

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

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**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 Field Testing Analyzers	
Solicitation No. - N° de l'invitation U6322-131141/A	Date 2013-11-04
Client Reference No. - N° de référence du client U6322-131141	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-219-6411	
File No. - N° de dossier TOR-3-36141 (219)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-16	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: Van Allen, Shelly	Buyer Id - Id de l'acheteur tor219
Telephone No. - N° de téléphone (905) 615-2077 ()	FAX No. - N° de FAX (905) 615-2060
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF INDUSTRY CANADA Ontario Regional Office 232 Yorktech Dr. Markham Ontario L6G1A6 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Delivery Required - Livraison exigée 2014-01-13	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

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	Powermasters	U6322	U6322	1	Each	\$	XXXXXXXXXXXX		2014-01-13	

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this bid solicitation.

2. Requirement

The requirement is detailed under Article 2 of the resulting contract clauses.

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>) 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 (2013-06-01) 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. 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.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 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 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 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.

5. Delivery

While delivery is requested by January 13, 2014, the best delivery that could be offered is _____.

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 (3 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

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

Section II: Financial Bid

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

1.1 Exchange Rate Fluctuation

C3011T (2010-01-11), Exchange Rate Fluctuation

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

1.1.1 Mandatory Technical Criteria

The following mandatory criteria will be taken into consideration in the evaluation of each bid:

- a. Technical compliance to the Requirement at Annex A.
- b. Acceptance of the terms and conditions in the bid solicitation.
- c. Completion of the bid solicitation.

1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, transportation charges and the 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 on an aggregate basis 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Human Resources and Skills Development Canada \(HRSDC\)](http://www.hrsdc.gc.ca) - 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this Contract.

2. Requirement

The Contractor must provide the items detailed under the "Requirement" at Annex "A".

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.

3.1 General Conditions

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before _____ (to be inserted at the time of contract award. Refer to Part 2 - Bidder Instructions, Article 5, Delivery).

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Shelly Van Allen
Public Works and Government Services Canada
Acquisitions Branch
Ontario Region
33 City Centre Drive, Suite 480,

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TOR-3-36141

CCC No./N° CCC - FMS No/ N° VME

Mississauga, Ontario L5B 2N5

Telephone: 905-615-2077

Facsimile: 905-615-2060

E-Mail: shelly.vanallen@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

The Project Authority for the Contract is:

(To be provided at the time of contract award)

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: _____
Title: _____
Telephone No. _____
Facsimile No. _____
E-Mail Address: _____

6. Payment

6.1 Basis of Payment - Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex B, for a cost of \$ _____ (*amount to be inserted at time of contract award*). Transportation charges and 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

6.3 Multiple Payments

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

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.

Invoices must be distributed as follows:

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

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

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.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. (*Insert the name of the province or territory as specified by the Bidder in its bid, if applicable*)

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 (2013-04-25), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____, as clarified on _____, as amended on _____

11. Insurance

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The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

12. SACC Manual clause

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

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ANNEX "A"
REQUIREMENT

Attached Separately.....

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ANNEX "B"

BASIS OF PAYMENT

Firm all inclusive prices in Canadian Dollars, FOB Destination, Transportation charges and the Canadian customs duties and excise taxes included. All Applicable Taxes excluded.

Item #	Qty.	Description	Unit Price FOB Destination	Extended Price
1	2	5-Series, three phase Field Testing Analyzers complete with accessories in accordance with technical Specification at Annex A.	\$ _____	\$ _____
		TOTAL COST		\$ _____

**ANNEX A
REQUIREMENT**

**MANDATORY TECHNICAL SPECIFICATION FOR THREE PHASE FIELD TESTING
ANALYZERS**

Item No.	Description	Specify Page No. in Your Proposal
1	General Specifications:	
	Accuracy Class of +/- 0.05% or greater	
	Operating Temperature: -20 deg C to 50 deg C	
	Storage Temperature: -30 deg C to 60 deg C	
	Humidity: 0 to 90 % or greater, non-condensing	
	Dimensions: 540 mm x 440 mm x 220 mm or less	
	Weight: 30 lbs or less	
	Internal Battery: minimum rating of 14 volts, rechargeable	
	Hard non metallic case	
	Cooling fan for internal components	
	Protective Shield Covering for Voltage and Current Leads	
2	General Display Requirements:	
	A minimum of 8.0 inch display or greater	
	Full Colour, Transflective Display	
	Resolution of 0.001% of display value	
3	Specific Display / Software Requirements:	
	Windows (CE) Based Operating System	
	Must be able to display complete vector diagrams (Colour Plot)	
	Must be able to display % registration of customer load meter test results per measurement function	
	Must be able to display individual waveforms, for voltage, current, power (Plot)	
	Must be able to display complete Current Transformer (CT) Burden results in form of Accuracy Parallelograms per phase, including Ratio and Phase Error's	
	Must be able to display complete Harmonic Analysis Results (Plot)	
	Must be able to display demand test data results	
	Must be able to simultaneously display complete site analysis summary including vector diagram (plot), waveforms (plot), harmonic analysis (plot) and customer load test date	
	Programmed with all Canadian (MC Standard) Meter Drawings	

4	TECHNICAL SPECIFICATIONS:	
a.	Voltage Inputs:	
	4 inputs / channels capable of measuring 10 volts to 600 volts (rms) with a resolution of 1 micro volt. Must be auto-ranging with an accuracy of 0.08% of reading or better between -20 to 50 deg C ambient. All four voltage leads must be fused with a CAT III (1000 V) rating and connect to the analyser via a multi pin connector.	
	Minimum wire length of 6 ft.	
	Ground Wire must be same size (gauge) of voltage leads.	
b.	Current Inputs:	
	3 direct inputs /channels capable of measuring from 0.1 to 20 amps with a resolution of 1 micro amp and an accuracy of 0.08% of reading or better between -20 to 50 deg C ambient. In addition, 6 probe set inputs / channels to accept clamp on probes, flex probes and amp-lite wire probes. Connection to analyser must be via multi pin connectors.	
	Minimum wire length of 6ft	
c.	Frequency:	
	Must be capable of maintaining specified accuracy when measuring a system frequency between 45 and 65 Hz.	
d.	Energy Measurements:	
	Must be capable of providing measurements of watt hours (wh's), volt amp hours (vah's), and Volt amp reactance hours (varh's). These measurements must be user selectable.	
e.	Power Measurements:	
	Must be capable of providing measurements of watts (w), volt amps (va), and volt amp reactance (var). These measurements must be user selectable.	
f.	Burden Testing:	
	Must have the ability to apply and measure the effects on the CT's secondary output accuracy, when additional burdens (resistances) are applied to the CT. Required burdens to be applied are 0.1 ohms, 0.3 ohms, 0.5 ohms, 1.0 ohms, 2.0 ohms and 4.0 ohms.	
g.	Ratio Testing:	
	Must have the ability to conduct ratio and phase angle tests between actual primary and secondary currents to an accuracy of 0.2 % or greater.	
h.	Phase Angle:	
	Must be capable of measuring a phase angle of 0 to 360 degrees with a resolution of 0.2 degrees or better.	
i.	Power Factor:	
	Must be capable of measuring a power factor from -1.00 to +1.00	

j.	Harmonic Analysis:	
	Must be capable of measuring to the 50th Harmonic or greater and, Total Harmonic Distortion (THD).	
k.	Memory:	
	Must be capable of storing a minimum of 150 individual sites in non-volatile memory.	
l.	Auxiliary Power:	
	Minimum range of 120 volts to 530 volts or greater. Unit must also have a built in charging unit.	
m.	System / Data Interfaces:	
	Minimum of 1 External Pulse Input to accept meter pulse pickups	
	Minimum of 2 USB Ports in order to connect computer, mouse, memory readers, etc.	
	Minimum of 1 RS 232 Port	
n.	Additional Functionality:	
	Interval Demand Testing capability	
	End to End Testing capability	
	Three Phase Simultaneous CT Testing	
	CT Demagnetization	
	CT "Dead Site" Testing	
	Synchronized time intervals	
o.	Manual	
	Operating manuals in English must be provided with each instrument.	

