone : 418-571-5295  
Télécopieur : 418-648-2209  
Courriel : [annie.deslauriers@tpsgc-pwgsc.gc.ca](mailto:annie.deslauriers@tpsgc-pwgsc.gc.ca)

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

### 6.5.2 Technical Authority

The Technical Authority for the Contract is: [\(will be added to the contract\)](#)

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 Client Administrative Authority

The Client Administrative Authority for the Contract is: [\(will be added to the contract\)](#)

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

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

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#### 6.5.4 Contractor's Representative

Name and telephone number of the person responsible for:

Contract Manager:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Facsimile No.: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

#### 6.6 Payment

##### 6.6.1 Basis of Payment – Firm Lot 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 \_\_\_\_\_ \$ (*will be completed at contract award*). Customs duties are included, and Applicable Taxes are extra.

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

##### 6.6.2 Limitation of price

*SACC Manual* Clause C6000C (2017-08-17), Limitation of Price.

##### 6.6.3 Terms of payment

*SACC Manual* Clause H1001C, (2008-05-12), Multiple Payments.

##### 6.6.4 Electronic Payment of Invoices – Contract (*will be completed 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).

## 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 : (to be completed at contract award)
  - 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 \_\_\_\_\_ (will be completed at contract award)

## 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)
- (c) Annex A, Statement of Requirement;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Electronic Payment Instruments;
- (f) Annex D, Original Equipment Manufacturer Certification; and
- (g) the Contractor's bid dated \_\_\_\_\_ (will be completed at contract award)

## 6.11 SACC Manual Clauses

|        |            |                                     |
|--------|------------|-------------------------------------|
| A9068C | 2010-01-11 | Government Site Regulations         |
| B1501C | 2018-06-21 | Electrical equipment                |
| B7500C | 2006-06-16 | Excess Goods                        |
| D9002C | 2007-11-30 | Incomplete Assemblies               |
| G1005C | 2016-01-28 | Insurance – No specific requirement |

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## **6.12 Delivery**

### **6.12.1 Shipping Instructions - Delivery at Destination**

Goods must be consigned to the destination specified in the Contract and delivered Delivered Duty Paid (DDP):

CNRC – Saguenay Site  
501, boul. de l'Université Est (Door 6, via Newton St)  
Chicoutimi, Quebec G7H 8C3 Canada

Incoterms 2010 for shipments from a commercial contractor.

### **6.13 Dispute Resolution**

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

## ANNEX A – STATEMENT OF REQUIREMENT

### 1. Purpose

The National Research Council of Canada (NRC), Saguenay site, is looking to acquire an automatic and programmable precision cut-off machine.

NRC's advanced manufacturing positioning in the automotive and aerospace sectors requires accurate and reproducible metallographic preparation of various multi-layer materials and high-value-added parts.

The scope of work here includes supply, transport, installation, documentation and training.

### 2. Requirement

- The supplier must deliver an (1) automatic and programmable precision cut-off machine including all characteristics of section 4. Technical specifications of the cut-off machine.
- Option of forty-two (42) abrasive wheels meeting the characteristics demonstrated in section 9. Technical specifications of optional deliverables.

Note: A maximum of two (2) amendments to the contract may be made to acquire the optional goods. Items may be acquired in whole or in part only.

Delivery charges will be applied to each delivery, if applicable.

### 3. Basic deliverables

| Delievrables    | Qty | Specifications   | Delivery time  |
|-----------------|-----|--|--|
| Cut-off machine | 1   | One (1) automatic and programmable precision cut-off machine meeting the technical specifications referred to in section four (4) of this annex. | Must be delivered no later than nine (9) weeks after contract award.   |
| Installation    | 1   | The installation for commissioning, see sections five (5) and seven (7) of this annex.   | The installation must take place in a maximum of thirty (30) working days after the delivery on the Saguenay site. |
| Training        | 1   | The training of seven (7) hours duration for the use of the equipment, see section six (6) of this annex.  | The training must take place when installing the saw.  |
| Documentation   | 1   | The documentation for the operation, see section ten (10) of this annex.   | The documentation must be included at the equipment delivered  |

#### 4. Technical specifications of the automatic and programmable precision cut-off machine

The precision saw delivered must meet the following specifications:

| <b>TABLE OF TECHNICAL COMPLIANCE</b> |   |
|--------------------------------------|---|
| <b>S1</b>                            | <b>A CUTTING TABLE</b>  |
|                                      | <b>S1.1</b> In stainless steel or cast aluminum.  |
|                                      | <b>S1.2</b> Corrosion resistant.  |
|                                      | <b>S1.3</b> With a minimum of four (4) T- slot.   |
|                                      | <b>S1.4</b> Dimension of a minimum of 250 mm x 180 mm.  |
| <b>S2</b>                            | <b>PROGRAMMING OF THE FOLLOWING SETTINGS</b>  |
|                                      | <b>S2.1</b> A minimum abrasive wheel capacity of 200 mm diameter.                               |
|                                      | <b>S2.2</b> A capacity for adjusting the wheel height (Z-axis movement) by a minimum of 40 mm.  |
|                                      | <b>S2.3</b> A cutting capacity of a minimum of 70 mm in diameter.                               |
|                                      | <b>S2.4</b> A cutting capacity of a sample of a minimum of 40 mm x 150 mm.                      |
|                                      | <b>S2.5</b> A depth cutting capacity of a minimum of 180 mm.                                    |
|                                      | <b>S2.6</b> A depth increment range of 0.10 mm.   |
|                                      | <b>S2.7</b> An abrasive wheel speed of rotation between 300-5000 rpm.                           |
|                                      | <b>S2.8</b> A programmable stop function at a specific position.                                |
|                                      | <b>S2.9</b> An automatic feed reduction function.   |
|                                      | <b>S2.10</b> A visual display of the motor load during cutting.                                 |
| <b>S3</b>                            | <b>A SYSTEM FOR PROGRAMMING A MULTI-CUTTING SEQUENCE WITHOUT REPOSITIONING THE SAMPLE WITH:</b> |
|                                      | <b>S3.1</b> A minimum length of 40mm.   |
|                                      | <b>S3.2</b> A multi displacement programming with identical steps on a sample.                  |
|                                      | <b>S3.3</b> A programming of a minimum of three displacements with different steps on a sample. |
|                                      | <b>S3.4</b> A displacement precision of a minimum of 50 microns.                                |
| <b>S4</b>                            | A mode allowing a Z axis movement of the abrasive wheel during the cut.                         |
| <b>S5</b>                            | An integrated cleaning gun or nozzle.   |
| <b>S6</b>                            | A minimum motor power of 1100W.   |
| <b>S7</b>                            | A front panel safety lock when cut-off machine is running.                                      |
| <b>S8</b>                            | A two-hand safety function.   |
| <b>S9</b>                            | A lighting of the cutting chamber.  |
| <b>S10</b>                           | A built-in lubricant recirculation tank unit of a minimum of 3.5 liters.                        |
| <b>S11</b>                           | A lubricant flow at the abrasive wheel of a minimum of 1.5 liter / min.                         |
| <b>S12</b>                           | An emergency stop button located on the front of the device.                                    |
| <b>S13</b>                           | A positioning laser system.   |
| <b>S14</b>                           | The device must have an LCD screen with backlight.  |
| <b>S15</b>                           | The device must allow the programming, the identification and the saving of methods.            |
| <b>S16</b>                           | The device must allow XY axes movement using a joystick button.                                 |

## 5. Installation and commissioning

- Supplier must perform installation and commissioning on NRC-Saguenay site.
- Installation must be held within a maximum of thirty (30) working days after the delivery on the Saguenay site.
- The NRC Saguenay site will be responsible for unloading.

## 6. Training

A complete training, in French, of about seven (7) hours must be dispensed during day time to a maximum of four (4) users at commissioning. The training must cover the following elements:

- Operation;
- Programming and other functions;
- Maintenance.
- Labor, tools, travel, travel time and living expenses must be included.

## 7. Client Responsibility

### a. At delivery :

- Unloading and setting up:
  1. The client, NRC-Saguenay site, will be responsible for unloading and disposal of the shipping material.

### b. At commissioning :

- Services: Water, air, electricity and building modifications
  1. The supplier should specify and indicate in his proposal all required services (water-air-electricity) as well as any special requirements and provide, if needed, the specific connections.
  2. The NRC-Saguenay site is responsible for providing water, air, electricity and any necessary modifications to the building.

## 8. Documentation

The supplier must provide the following documentation:

- User manual including the operational risks and Health and Safety instructions.
- Maintenance manuals including:
- Component list for trouble shooting;
- Electrical diagrams.

Documentation must be provided in English in both paper and electronic format. If a French version is available, submit it in both formats.

## 9. Technical specifications of optional deliverables

| Deliverables                                     | Qty | Specifications  | Delivery time   |
|--|-----|---|---|
| Diamond abrasive wheel                           | 2   | Two (2) diamond wheels for hard to very hard materials of a minimum diameter of 200 mm.     | Must be delivered no later than nine (9) weeks after receiving a contract amendment to exercise the option.<br><br>Note: A maximum of two (2) amendments to the contract may be made to acquire the optional goods. Items may be acquired in whole or in part only. |
| Abrasive wheel for ferrous materials             | 10  | Ten (10) abrasive wheels for ferrous materials of a minimum diameter of 200 mm.             |   |
| Abrasive wheel for nonferrous materials          | 10  | Ten (10) abrasive wheels for nonferrous materials of a minimum diameter of 200 mm.          |   |
| Abrasive wheel for mineral and ceramic materials | 10  | Ten (10) abrasive wheels for mineral and ceramic materials of a minimum diameter of 200 mm. |   |
| Abrasive wheel for adhesive and epoxy materials  | 10  | Ten (10) abrasive wheels for adhesive and epoxy materials of a minimum diameter of 200 mm.  |   |

**ANNEX B – BASIS OF PAYMENT**

**B1. Firm Part**

| Item  | Description  | Qty | Unit | Unit Firm Price | Total Firm Price |
|---|--|-----|------|-----------------|------------------|
| 1)  | <b>Automatic and Programmable Precision Saw</b><br>(In accordance with point 4 of Annex A)               | 1   | ea   | _____ \$        | _____ \$         |
| 2)  | <b>User Manual and Service and Maintenance Manuals</b> (In accordance with point 8 of Annex A)           | 1   | lot  | _____ \$        | _____ \$         |
| 3)  | <b>Delivery and unloading DDP</b><br>DDP (Québec, Canada), including customs duties, handling, delivery. | 1   | lot  | _____ \$        | _____ \$         |
| 4)  | <b>Installation</b><br>(In accordance with point 5 of Annex A)   | 1   | lot  | _____ \$        | _____ \$         |
| 5)  | <b>Training</b><br>(In accordance with point 6 of Annex A)   | 1   | lot  | _____ \$        | _____ \$         |
| <b>TOTAL (B1) =</b><br>(Applicable taxes not included)) |  |     |      |                 | _____ \$         |

**B2. Optional Part**

| Item   | Description   | Qty | Unit | Unit Firm Price | Total Firm Price |
|--|---|-----|------|-----------------|------------------|
| 1)   | <b>Diamond abrasive wheel</b><br>(In accordance with point 9 of Annex A)  | 2   | ea   | _____ \$        | _____ \$         |
| 2)   | <b>Abrasive wheel for ferrous materials</b><br>(In accordance with point 9 of Annex A)                          | 10  | ea   | _____ \$        | _____ \$         |
| 3)   | <b>Abrasive wheel for nonferrous materials</b><br>(In accordance with point 9 of Annex A)                       | 10  | ea   | _____ \$        | _____ \$         |
| 4)   | <b>Abrasive wheel for mineral and ceramic materials</b> (In accordance with point 9 of Annex A)                 | 10  | ea   | _____ \$        | _____ \$         |
| 5)   | <b>Abrasive wheel for adhesive and epoxy materials</b><br>(In accordance with point 9 of Annex A)               | 10  | ea   | _____ \$        | _____ \$         |
| 6)   | <b>Delivery of Optional Deliverables</b><br>DDP (Quebec, Canada), including customs duties, handling, delivery. | 1   | ea   | _____ \$        | _____ \$         |
| <b>TOTAL (B2) =</b><br>(Applicable taxes not included) |   |     |      |                 | _____ \$         |
| <b>PROPOSAL EVALUATION COST (B1 + B2) =</b>            |   |     |      |                 | _____ \$         |

**Note: A maximum of two (2) amendments to the contract may be made to acquire the optional goods. Items may be acquired in whole or in part only. Delivery charges will be applied to each delivery, if applicable.**

Example 1: Amendment to the contract for Item 1 quantity 1, Item 3 quantity 4 and delivery charges;  
or

Example 2: Amendment to the contract for Item 1 quantity 2, Item 3 quantity 5, Item 5 quantity 10 and delivery charges.

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### **ANNEX C - 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).

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**ANNEX D – ORIGINAL EQUIPMENT MANUFACTURER CERTIFICATION FORM (OEM)**

**Form – To be submitted with bid**

**Ref. 5.2.3 OEM Certification**

OEM Certification Form

This confirms that the original equipment manufacturer (OEM) identified below has authorized the Bidder named below to provide and maintain its products under any contract resulting from the bid solicitation identified below.

Name of OEM \_\_\_\_\_

Signature of authorized signatory of OEM \_\_\_\_\_

Print Name of authorized signatory of OEM \_\_\_\_\_

Print Title of authorized signatory of OEM \_\_\_\_\_

Address for authorized signatory of OEM \_\_\_\_\_

Telephone no. for authorized signatory of OEM \_\_\_\_\_

Fax no. for authorized signatory of OEM \_\_\_\_\_

Date signed \_\_\_\_\_

Solicitation Number \_\_\_\_\_

Bidder's name \_\_\_\_\_