



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

Public Works and Government Services / Travaux
publics et services gouvernementaux
Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3
Bid Fax: (613) 545-8067

**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

Incoterms 2000 "DDP Delivery Duty Paid", Trenton,
Ontario

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Public Works and Government Services / Travaux publics
et services gouvernementaux
Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3

Title - Sujet CNC Bench Top Tube Bender Machine	
Solicitation No. - N° de l'invitation W3474-162453/A	Date 2015-12-03
Client Reference No. - N° de référence du client W3474-16-24503	
GETS Reference No. - N° de référence de SEAG PW-\$KIN-535-6749	
File No. - N° de dossier KIN-5-44101 (535)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-01-18	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Carriere, Nancy	Buyer Id - Id de l'acheteur kin535
Telephone No. - N° de téléphone (613) 286-5423 ()	FAX No. - N° de FAX (613) 545-8067
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE 35 WESTWIN AVE TRENTON Ontario K0K3W0 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Requirement

The Contractor must provide the goods and services in accordance with the Requirement at Annex "A".

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 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-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

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

The 2003 (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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

Delete: 60 days

Insert: 90 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.

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 Ontario.

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Financial Bid (one (1) hard copy)

Section II: Certifications (one (1) hard copy)

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

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

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

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

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

Section I: Financial Bid

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

3.1.1 Exchange Rate Fluctuation

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

Section II: 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 Financial Evaluation

The Bidder must provide firm lot pricing in Canadian currency for all items in Annex B entitled "Basis of Payment". The Bidder's pricing must not be indexed to any currency exchange rates or commercial index. The format of the Pricing Basis must not be altered.

The price of the bid will be evaluated in Canadian dollars, the Harmonized Sales Tax excluded, Delivered Duty Paid, Canadian Customs Duties and Excise Taxes included.

The Bidder's Firm Lot Price will be multiplied by the quantity to calculate the extended Firm Lot Pricing.

4.2 Basis of Selection

A bid must comply with all requirements of the bid solicitation 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. 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 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed [Declaration Form](http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-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 – List of Names

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

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

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

5.2.2 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

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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 Requirement

There is no security requirement applicable to this Contract.

6.2 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.

6.3.1 General Conditions

[2010A](#) (2015-09-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

- (a) 4003 (2010-08-16), Licensed Software;
- (b) 4001 (2015-04-01), Hardware Purchase, Lease and Maintenance

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 2016.

6.4.2 Shipping Instructions – FOB Destination and DDP

Incoterms 2000 "DDP Delivery Duty Paid", Trenton, Ontario

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Nancy Carrière

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Title: Supply Specialist

Public Works and Government Services Canada

Acquisitions Branch

Address: 86 Clarence Street, Kingston, Ontario

K7L 1X3

Telephone: 613-545-8764

Cell Telephone: 613-286-5423

Facsimile: 613-545-8067

E-mail address: Nancy.Carriere@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 Project Authority: (to be completed by Canada at the time of contract award)

The Project Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

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

6.5.3 Contractor's Representative (to be completed by the Bidder)

General enquiries:

Name: _____

Title: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

Delivery follow-up:

Name: _____

Title: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

6.7 Payment

6.7.1 Basis of Payment – Firm Price, Firm Unit Price(s) or Firm Lot Price(s)

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.

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.

6.7.2 Limitation of Price

SACC *Manual* clause [C6000C](#) (2011-05-16) Limitation of Price

6.7.3 Single Payment

SACC *Manual* clause [H1000C](#) (2008-01-12) Single Payment

6.8 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.

6.9 Certifications

6.9.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.10 Applicable Laws

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

6.11 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 supplemental general conditions 4003 (2010-08-16) Licenses Software;
- (c) 4001 (2015-04-01), Hardware Purchase, Lease and Maintenance
- (d) the general conditions 2010A (2015-09-03), Goods (Medium Complexity), apply to and form part of the Contract;
- (e) Annex A, Requirement;

- (f) Annex B, Basis of Payment;
 (g) the Contractor's bid dated _____ (*insert date of bid*)

6.12 SACC Manual Clauses

SACC Manual clause G1005C (2008-05-12) Insurance

SACC Manual clause B1501C (2012-07-16) Electrical Equipment

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

6.13 (2008-05-12) Intellectual Property Infringement and Royalties

1. The Contractor represents and warrants that, to the best of its knowledge, neither it nor Canada will infringe any third party's intellectual property rights in performing or using the Work, and that Canada will have no obligation to pay royalties of any kind to anyone in connection with the Work.

2. If anyone makes a claim against Canada or the Contractor concerning intellectual property infringement or royalties related to the Work, that Party agrees to notify the other Party in writing immediately. If anyone brings a claim against Canada, according to *Department of Justice Act*, R.S. 1985, c. J-2, the Attorney General of Canada must have the regulation and conduct of all litigation for or against Canada, but the Attorney General may request that the Contractor defend Canada against the claim. In either case, the Contractor agrees to participate fully in the defence and any settlement negotiations and to pay all costs, damages and legal costs incurred or payable as a result of the claim, including the amount of any settlement. Both Parties agree not to settle any claim unless the other Party first approves the settlement in writing.

3. The Contractor has no obligation regarding claims that were only made because:

a. Canada modified the Work or part of the Work without the Contractor's consent or used the Work or part of the Work without the following a requirement of the Contract; or

b. Canada used the Work or part of the Work with a product that the Contractor did not supply under the Contract (unless that use is described in the Contract or the manufacturer's specifications); or

c. the Contractor used equipment, drawings, specifications or other information supplied to the Contractor by Canada (or by someone authorized by Canada); or

d. the Contractor used a specific item of equipment or software that it obtained because of specific instructions from the Contracting Authority; however, this exception only applies if the Contractor has included the following language in its own contract with the supplier of that equipment or software: "[Supplier name] acknowledges that the purchased items will be used by the Government of Canada. If a third party claims that equipment or software supplied under this contract infringes any intellectual property right, [supplier name], if requested to do so by either [Contractor name] or Canada, will defend both [Contractor name] and Canada against that claim at its own expense and will pay all costs, damages and legal fees payable as a result of that infringement." Obtaining this protection from the supplier is the Contractor's responsibility and, if the Contractor does not do so, it will be responsible to Canada for the claim.

4. If anyone claims that, as a result of the Work, the Contractor or Canada is infringing its intellectual property rights, the Contractor must immediately do one of the following:

- a. take whatever steps are necessary to allow Canada to continue to use the allegedly infringing part of the Work; or
- b. modify or replace the Work to avoid intellectual property infringement, while ensuring that the Work continues to meet all the requirements of the Contract; or

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- c. take back the Work and refund any part of the Contract Price that Canada has already paid.

If the Contractor determines that none of these alternatives can reasonably be achieved, or if the Contractor fails to take any of these steps within a reasonable amount of time, Canada may choose either to require the Contractor to do (c), or to take whatever steps are necessary to acquire the rights to use the allegedly infringing part(s) of the Work itself, in which case the Contractor must reimburse Canada for all the costs it incurs to do so.

6.14 Inspection and Acceptance

The Project 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"

REQUIREMENT

1. Background

The Department of National Defence (DND), Aerospace and Telecommunications Engineering Support Squadron (ATESS), Metal Shop is the central point of contract for fabricating rigid lines for Canadian Armed Forces fleets. To comply with the Canadian Armed Forces technical airworthiness policies, all manufactured rigid lines must meet the original engineering drawings and/or the applicable Canadian Forces technical orders. The existing CNC Tube Bender is generally used for larger lines than required, and it is causing issues with meeting tight tolerances.

2. Scope

The ACS technicians within the metal shop play a vital role to ensure that rigid lines meet all requirements by AF9000+ for the Canadian Armed Forces. A new CNC Tube Bender is required that will allow technicians to efficiently, safely, and accurately manufacture rigid lines, made from an assortment of metals, for a number of various aircraft.

3. Requirement

ATESS Metal Shop has a requirement the supply, delivery, installation and training of one (1) CNC Bench Top Tube Bender and all associated tooling as per the Minimum Mandatory Technical Specifications.

4. Minimum Mandatory Technical Specifications

CNC Bench Top Tube Bender must consist of the following components and have the following minimum characteristics and functionalities.

- 4.1** Must have the ability to bend tubing to an unlimited length without extending carriage travel past 36 inches.
- 4.2**
- 4.3** Must be fully automatic, with semi-automatic and manual options available.
- 4.4** Must accommodate up to ½ inch outside diameter mild steel.
- 4.5** Must work in both imperial and metric units of measure.
- 4.6** Machine's overall outer dimensions:
 - Maximum 8 feet length
 - Maximum 3 feet width
 - Maximum 3.5 feet height
- 4.7** Spring back compensation
- 4.8** Touch screen display
- 4.9** Independent speed setting for each axis

-
- 4.10** CMM (Coordinate Measuring Machine) interface capability
- 4.11** Program multiple bends per part
- 4.12** Repeatability must be a minimum of the following:
- DBB +/- 0.0005 inches (distance between bends)
 - POD +/- 0.100 inches (plane of bend)
 - DOB +/- 0.100 inches (degree of bend)
- 4.13** Collet rotation must be 360 degrees and ben arm rotation must be greater than 180 degrees
- 4.1.4** Shop air intake must be in the range of 70 -100 psi (pounds per square inch).

5. Training

Training on site in the use and maintenance of the CNC Bench Top Tube Bender for the Department of National Defence, CFB Trenton, Trenton, Ontario and is responsible for providing labour and covering own travel expenses. Training must be provided by a person or persons that are Factory Trained and or Certified Technician. Training must be a minimum of three days. Training must take place following the installation of the equipment.

6. Documentation

The supplier must provide in French and English complete and current user documentation for the delivered and installed CNC Bench Top Tube Bender. The documentation is to include all technical reference material and user and maintenance guides of the original equipment manufacturer. It must also include a list of replacement parts which include the parts identification numbers.

7. Installation

The supplier must install the CNC Bench Top Tube Bender on site and configure the apparatus (to ensure that it is in proper working order) and is responsible for providing labour and covering own travel expenses.

8. Additional Systems Requirements

The supplier must provide the Service Department Contact Information in case of equipment malfunction or operational questions or technical support during and outside the warranty period.

9. Delivery and Receiving

All equipment must be delivered to the following address:

Department of National Defence
Aerospace and Telecommunications Engineering Support Squadron
20 Alert Blvd, Building 154
Astra, Ontario
K0K 3W0

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ANNEX "B"

BASIS OF PAYMENT

Firm lot prices, all inclusive, in Canadian Funds, Incoterms 2000 Delivered Duty Paid "DDP" to 20 Alert Blvd, Building 154, ATESS, CFB Trenton, Trenton, Ontario. Pricing is to include supply, delivery, installation, software, warranty and training of one (1) CNC Bench Top Tube Bender and all associated tooling listed below.

Firm Requirement:

Item	Description	Quantity	Firm Lot Price
1.0	<p>CNC Bench Top Tube Bender according to Annex A, minimum mandatory technical specifications and the following tooling items to be included in the Firm Lot Price</p> <p><u>Tools</u> – quantity of one each</p> <p><u>Terminology</u> OD = Outside Diameter CLR = Clear Line Radius AB = Aluminum Body TSC = Steel Hard Chrome Plated</p> <p>Bend Die, .125" x .375" CLR, .375" Grip Bend Die, .125" x .500" CLR, .375" Grip Bend Die, .125" x .625" CLR, .375" Grip Bend Die, .125" x .750" CLR, .375" Grip Bend Die, .125" x .875" CLR, .375" Grip Bend Die, .125" x 1.00" CLR, .375" Grip Bend Die, .125" x 1.25" CLR, .375" Grip Bend Die, .125" x 1.50" CLR, .375" Grip</p> <p>Clamp Die, .125" OD x .375" Long Pressure Die, .125" x 8.0" Long</p> <p>Bend Die, .25" OD x .625" CLR, .75" GRIP Bend Die, .25" OD x .75" CLR, .75" GRIP Bend Die, .25" OD x .875" CLR, .75" GRIP Bend Die, .25" OD x 1.0" CLR, .75" GRIP Bend Die, .25" OD x 1.25" CLR, .75" GRIP Bend Die, .25" OD x 1.375" CLR, .75" GRIP Bend Die, .25" OD x 1.50" CLR, .75" GRIP</p> <p>Clamp Die, .25" OD x .75" Long Pressure Die, .25" x 8.0" Long</p> <p>Bend Die, .312" OD x .75" CLR, .936" GRIP Bend Die, .312" OD x .875" CLR, .936" GRIP Bend Die, .312" OD x 1.0" CLR, .936" GRIP</p>	1 Lot	\$ _____/Lot

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W3474-16-24503

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File No. - N° du dossier
KIN-5-44101

Buyer ID - Id de l'acheteur
KIN535
CCC No./N° CCC - FMS No./N° VME

<p>Bend Die, .312" OD x 1.125" CLR, .936" GRIP Bend Die, .312" OD x 1.25" CLR, .936" GRIP Bend Die, .312" OD x 1.50" CLR, .936" GRIP Bend Die, .312" OD x 1.75" CLR, .936" GRIP</p> <p>Clamp Die, .312" OD x .936" Long Pressure Die, .312" x 8.0" Long</p> <p>Bend Die, .375" OD x .875" CLR, 1.125" GRIP Bend Die, .375" OD x 1.0" CLR, 1.125" GRIP Bend Die, .375" OD x 1.25" CLR, 1.125" GRIP Bend Die, .375" OD x 1.50" CLR, 1.125" GRIP Bend Die, .375" OD x 1.75" CLR, 1.125" GRIP</p> <p>Clamp Die, .375" OD x 1.125" Long Pressure Die, .375" x 8.0" Long</p> <p>Bend Die, .50" OD x 1.50" CLR, 1.50" GRIP Bend Die, .50" OD x 1.75" CLR, 1.50" GRIP</p> <p>Clamp Die, .50" OD x 1.50" Long Pressure Die, .50" x 8.0" Long</p> <p><u>Mandrels – Bronze (AB-18)</u></p> <p>Mandrel, .25" OD x .016" Wall, 1-Ball, AB18 Mandrel, .25" OD x .018" Wall, 1-Ball, AB18 Mandrel, .25" OD x .020" Wall, 1-Ball, AB18 Mandrel, .25" OD x .028" Wall, 1-Ball, AB18</p> <p>Mandrel, .312" OD x .020" Wall, 1-Ball, AB18 Mandrel, .312" OD x .028" Wall, 1-Ball, AB18 Mandrel, .312" OD x .035" Wall, 1-Ball, AB18</p> <p>Mandrel, .375" OD x .020" Wall, 1-Ball, AB18 Mandrel, .375" OD x .028" Wall, 1-Ball, AB18 Mandrel, .375" OD x .035" Wall, 1-Ball, AB18</p> <p><u>Mandrels – Steel-Chrome (TSC)</u></p> <p>Mandrel, .25" OD x .020" Wall, 1-Ball, TSC Mandrel, .25" OD x .028" Wall, 1-Ball, TSC</p> <p>Mandrel, .312" OD x .028" Wall, 1-Ball, TSC Mandrel, .312" OD x .035" Wall, 1-Ball, TSC Mandrel, .312" OD x .049" Wall, 1-Ball, TSC</p> <p>Mandrel, .375" OD x .028" Wall, 1-Ball, TSC Mandrel, .375" OD x .035" Wall, 1-Ball, TSC Mandrel, .375" OD x .049" Wall, 1-Ball, TSC</p> <p>Mandrel, .50" OD x .028" Wall, 1-Ball, TSC Mandrel, .50" OD x .035" Wall, 1-Ball, TSC Mandrel, .50" OD x .049" Wall, 1-Ball, TSC</p>		
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	<u>Mandrel Rods</u> Mandrel Rod 8-32 Threads Mandrel Rod 10-24 Threads Mandrel Rod 5/16-18 Threads		
1.2	Installation and Training on site in the use and maintenance of the CNC Bench Top Tube Bender, for a minimum of three (3) days (1 days = 7.5 hours) for the Department of National Defence, located in CFB Trenton, Trenton, Ontario, and is responsible for providing labour and covering own travel expenses.	3 days	\$_____ /3 days
		Taxes if Applicable	
		Grand Total	

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