

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
publics et Services gouvernementaux Canada  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 1T3  
Bid Fax: (902) 496-5016

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise  
indicated, all other terms and conditions of the Solicitation  
remain the same.

Ce document est par la présente révisé; sauf indication contraire,  
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution  
Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 3C9  
Nova Scot

<b>Title - Sujet</b> LNS Hydrodynamic bar-feeder	
<b>Solicitation No. - N° de l'invitation</b> W355B-151490/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> W355B-15-1490	<b>Date</b> 2014-12-17
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-309-9414	
<b>File No. - N° de dossier</b> HAL-4-73154 (309)	<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 2015-01-20</b>	
<b>Time Zone</b> Fuseau horaire Atlantic Standard Time AST	
<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> MacNeil, Blaine A.	<b>Buyer Id - Id de l'acheteur</b> hal309
<b>Telephone No. - N° de téléphone</b> (902) 496-5180 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

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> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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>

Solicitation No. - N° de l'invitation

W355B-151490/A

Client Ref. No. - N° de réf. du client

W355B-15-1490

Amd. No. - N° de la modif.

001

File No. - N° du dossier

HAL-4-73154

Buyer ID - Id de l'acheteur

hal309

CCC No./N° CCC - FMS No/ N° VME

## **Amendment #1**

RFP included.

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### **PART 1 - GENERAL INFORMATION**

#### **1. Security Requirement**

There are no security provisions associated with the requirement. Escorts will be provided for the equipment to be delivered and for installation and training as required.

## **2. Requirement**

The Department of National Defense (DND), Fleet Maintenance Facility Cape Scott (FMFCS) has a requirement for a retrofit project to connect an existing LNS Hydrodynamic bar-feeder to an existing Mazak ST-50N lathe and supply qualified training as per the specifications listed. Contractor must confirm the circuitry of the existing lathe and create an interface to allow the bar feeder to work in conjunction with the Mazak lathe.

The full technical requirement is detailed in Annex A, Statement of Requirement.

## **3. Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## **PART 2 - BIDDER INSTRUCTIONS**

### **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 (2014-09-25) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

### **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.

### **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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

### **4. Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

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**

#### **1. Bid Preparation Instructions**

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

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: 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: Technical Bid

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.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment (line item detail p. 2). The total amount of Applicable Taxes must be shown separately.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

### **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

## **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.

### **1.1 Technical Evaluation**

The technical evaluation will assess whether all mandatory requirements are met using the information provided with a bid. Canada reserves the right, but is under no obligation to clarify any information or compliance with a mandatory requirement with a bidder.

### **1.2 Financial Evaluation**

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

## **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**

Bidders must provide the required certifications and documentation 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

## **1. Mandatory Certifications Required Precedent to Contract Award**

### **1.1 Code of Conduct and Certifications - Related documentation**

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

### **1.2 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 [Human Resources and Skills Development Canada \(HRSDC\) - 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**

### **1. Security Requirement**

There are no security provisions associated with the requirement. Escorts will be provided for the equipment to be delivered and for installation and training as required.

### **2. Requirement**

The Contractor agrees to deliver the items and perform the work detailed in Annex A, Statement of Requirement.

### **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.

#### **3.1 General Conditions**

2010C (2014-09-25), General Conditions - Services (Medium Complexity), apply to and form part of the Contract.

### **4. Delivery**

#### **4.1 Delivery Date**

Delivery is mandatory by 31 March 2015. If the goods are not received by this date the contract will be terminated.

#### **4.2 Delivery Terms**

Goods must be delivered DDP Incoterms 2000 FMF Cape Scott HMC Dockyard Halifax, NS.

### **5. Authorities**

#### **5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Blaine MacNeil  
Title: Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Address: 1713 Bedford Row, Halifax, Nova Scotia, B3J 3C9

Telephone: 902-496-5180  
Facsimile: 902-496-5016  
E-mail address: blaine.macneil@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.

## **5.2 Project Authority (named upon award of contract)**

The Project Authority for the Contract is:

Name:  
Title:  
Organization:  
Address:

Telephone

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.

## **5.3 Contractor's Representative**

Name:  
Organization:  
Telephone:  
Facsimile:  
E-mail Address:

## **6. Payment**

### **6.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price at a cost of \$\_\_\_\_\_. 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.

### **6.2 Limitation of Price**

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

## **7. Invoicing Instructions**

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

## **8. Certifications**

### **8.1 Compliance**

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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.

### **8.2 Federal Contractors Program for Employment Equity - Default by the Contractor**

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and HRSDC-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by HRSDC will constitute the Contractor in default as per the terms of the Contract.

## **9. Applicable Laws**

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

## **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 (2014-09-25);
- (c) Annex A, Statement of Requirement;
- (d) Annex B, Requirement Check List;
- (e) the line item detail;
- (f) the Contractor's bid dated \_\_\_\_\_ and any applicable amendments

## **Annex A**

### **Statement of Requirement**

LNS Hydrodynamic bar-feeder Retrofit and training.

#### **REQUIREMENT**

The Department of National Defense (DND), Fleet Maintenance Facility Cape Scott (FMFCS) has a requirement for a retrofit project to connect an existing LNS Hydrodynamic bar-feeder to an existing Mazak ST-50N lathe and supply qualified training as per the specifications listed. Contractor must confirm the circuitry of the existing lathe and create an interface to allow the bar feeder to work in conjunction with the Mazak lathe.

The Department of National Defense reserves the right to verify that all of the mandatory specifications are met prior to the award of contract. All bidders must confirm they have qualified experience with computer interface, alignment of bar feeders and lathes.

Specifications found not to meet this requirement will result in a non-compliant bid, and if found after contract award may result in termination of contract.

Equipment manuals for both units will be available upon request. A site visit will be required at the facility to review the project.

FMFCS will supply the operation of cranes and rigging personnel to relocate or adjust machinery location.

A site visit will be required for viewing.

#### **1.0) Mandatory Specifications:**

- a) Contractor must verify and confirm the circuitry of the existing Mazak lathe, Model ST-50N, and develop a computerized interface to electrically connect the existing LNS Hydrodynamic bar-feeder, Model HYS-7.76-5.2 to accept programs entered into the lathe.
- b) Contractor must set-up and align the existing bar-feeder in its proper position in relation to the lathe. Electrically test the unit.
- c) Install an existing oil Recuperator on the bar-feeder.
- d) Supply and install new push rods for the LNS Hydrodynamic bar-feeder, Model HYS-7.76-5.2 with the following diameters. 32mm, 40mm, 48mm, 56mm, 64mm, 72mm, and 80mm. Quantity is one (1) each. Contractor must set to length and align the push rod to the required specifications to the lathe chuck. The new rods must be compatible with the existing unit.
- e) Supply and install 7 (seven) spindle bore liners into the bar feeder to allow for the installation of the bar stock material into the existing lathe.
- f) Confirm the type and amount of Hydraulic fluid required for the existing bar-feeder. Must meet the proper specifications to the unit.
- g) Confirm and install the correct M codes for the open and closed position of the chuck in the Mazak lathe.

h) Supply and install a Programmable logic controller and all supporting electronics. These units must be compatible with the existing Mazak Lathe.

i) Supply and install two (2) signal lights and lamps.

j) Supply and install all necessary control wiring and protective conduit for all electrical connections between components.

#### 2.0 Fleet Maintenance Facility Cape Scott (FMFCS) responsibilities:

a.) FMFCS will have the installation area cleared of all non-essential material,

b.) FMFCS will provide riggers, crane operator and crane (20,000 lb. capacity) using the equipment manufactures accepted lifting procedure to position the bar-feeder into location.

c.) FMFCS Plant Maintenance Department will supply, install and connect electrical wiring for the LNS Hydrodynamic bar-feeder and Mazak lathe. The bar-feeder will be secured to the concrete floor with approved ½" x 3" diameter anchors when the permanent position is determined.

d) FMFCS will supply and install hydraulic fluid to the bar-feeder.

e) FMFCS will supply and install a parts catcher into the Mazak lathe.

#### 3.0 Contractor's responsibilities:

a) To confirm that all requirements are completed as per the specifications listed.

b) Give all notices and obtain any permits required to complete the work.

c) The contractor shall be responsible for disposing of all waste materials and debris generated by the contractor within the facility.

d) After the contractors and FMFCS final acceptance of the installation, operator training shall commence.

#### 4.0 Training:

Operator training must be provided for a minimum of one (1) day (8 hrs per day) for six (6) machine shop employees at our facility in FMFCS, Halifax, Nova Scotia. The dates of this service will be scheduled by DND in accordance with acceptance of the installation. This training is to be provided by the equipment manufactures trained technician, Field Service Representative (FSR)

#### 5.0 Electrical Certification

Any new electrical parts shall be certified by an acceptable Electrical Certification Organization. The following Certification Organizations are acceptable. The electrical control must bear a label from one of these organizations in order to be recognized as approved.

NOTE: Labels from all Organizations above (with the exception of CSA and ULC), must be accompanied by a small "c" at the eight o'clock position or Canadian Standard number to indicate the product has been certified to the Canadian Standard.

Identify which Organization shall be used:

a.) Canadian Standards Association (CSA),

- b.) QPS Evaluation Services,
- c.) Intertek Testing Services,
- d.) Underwriters Laboratories of Canada (ULC),
- e.) Underwriters Laboratories Inc. (UL),
- f.) Met Laboratories Inc. (MET),
- g.) TUV Rheinland of North America,
- h.) Quality Auditing Institute (QAI),
- i.) TUV America Inc.
- j.) Nemko Canada Inc.
- k.) Curtis-Straus LLC,
- l.) Labtest Certification,
- m.) NSF International,
- n.) Omni-Test Laboratories,
- o.) FM Approvals,
- p.) Entella Canada.

Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected under the Special Inspection Programs and labelled (complete with verification documentation). This inspection must take place before equipment delivery. Identify which Organization shall be used:

## 6.0 WARRANTY

The equipment installed on the bar feeder and lathe shall be guaranteed to be free from manufacturing and operational defects for a period of twelve (12) months from the date it was set-to-work by the contractor's representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Manager or his/her designated representative. The installation work and materials shall be guaranteed for a period of twelve (12) months from the date it was set-to-work by the contractor's representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Manager or his/her designated representative. The contractor shall be responsible for the provision of labour, parts, and field service at their own expense during the term of the warranty period and shall make good all defects within ten (10) days of being informed by Industrial Engineering Manager or his/her designated representative that it is required. All other warranties over and above those specified service herein shall be considered valid.



**Annex B**

**Requirement Check List**

LNS Hydrodynamic bar-feeder Retrofit and training.

**REQUIREMENT**

1.0) Background

The Department of National Defense (DND), Fleet Maintenance Facility Cape Scott (FMFCS) has a requirement for a retrofit project to connect an existing LNS Hydrodynamic bar-feeder to an existing Mazak ST-50N lathe and supply qualified training as per the specifications listed. Contractor must confirm the circuitry of the existing lathe and create an interface to allow the bar feeder to work in conjunction with the Mazak lathe.

The Department of National Defense reserves the right to verify that all of the mandatory specifications are met prior to the award of contract. All bidders must confirm they have qualified experience with computer interface, alignment of bar feeders and lathes.

Specifications found not to be meet this requirement will result in a non-compliant bid, and if found after contract award may result in termination of contract.

Equipment manuals for both units will be available upon request. A site visit will be required at the facility to review the project.

FMFCS will supply the operation of cranes and rigging personnel to relocate or adjust machinery location.

A site visit will be required for viewing.

**Compliant**

**Yes/No**

2.0) Mandatory Specifications:

a) Contractor must verify and confirm the circuitry of the existing Mazak lathe, Model ST-50N, and develop a computerized interface to electrically connect the existing LNS Hydrodynamic bar-feeder, Model HYS-7.76-5.2 to accept programs entered into the lathe.

\_\_\_\_\_

b) Contractor must set-up and align the existing bar-feeder in its proper position in relation to the lathe. Electrically test the unit.

\_\_\_\_\_

c) Install an existing oil Recuperator on the bar-feeder.

\_\_\_\_\_

d) Supply and install new push rods for the LNS Hydrodynamic bar-feeder, Model HYS-7.76-5.2 with the following diameters. 32mm, 40mm, 48mm, 56mm, 64mm, 72mm, and 80mm. Quantity is one (1) each. Contractor must set to length and align the push rod to the required specifications to the lathe chuck. The new rods must be compatible with the existing unit.

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e) Supply and install 7 (seven) spindle bore liners into the bar feeder to allow for the installation of the bar stock material into the existing lathe.

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f) Confirm the type and amount of Hydraulic fluid required for the existing bar-feeder. Must meet the proper specifications to the unit.

---

g) Confirm and install the correct M codes for the open and closed position of the chuck in the Mazak lathe.

---

h) Supply and install a Programmable logic controller and all supporting electronics. These units must be compatible with the existing Mazak Lathe.

---

i) Supply and install two (2) signal lights and lamps.

---

j) Supply and install all necessary control wiring and protective conduit for all electrical connections between components.

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## 2.0 Fleet Maintenance Facility Cape Scott (FMFCS) responsibilities:

a.) FMFCS will have the installation area cleared of all non-essential material,

b.) FMFCS will provide riggers, crane operator and crane (20,000 lb. capacity) using the equipment manufactures accepted lifting procedure to position the bar-feeder into location.

c.) FMFCS Plant Maintenance Department will supply, install and connect electrical wiring for the LNS Hydrodynamic bar-feeder and Mazak lathe. The bar-feeder will be secured to the concrete floor with approved 1/2" x 3" diameter anchors when the permanent position is determined.

d) FMFCS will supply and install hydraulic fluid to the bar-feeder.

e) FMFCS will supply and install a parts catcher into the Mazak lathe.

### 3.0 Contractor's responsibilities:

a) To confirm that all requirements are completed as per the specifications listed.

b) Give all notices and obtain any permits required to complete the work.

c) The contractor shall be responsible for disposing of all waste materials and debris generated by the contractor within the facility.

d) After the contractors and FMFCS final acceptance of the installation, operator training shall commence.

### 4.0 Training:

Operator training must be provided for a minimum of one (1) day (8 hrs per day) for six (6) machine shop employees at our facility in FMFCS, Halifax, Nova Scotia. The dates of this service will be scheduled by DND in accordance with acceptance of the installation. This training is to be provided by the equipment manufactures trained technician, Field Service Representative (FSR)

### 5.0 Electrical Certification

Any new electrical parts shall be certified by an acceptable Electrical Certification Organization. The following Certification Organizations are acceptable. The electrical control must bear a label from one of these organizations in order to be recognized as approved.

NOTE: Labels from all Organizations above (with the exception of CSA and ULC), must be accompanied by a small "c" at the eight o'clock position or Canadian Standard number to indicate the product has been certified to the Canadian Standard.,

**Compliant**

**Yes/No**

Identify which Organization shall be used:

a.) Canadian Standards Association (CSA), \_\_\_\_\_

b.) QPS Evaluation Services, \_\_\_\_\_

c.) Intertek Testing Services, \_\_\_\_\_

d.) Underwriters Laboratories of Canada (ULC), \_\_\_\_\_

e.) Underwriters Laboratories Inc. (UL), \_\_\_\_\_

f.) Met Laboratories Inc. (MET), \_\_\_\_\_

g.) TUV Rheinland of North America, \_\_\_\_\_

h.) Quality Auditing Institute (QAI), \_\_\_\_\_

i.) TUV America Inc. \_\_\_\_\_

j.) Nemko Canada Inc. \_\_\_\_\_

k.) Curtis-Straus LLC, \_\_\_\_\_

l.) Labtest Certification, \_\_\_\_\_

m.) NSF International, \_\_\_\_\_

n.) Omni-Test Laboratories, \_\_\_\_\_

o.) FM Approvals, \_\_\_\_\_

p.) Entella Canada.

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Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected under the Special Inspection Programs and labelled (complete with verification documentation). This inspection must take place before equipment delivery. Identify which Organization shall be used:

#### 6.0 WARRANTY

The equipment installed on the bar feeder and lathe shall be guaranteed to be free from manufacturing and operational defects for a period of twelve (12) months from the date it was set-to-work by the contractor's representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Manager or his/her designated representative. The installation work and materials shall be guaranteed for a period of twelve (12) months from the date it was set-to-work by the contractor's representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Manager or his/her designated representative. The contractor shall be responsible for the provision of labour, parts, and field service at their own expense during the term of the warranty period and shall make good all defects within ten (10) days of being informed by Industrial Engineering Manager or his/her designated representative that it is required. All other warranties over and above those specified service herein shall be considered valid.