



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving Public Works and Government**  
**Services Canada/Réception des**  
**soumissions\Travaux publics et Services**  
**gouvernementaux Canada**  
**Building S-111, Rm C-114**  
**101 Menin Rd. Garrison Petawawa**  
**Petawawa**  
**Ontario**  
**K8H 2X3**  
**Bid Fax: (613) 687-6656**

## 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**

**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 Supply  
and Services Operation  
Petawawa Procurement  
Building S-111, Rm C-114  
101 Menin Rd. Garrison Petawawa  
Petawawa  
Ontario  
K8H 2X3

<b>Title - Sujet</b> Press/Ironworker/Milling Machines	
<b>Solicitation No. - N° de l'invitation</b> W0107-15TP02/A	<b>Date</b> 2015-12-02
<b>Client Reference No. - N° de référence du client</b> TP02/TP03/CMC95	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PET-903-1337	
<b>File No. - N° de dossier</b> PET-5-43025 (903)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2016-01-12</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Harrington, Mary-Lou	<b>Buyer Id - Id de l'acheteur</b> pet903
<b>Telephone No. - N° de téléphone</b> (613) 687-0789 ( )	<b>FAX No. - N° de FAX</b> (613) 687-6656
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> See Herein  Garrison Petawawa	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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## PART 1 - GENERAL INFORMATION

### 1.1 Statement of Requirement

To supply, install and provide training for qty one (1) each HYDRAULIC PRESS BRAKE, HYDRAULIC IRONWORKER and VERTICAL/HORIZONTAL MILLING MACHINE for the Materials Section Maint Coy, at Bldg H-112, Garrison Petawawa. The machines required must meet or exceed the minimum mandatory specifications as outlined in Annex A.1, Annex A.2 and Annex A.3 – Statement of Requirement.

### 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

#### 2.1.1 SACC Manual Clauses

B1000T	Condition of Material	2007-11-30
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### 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 (1 hard copy)

Section II: Certifications (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**

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

**3.1.2 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**

##### **4.1.1.1 Mandatory Financial Criteria**

The Bidder must provide firm unit pricing in Canadian currency for items in Annex B entitled "Pricing Basis". 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.

### **4.2 Basis of Selection – Multiple Items**

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price on an item by item basis will be recommended for award of a contract. More than one contract may be awarded as a result of this Request for Proposal.

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

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

## 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 this Contract.

## **6.2 Statement of Requirement**

To supply, install and provide training for qty one each (1) HYDRAULIC PRESS BRAKE, HYDRAULIC IRONWORKER and VERTICAL/HORIZONTAL MILLING MACHINE for the Materials Section Maint Coy, at Bldg H-112, Garrison Petawawa. The machines required must meet or exceed the minimum mandatory specifications as outlined in Annex A.1, Annex A.2 and Annex A.3 – Statement of Requirement.

## **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>) 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.

## **6.4 Term of Contract**

### **6.4.1 Delivery Date**

Delivery and assembly is required as soon as possible but no later than March 31, 2016. Please state your best delivery \_\_\_\_\_. DELIVERIES AFTER MARCH 31, 2016 WILL NOT BE ACCEPTED.

### **6.4.2 Shipping Instructions – FOB Destination and DDP**

Incoterms 2000 "DDP Delivered Duty Paid" Garrison Petawawa

## **6.5 Authorities**

### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Mary Lou Harrington  
Title: Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Petawawa Procurement  
Bldg S-111, Garrison Petawawa, Petawawa, Ont. K8H 2X3

Telephone: 613-687-0789  
Facsimile: 613-687-6656  
E-mail address: Marylou.harrington@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:

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 Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 6.5.3 Contractor's Representative

Name and telephone number of the person responsible for:

General Enquiries

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

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

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

E-mail address: \_\_\_\_\_

Delivery follow-up

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

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 \$ \_\_\_\_\_ (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.



### 6.6.2 Limitation of Price

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

### 6.6.3 Single Payment

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

## 6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

2. Invoices must be distributed as follows:

(a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

## 6.8 Certifications

### 6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated 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 associated 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.

## 6.9 Applicable Laws

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

## 6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2015-09-03);
- (c) Annex A, Requirement
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_ (insert date of bid) (If the bid was clarified or amended, insert at the time of contract award: ", as clarified on \_\_\_\_\_" **or** ", as amended on \_\_\_\_\_" and insert date(s) of clarification(s) or amendment(s))

## 6.11 Defence Contract

SACC Manual clause A9006C (2012-07-16) Defence Contract

## 6.12 SACC Manual Clauses

B7500C	Excess Goods	2006-06-16
G1005C	Insurance	2008-05-12

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B1501C  
A9062C

Electrical Equipment 2006-06-16  
Canadian Forces Site Regulations 2011-05-16

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## **ANNEX "A"**

### **STATEMENT OF REQUIREMENT**

See Attached.

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## **ANNEX "B"**

### **PRICING BASIS**

See Attached.

## ANNEX A.1

### STATEMENT OF REQUIREMENT

## **ITEM 1 – HYDRAULIC PRESS BRAKE**

For the purchase of a Hydraulic Press Brake which will be used for necessary second line repairs/modifications to essential equipment and the manufacturing of replacement parts. This machine will be used in the weld shop, Maint Coy. Bldg H-112, Garrison Petawawa.

### **FEATURES AND SPECIFICATIONS REQUIREMENTS:**

#### **Features**

- Welded, mono-block steel frame for minimum deflection under load.
- Y1 Y2 Dual cylinder down stroking machine with +/- .001” repeatability.
- Cylinders are keyed interlocked and bolted to side frame for zero backlash.
- Bed referenced, precision linear scales assure accurate ram position measurement with repeatability of +/- .001”
- Electrically interlocked, swing away throat guards.
- American/European top tool holders with side to side adjustable wedges
- Touch Screen Graphic CNC controller with easy fill in the blank programming
- Set of heavy duty flip finger assemblies w/cnc R axis adjustment
- Set of front support arms, mounted on a linear guide, running the entire bed length.
- Full length, segmented, hardened and ground, goose neck, upper tool (punch)
- Full length, segmented, hardened and ground, 4 way Vee Die
- Electrical must be 575/3/60

#### **Specifications (minimum requirements)**

Bending Capacity Tons	300 Tons
Overall Bend Length	12’
Distance between Side Housings	8’
Open Height above bed	25 inches
Stroke Length	12 inches
Closed Height	12 inches
Table Width	12 inches
Throat Depth	12 inches
Bed Height above Floor	32 inches

Delivery / Installation: The vendor will deliver and oversee the installation of the new Hydraulic Press Brake by 4 CDSB Petawawa Engineers Services, in bldg H-112, # 227 Montgomery Road, Room # 151.

Training: The vendor must provide at a minimum a (1) day of operator training to all of our DP2 qualified technicians.

Address on base: Maint Coy, H-112, 2 Service Battalion, Po Box 9999 Stn Main, Petawawa, ON, K8H2X3.

Reference Materials: The vendor must provide a complete set of bilingual (French & English) operator / maintenance manual, parts manual including the hydraulic and electrical schematics.

## **PERFORMANCE MEASURES**

### **Warranty**

The system must come with a minimum of a 1-year limited equipment warranty.

## **ANNEX A.2**

### **STATEMENT OF REQUIREMENT**

## **ITEM 2 – HYDRAULIC IRONWORKER**

For the purchase of a Hydraulic Ironworker which will be used for necessary second line repairs/modifications to essential equipment and the manufacturing of replacement parts. This machine will be used in the weld shop, Maint Coy, Bldg H-112, Garrison Petawawa.

### **FEATURES AND SPECIFICATIONS REQUIREMENTS:**

#### **Features**

- Scrap boxes are to be provided at the punching and notching stations.
- Must come with a magnet mounted light for safer operation.
- Adjustable electric back gauge to make positioning and measuring of shearing operations easy and precise.
- Conveniently positioned control panel must be simple and reliable.
- Electric cabinet with low 24 volt DC control circuit and circuit breakers for both the supply line and control circuit.
- The stroke adjustment must be located at easily accessible location.
- A vertical moving punch ram, to provide better punching results and enables pipe notching and bending work.
- A set of 10 pairs of tools up to 1-1/2" round (1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 1", 1-1/4", 1-1/2")
- Electric length gauge
- Gauge table

#### **Specifications (minimum requirements)**

##### **PUNCHES**

Maximum punching pressure 180 ton minimum 120ton

Maximum capacity (dia. x thickness) 1-7/16"x1-1/4" - 2" x 7/8"

Throat 15" to 20"

Maximum stroke length 3"-to 6'"

Working Height up to die 40" to 48"

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## FLAT BAR SHEARING

Flat bar shear 30"x3/4"(16" x 1-1/8")  
Blade length 30" to 36"  
Angle flange trim 4" maximum  
Working height 36" to 42"

## ANGLE SHEARING

At 90° shearing 8" x 8" x 3/4"  
At 45° shearing 3-1/8"x3-1/8"x3/8"  
Working height 46" to 48"

## BAR SHEARING

Round bar shear 1/4" to 2-1/4"  
Square bar shear 1/4" x 1/4" to 2-1/4" x 2-1/4"  
Channel shear 1" to 8"  
H beams 1" to 8"  
Working height 36" to 54"

## NOTCHING

Rectangular notcher (w x d x t) 1/4 x 1/4 x 1/4 to 2" x 3-1/2" x 5/8"  
90° vee notcher 1" x 1" x 1/4" to 4"x 4"x 1"  
Large Vee Notcher 1" x 1" x 1/4" to 5-3/4"x5-3/4"x1"  
Working height 36" to 42"

Delivery / Installation: The vendor will deliver and oversee the installation of the new Hydraulic Ironworker by 4 CDSB Petawawa Engineers Services, in bldg H-112, # 227 Montgomery Road, Room # 151.

Training: The vendor must provide at a minimum a (1) day of operator training to all of our DP2 qualified technicians.

Address on base: Maint Coy, H-112, 2 Service Battalion, Po Box 9999 Stn Main, Petawawa, ON, K8H2X3.

Reference Materials: The vendor must provide a complete set of bilingual (French & English) operator / maintenance manual, parts manual including the hydraulic and electrical schematics.



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## **PERFORMANCE MEASURES**

### **Warranty**

The system must come with a minimum of a 1-year limited equipment warranty.

## **ANNEX A.3**

### **STATEMENT OF REQUIREMENT**

## **ITEM 3 – VERTICAL/HORIZONTAL MILLING MACHINE**

For the purchase of a vertical/horizontal milling machine which will be used for necessary second line repairs/modifications to essential equipment and the manufacturing of replacement parts. This machine will be used in the machine shop, Maint Coy, Bldg H-112, Garrison Petawawa.

### **Objectives**

Once equipped with this machine, the machine shop will be able to replace its broken machine and will be able to produce higher quality parts faster, at a lower operating cost.

### **FEATURES AND SPECIFICATIONS REQUIREMENTS:**

#### **Features**

- Heavy Duty Quill
- Wide Saddle
- Hardened & Ground Slide ways
- “Y” Axis with Ball screws
- “X” Axis with gearbox power feeds & Rapid Traverse
- “Y” Axis with Inverter controlled power feeds
- Z Axis with Rapid Traverse
- Coolant System with Chip tray
- Automatic Lubrication System
- Horizontal Arbor Support & Arbor
- Power 575 Volt 3 phase
- 3-Axis Digital Readout
- Power Drawbar

#### **Specifications (minimum requirements)**

- |                         |                                       |
|-------------------------|---------------------------------------|
| - Table Size            | Oversize Table Minimum Size 48” X 11” |
| - Longitudinal Traverse | Minimum 36.”                          |
| - Cross Traverse        | Minimum 15”                           |
| - Vertical Traverse     | 17.71”                                |
| - Longitudinal Feeds    | Minimum 1 IPM Max 15 IPM              |
| - Cross Feeds           | Minimum 1 IPM Max 15 IPM              |

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- Vertical Spindle Taper	40 ISO
- Vertical Spindle Speeds	Minimum range 80 RPM – 3000 RPM
- Vertical Spindle Travel	4” Minimum
- Horizontal Spindle Taper	40 ISO
- Horizontal Spindle Speed	Minimum Range 65 – 1500 RPM

Delivery / Installation: The vendor will deliver and oversee the installation of the new horizontal/vertical milling machine by 4 CDSB Petawawa Engineers Services, in bldg H-112, # 227 Montgomery Road, Room # 151.

Training: The vendor must provide at a minimum a (1) day of operator training to our machining qualified technicians.

Address on base: Maint Coy, H-112, 2 Service Battalion, Po Box 9999 Stn Main, Petawawa, ON, K8H2X3.

Reference Materials: The vendor must provide a complete set of bilingual (French & English) operator / maintenance manual, parts manual including the hydraulic and electrical schematics.

## **PERFORMANCE MEASURES**

### **Warranty**

The system must come with a minimum of a 1-year limited equipment warranty.

**ANNEX B**  
**PRICING BASIS**

**Pricing Instructions:**

Bidders will provide a firm, all-inclusive unit price in Canadian dollars (exclusive of HST). HST, if applicable, is extra to the price herein and shall be shown on any invoice as a separate item. Customs duties are included.

Incoterms 2000 "DDP Delivered Duty Paid", Garrison Petawawa, Petawawa, Ontario.

Item	Description	Quantity	Firm Unit Price	Extended Unit Price (HST is extra to this price)
1	Hydraulic Press Brake in accordance with Annex A.1  Make/Model offered: _____	1		
2	Hydraulic Ironworker in accordance with Annex A.2  Make/Model Offered: _____	1		
3	Vertical/Horizontal Milling Machine in accordance with Annex A.3  Make/Model Offered: _____	1		