

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

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St./ 11 rue, Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet SURFACE FINISH & FORM MACHINE		
Solicitation No. - N° de l'invitation W8486-152230/A	Date 2015-03-24	
Client Reference No. - N° de référence du client W8486-152230		
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-941-67037		
File No. - N° de dossier pv941.W8486-152230	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-05-04		Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>		
Address Enquiries to: - Adresser toutes questions à: Martins, Christina		Buyer Id - Id de l'acheteur pv941
Telephone No. - N° de téléphone (819) 956-6911 ()		FAX No. - N° de FAX (819) 956-3814
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Quality Engineering Test Establishment (QETE) National Printing Bureau 45 Sacre Coeur Boulevard Ramp No 7 Gatineau, Quebec K1A 0K2		

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

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

Issuing Office - Bureau de distribution

Scientific, Medical and Photographic Division / Division
de l'équipement scientifique, des produits photographiques
et pharmaceutiques
11 Laurier St./ 11 rue, Laurier
6B1, Place du Portage
Gatineau, Québec K1A 0S5



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	DEPARTMENT OF NATIONAL DEFENCE C/O QETE WAREHOUSE 819-994-1819 45 SACRE-COEUR BLVD. RAMP 8 , ROOM C-1113 GATINEAU QC J8X 1C6 CANADA	W8486	DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. OTTAWA Ontario K1A0K2 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	SURFACE FINISH & FORM MACHINE SURFACE FINISH & FORM MACHINE in accordance with the Requirement listed in Annex "A." Shipping, manuals, installation, training and software updates included.	D - 1	W8486	1	LOT	\$XXXXXXXXXXXX	See Herein	

TABLE OF CONTENTS

SURFACE FINISH & FORM MACHINE

PART 1 - GENERAL INFORMATION

- 1.1 Requirement
- 1.2 Debriefings

PART 2 - BIDDER INSTRUCTIONS

- 2.1 Standard Instructions, Clauses and Conditions
- 2.2 Submission of Bids
- 2.3 Enquiries - Bid Solicitation
- 2.4 Applicable Laws

PART 3 - BID PREPARATION INSTRUCTIONS

- 3.1 Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

- 4.1 Evaluation Procedures
- 4.2 Basis of Selection

PART 5 - CERTIFICATIONS

- 5.1 Certifications Precedent to Contract Award and Certifications Required with the Bid

PART 6 - RESULTING CONTRACT CLAUSES

- 6.1 Security Requirement
- 6.2 Requirement
- 6.3 Standard Clauses and Conditions
- 6.4 Term of Contract
- 6.5 Authorities
- 6.6 Payment
- 6.7 Invoicing Instructions
- 6.8 Certifications
- 6.9 Applicable Laws
- 6.10 Priority of Documents
- 6.11 SACC Manual Clauses
- 6.12 Shipping Instructions – Delivery at Destination
- 6.13 Inspection and Acceptance

List of Annexes:

Annex A REQUIREMENT

SURFACE FINISH & FORM MACHINE

PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is Detailed under the "Line Item Detail" and herein.

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 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

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(2014-09-25) 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: sixty (60) days
Insert: ninety (90) days

2.1.1 SACC Manual Clauses

B1000T

Condition of Material

2014-06-26

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, Canada.

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: Technical Bid (Three (3) hard copies)
Section II: Financial Bid (One (1) hard copy)
Section III: Certifications (One (1) hard copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft 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>). To assist Canada in reaching its objectives, bidders should:

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

Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

3.1.1 Manuals

All publications/manuals for the Surface Finish & Form Machine must be provided in English and must cover the calibration, operation and maintenance of the system.

3.1.2 Installation (BIDDER TO COMPLETE)

On-site installation must be provided and be carried out by a qualified service technician. The technician performing the installation must be authorized by the OEM to work on the Surface Finish/Form machine being supplied. All work must be performed during normal business hours.

State your best installation schedule. Installation will be carried out within _____ calendar days of delivery and be completed within _____ calendar days.

Delivery, installation and specification testing of the complete and operational surface finish/form machine satisfying all the requirements listed in Annex "A", including but not limited to all accessories/hardware, software, manuals and other documentation must be completed within sixty (60) days of contract award. DND will conduct a performance test on the system once the technician has completed the commissioning procedure as part of the acceptance process.

3.1.2 Training (BIDDER TO COMPLETE)

A minimum of two (2) days of on-site user training must be provided for up to six (6) users. All costs associated with the on-site training must be included in the price.

On-site training will be completed within thirty (30) calendar days of installation and commissioning of the system. Provide complete details of training e.g. duration, scope, etc.,

3.1.3 Service (BIDDER TO COMPLETE)

Purchase of the Surface Finish & Form Machine must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system for a minimum of one (1) year.

Response for service must be within 24 hours or less.

Also, provide the following with your bid (for information purposes only):

- a) Location of available service facilities (after sales service and repair). List the service facilities closest to the destination.

- b) Locations of available replacement parts from consumables to major components.

- c) Response time re: service calls, and escalation schedule, i.e. (how many days with no resolution to a problem until a more experienced person is called in, and from which location).

- d) List the frequency of routine maintenance visits provided by a qualified service technician during the warranty period, if applicable and included in the price.

e) All software licences must include a minimum of one (1) year of maintenance.

3.1.4 Software Updates

The Bidder must provide all software updates and new releases to the purchaser for a period of five (5) years following the acceptance, at no additional cost. All software licenses must include a minimum of one (1) year of maintenance.

Note: The word "updates" means all enhancements, extensions or other modifications to the software. The word "releases" means enhancements or modifications to the software or new modules or supplementary modules that function in conjunction with the software, that represent the next generation of software, and which the Contractor has decided to make available to its customers usually for an additional charge.

3.1.5 Product(s) Offered (BIDDER TO COMPLETE)

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: _____

Model/Part Number: _____

Literature attached: Yes (____) No (____)

3.1.6 Point of Manufacture/Shipping (BIDDER TO COMPLETE)

The Bidder must state the point of manufacture/shipping of goods or where service is to be performed:

Location: _____

Postal Code: _____

3.1.7 Contacts

Bidders are requested to provide the following: Information pertaining to Article 5.4 Contractor Representatives under Part 6, Resulting Contract Clauses.

Section II: Financial Bid

The Bidder must quote a firm lot price all inclusive of supply, installation, training, software updates and manuals, DDP (Gatineau, Quebec) Incoterms 2000, for the goods identified in Line Item 1, the Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

3.2 Exchange Rate Fluctuation

C3011T

Exchange Rate Fluctuation

2013-11-06

Section III: 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 Technical Evaluation

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

Factors for Evaluation

1. **PRICING BASIS (MANDATORY):** Prices must be firm, DDP Delivered Duty Paid.

2. **ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):**

- a) For Items Defined by Specifications:

supporting to their The bidder is required to cross reference with the exact location in the documentation the mandatory technical criteria contained herein supporting technical documentation.

- b) Provision of Supporting Technical Documentation:

Supporting technical documentation for the stores offered shall be provided with the bid at time of bid closing.

Technical brochures or technical data MUST be provided to verify compliancy to the technical mandatory specifications.

Included: YES _____

3. **COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)**

4. **FOR CANADIAN SUPPLIERS ONLY:** Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - see herein. (MANDATORY if applicable)

5. All electrical components must be Canadian Standard Association (CSA) approved.

6. All standards provided with the machine must have certificates establishing traceability to national standards.

4.1.2 Financial Evaluation

Evaluation of Price

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP (Gatineau, Quebec) Incoterms® 2000, Canadian customs duties and excise taxes included.

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.

4.2 Basis of Selection

A0069T Basis of Selection

2007-05-25

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and associated 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 in carrying out any of its obligations under the Contract, 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 may render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Precedent to Contract Award and Certifications Required with the Bid

5.1.1 Certifications Precedent to Contract Award

5.1.1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

5.1.2 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) available from Employment and Social Development Canada (ESDC) - Labours 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

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 Line Item Detail.

6.2.1 Manuals

All publications/manuals for the Surface Finish & Form Machine must be provided in English and must cover the calibration, operation and maintenance of the system.

6.2.2 Installation

On-site installation must be provided and be carried out by a qualified service technician.

6.2.3 Training

A minimum of two (2) days of on-site training must be provided for up to six (6) users.

6.2.4 Service

Purchase of the Surface Finish & Form Machine must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system for a minimum of one (1) year.

6.2.5 Software Updates

The Bidder must provide all software updates and new releases to the purchaser for a period of five (5) years following the acceptance, at no additional cost. All software licenses must include a minimum of one (1) year of maintenance.

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 (2014-11-27), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

4002(2010-08-16) Supplemental General Conditions - Software Development or Modification Services, apply to and form part of the Contract.

4003(2010-08-16) Supplemental General Conditions - Licensed Software, apply to and form part of the Contract.

4004(2013-04-25) Supplemental General Conditions - Maintenance and Support Services for Licensed Software, apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All deliverables are requested on or before August 10, 2015. The Surface/Finish/Form Machine calibration standards with certificates traceable to the National Standards must be valid for a minimum of twelve (12) months after delivery.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Christina Martins
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Commercial and Consumer Products Directorate
Place du Portage III, 6A2
11 Laurier St. Gatineau, Quebec
K1A 0S5
Telephone: (819) 956-6911
Facsimile: (819) 956-3814
Christina.Martins@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 (TO BE COMPLETED AT TIME OF CONTRACT AWARD)

The Technical Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

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

6.5.3 Procurement Authority (TO BE COMPLETED AT TIME OF CONTRACT AWARD)

The Procurement Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

The Procurement 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 Procurement Authority, however the Procurement 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.

6.5.4 Contractor's Representative (PLEASE FILL IN)

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**

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 the contract for Line Item 1, DDP Delivered Duty Paid (Gatineau, Quebec) Incoterms 2000. Customs duties are included and Applicable Taxes extra, if applicable.

6.6.1.1 Limitation of Price

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 SACC Manual Clauses

H1000C

Single Payment

2008-05-12

6.7 Invoicing Instructions

- a) 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.

FOR PROMPT PAYMENTS, ENSURE THE CONTRACT NO./P.O. NUMBER APPEARS ON ALL DOCUMENTATION.

- b) 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. The Contract serial number: W8486-152230 must appear on all invoices.

(b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications**6.8.1 Compliance**

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing co-operation 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, Canada.

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) 2010A (2014-11-27) General Conditions - Goods (Medium Complexity);
- (c) 4002(2010-08-16) Supplemental General Conditions - Software Development or Modification Services, apply to and form part of the Contract.
- (d) 4003(2010-08-16) Supplemental General Conditions - Licensed Software, apply to and form part of the Contract.
- (e) 4004(2013-04-25) Supplemental General Conditions - Maintenance and Support Services for Licensed Software, apply to and form part of the Contract.
- (f) Annex A, Requirement; and
- (g) the Contractor's bid dated _____. (insert date of bid)

6.11 SACC Manual Clauses

B1501C	Electrical Equipment	2006-06-16
A9068C	Government Site Regulations	2010-01-11
A2000C	Foreign Nationals (Canadian Contractor)	2006-06-16
OR		
A2001C	Foreign Nationals (Foreign Contractor)	2006-06-16

6.12 Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) (Ottawa, Ontario) Incoterms 2000 for shipments from a commercial contractor.
2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes.

6.13 Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection

Solicitation No. - N° de l'invitation

W8486-152230/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv941

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W8486-152230

pv941W8486-152230

Authority,
correction at the

as submitted, the Inspection Authority will have the right to reject it or require its
sole expense of the Contractor before recommending payment.

ANNEX A REQUIREMENT SURFACE FINISH & FORM MACHINE

Vendors must cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

The SURFACE FINISH & FORM MACHINE **must** meet all of the following requirements:

1. Stylus range must be greater than or equal to 8mm.

Reference in Contractors Proposal: _____

2. Gauge resolution must be less than or equal to 0.8nm.

Reference in Contractors Proposal: _____

3. Gauge control with motorized lift / lower traverse range must be greater than or equal to 120mm.

Reference in Contractors Proposal: _____

4. Traverse speed must be user selectable between 10mm/s to 0.1mm/s.

Reference in Contractors Proposal: _____

5. Traverse straightness uncertainty must be less than or equal to 0.35 microns/200mm.

Reference in Contractors Proposal: _____

6. Column range must be greater than or equal to 450mm.

Reference in Contractors Proposal: _____

7. Maximum column (Z axis) must have non-linearity..... (0.07+0.03Z{mm}) microns.

Reference in Contractors Proposal: _____

8. Minimum motorized traverse tilt +/- 9 degrees.

Reference in Contractors Proposal: _____

9. The system must have a pneumatic anti-vibration platform.

Reference in Contractors Proposal: _____

10. Minimum styli selection:
60mm Arm with 2um Radius & 60 deg Cone; and
120mm Arm with 0.8mm Diameter; and
60mm small bore stylus.

Reference in Contractors Proposal: _____

11. System noise (Rq) must not be greater than 2nm - Certified calibration standard.

Reference in Contractors Proposal: _____

12. System must have a motorized Y-Stage with no less than 100mm range.

Reference in Contractors Proposal: _____

B. PHYSICAL REQUIREMENTS:

1. System must be capable of running using a standard 110VAC (+/- 10%) 15 amp power outlet.

Reference in Contractors Proposal: _____

C. INTERFACE CHARACTERISTICS:

1. The latest version of an industrial or laboratory grade workstation for the portable computer must be provided.

Reference in Contractors Proposal: _____

2. The portable computer supplied with the system must be upgradeable and must be capable of operating the system.

Reference in Contractors Proposal: _____

3. Monitor for Portable Computer must be a 19" Liquid Crystal Display.

Reference in Contractors Proposal: _____

D. PERFORMANCE REQUIREMENTS:

1. Perform two dimensional and three dimensional surface finish and topography analysis.

Reference in Contractors Proposal: _____

2. Export two dimensional and three dimensional data in point data format (minimum ascii & .pnt formats)

Reference in Contractors Proposal: _____

3. Analyse all aspects of roughness attributes (eg. Ra, Rp, Rv, Rq etc.)

Reference in Contractors Proposal: _____

4. Analyse all aspects of waviness attributes (eg. Wa, Wp, Wq, etc.)

Reference in Contractors Proposal: _____

5. Analyse all aspects of primary attributes (eg. Pa, Pp, Pv, Pc etc.)

Reference in Contractors Proposal: _____

6. Automatic dimensioning and tolerance of contour profiles.

Reference in Contractors Proposal: _____

7. Dual profile comparison for comparing to master component.

Reference in Contractors Proposal: _____

8. Perform contour analysis on standard geometrical shapes.

Reference in Contractors Proposal: _____

9. Perform dimensional, angle, radius, roughness, waviness, datum slope, delta slope, X and Z intercepts, and form analysis.

Reference in Contractors Proposal: _____

10. Minimum requirement for bandwidths are 300:1, 100:1, and those defined by the user.

Reference in Contractors Proposal: _____

11. Minimum Gaussian and International Standards Organization 2CR available filters.

Reference in Contractors Proposal: _____

12. Minimum selectable cut-offs ...0.08, 0.25, 0.8, 2.5, and 8mm as well as those defined by the user.

Reference in Contractors Proposal: _____