

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Travaux publics et Services gouvernementaux
Canada
Place Bonaventure, portail Sud-Est
800, rue de La Gauchetière Ouest
7 ième étage
Montréal
Québec
H5A 1L6
FAX pour soumissions: (514) 496-3822

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 Console d'essai électrique		
Solicitation No. - N° de l'invitation U6320-130031/A	Date 2012-10-12	
Client Reference No. - N° de référence du client U6320-13-0031		
GETS Reference No. - N° de référence de SEAG PW-\$MTA-550-12173		
File No. - N° de dossier MTA-2-35134 (550)	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-11-27		Time Zone Fuseau horaire Heure Normale du l'Est HNE
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: Guernon (mta550), Émile		Buyer Id - Id de l'acheteur mta550
Telephone No. - N° de téléphone (514) 496-3585 ()		FAX No. - N° de FAX (514) 496-3822
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: MINISTERE DE L'INDUSTRIE CANADA MESURES CANADA 5100 SHERBROOKE EST, RC-18 MONTREAL Québec H1V3R9 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

Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Est
800, rue de La Gauchetière Ouest
7 ième étage
Montréal
Québec
H5A 1L6

Delivery Required - Livraison exigée .	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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

- 1.2. Requirement
- 1.3. Communications Notification
- 1.4. Debriefings

PART 2 - BIDDER INSTRUCTIONS

- 2.1. Standard Instructions, Clauses and Conditions
- 2.2. Submission of Bids
- 2.3. Enquiries - Bid Solicitation
- 2.4. Improvement of Requirement During Solicitation Period
- 2.5. 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. **Code of Conduct Certifications - Certifications Required Precedent to Contract Award**
- 5.2. Certifications Precedent to Contract Award

PART 6 - RESULTING CONTRACT CLAUSES

- 2. Requirement
- 3. Standard Clauses and Conditions
- 4. Term of Contract
- 5. Authorities
- 6. Payment
- 7. Invoicing Instructions
- 8. Certifications
- 9. Applicable Laws
- 10. Priority of Documents

Solicitation No. - N° de l'invitation

U6320-130031/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

mta550

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

U6320-13-0031

MTA-2-35134

11. SACC Manual Clauses
12. Insurance Requirements

List of Annexes:

Annex A	Statement of requirements
Annex B	Basis of payment
Annex C	Mandatory technical specifications to demonstrate upon bid deposit
Annex D	Complete list of bidder's board directors

PART 1 - GENERAL INFORMATION

1.2. Requirement

The requirement is detailed in Annex A - Statement of requirements that form part of the request for proposal and resulting contract.

1.3. Communications Notification

As a courtesy, the Government of Canada requests that successful bidders notify the Contracting Authority in advance of their intention to make public an announcement related to the award of a contract.

1.4. Debriefings

After contract award, bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided 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 (2012-07-11) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The text under Subsection 4 of Section 01 - Code of Conduct and Certifications - Bid of 2003 referenced above is replaced by:

Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide such a list within the required time frame will render the bid non-responsive. Bidders must always submit the list of directors before contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms ([Consent to a Criminal Record Verification form](http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaire-forms-eng.html) - PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaire-forms-eng.html>) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications - Bid of 2003 referenced above is replaced by:

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation.

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.

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

2.3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than **seven (7) 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.

2.4 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least **sept (7) calendar days** before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.5. Applicable Laws

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

Solicitation No. - N° de l'invitation

U6320-130031/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

mta550

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

U6320-13-0031

File No. - N° du dossier

MTA-2-35134

CCC No./N° CCC - FMS No/ N° VME

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 (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>).

To assist Canada in reaching its objectives, bidders are encouraged to:

- 1) use paper containing fibre certified as originating from a sustainably-managed forest and/or 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 (Refer to Annex «C» attached).

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the basis of payment (Refer to Annex «B» attached). The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable.

3.1.1 SACC Manual Clauses

C3011T (11/01/2010) Exchange Rate Fluctuation

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. This team will refer to specification S-E-01 (rev.3) and procedure P-E-01 with related worksheets.

[Http://www.ic.gc.ca/eic/site/mc-mc.nsf/eng/lm00200.html](http://www.ic.gc.ca/eic/site/mc-mc.nsf/eng/lm00200.html) (Procedures P-E-01)

[Http://www.ic.gc.ca/eic/site/mc-mc.nsf/eng/lm00201.html](http://www.ic.gc.ca/eic/site/mc-mc.nsf/eng/lm00201.html) (Worksheets)

4.1.1 Technical Evaluation

It is mandatory to provide technical/ descriptive documents for the product that you are offering to allow the technical evaluation. Failure to comply will render your bid non responsive.

You have to demonstrate in your technical submission that your product is compliant with every characteristics mentionned in Annex «A».

4.1.1.1 Technical Mandatory Requirements

- Compliance to Mandatory criteria to comply upon bid deposit of Annex «A» - Mandatory criterias to demonstrate upon bid deposit.
- Submit with your submission technical/ descriptive documents for the product that you are offering.
- You have to indicate at the end of each criterion if you meet or not.

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB Destination, Canadian customs duties and excise taxes included.

SACC Manual Clauses A0222T Evaluation of Price (11/01/2010),

The contract will be awarded in Canadian dollars. In the event the bid recommended for Contract award was submitted in foreign currency it will be converted using the rate given by the Bank of Canada in effect on the bid solicitation closing date.

4.2. 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 to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

5.1 Code of Conduct Certifications - Certifications Required Precedent to Contract Award

5.1.1 Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229)

(<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

5.2. Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

5.2.1. Federal Contractors Program - over \$25,000 and below \$200,000

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having

worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;

- (d) () has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: _____.

Further information on the FCP is available on the HRSDC Web site.

PART 6 - RESULTING CONTRACT CLAUSES

2. Requirement

The Contractor must provide the requirement in accordance with Annex «A» - Statement of Requirements that form part of the contract.

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 issued by Public Works and Government Services Canada. (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>)

3.1 General Conditions

2010A (2012-07-16), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

Bidders is required to indicate your best date of delivery.

All the deliverables must be received on or before: _____

5. Authorities

5.1 Contracting Authorities

The Contracting Authority for the Contract is:

Émile Guernon
Spécialiste en approvisionnements | Supply Specialist
Direction générale des approvisionnements | Acquisitions Branch
Bureau régional du Québec | Quebec Regional Office
Travaux publics et Services gouvernementaux Canada | Public Works and Government Services Canada
800 rue de la Gauchetière Ouest, Suite 7300, Montréal (Québec) Canada, H5A 1L6
T: 514.496.3585 | F: 514.496.3822 |
E-mail: emile.guernon@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.

5.2 Contact at Customer Department (to be completed by Canada at the time of award)

For all information related to invoicing and/or payments you may communicate with:

Customer Department: _____
Name: _____
Telephone Number: _____

5.3 Contractor Contacts

Name and telephone number of the person responsible for :

General enquiries & Delivery follow-up

Name: _____
Telephone No. : _____
Facsimile No. : _____
E-mail address: _____

5.4 Inspection Authority (to be completed by Canada at the time of award)

The Inspection Authority for the Contract is:

(Name of Inspection Authority)

(Title)

(Department or Agency)

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail address: _____

The Inspection Authority is the representative of the department or agency for whom the Work is being performed under the Contract and is responsible for inspection of the Work and acceptance of the finished work. The Inspection Authority may be represented on-site by a designated inspector and any other Government of Canada inspector who may from time to time be assigned in support of the designated Inspector.

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 of \$ _____ (*amount to be inserted at contract award*). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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 SACC Manual Clause

H1000C (2008-05-12) Single Payment

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.

8. Certifications

8.1 Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the entire contract period. If the Contractor does not comply with any certification or 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 the province of Quebec.

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 (2012-07-16), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Statement of requirements
- (d) Annex B, Basis of payment
- (e) the Contractor's bid dated _____, as amended _____.

11. SACC Manual Clauses

A2000C	Foreign Nationals (Canadian Contractor)	16/06/06
A2001C	Foreign Nationals (Foreign Contractor)	16/06/06
B1501C	Electrical Equipment	16/06/06
C2000C	Taxes - Foreign-based Contractor	30/11/07
D0018C	Delivery, Inspection and Acceptance	30/11/07
G1005C	Insurance	12/05/08

12. Insurance Requirements

The Contractor is responsible to decide 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 will be at its own expense and for its own benefit and protection. It will not release the Contractor from or reduce its liability under the Contract.

Annex «A»**Statement of requirements****DUAL POSITION ELECTRICITY METER TEST CONSOLE**

Details:

1. General.

The test console shall be fully automatic (computer operated) capable of testing energy and demand meter functions. It must meet Measurement Canada's SE - 01 (rev.3) (<http://www.ic.gc.ca/eic/site/mc-mc.nsf/eng/lm00170.html>) requirements for electricity meter testing and other parameters as noted below. The test console must have two (2) meter positions.

2. Power Ratings

- 2.1 The test console shall be designed to operate on 120/208 volt, 20 amp three (3) phase 4 wire supply.
- 2.2 The maximum test current and voltage supply to the meter under test shall be 150 amps at 600 volt capacity.
- 2.3 1:1 current transformer with a minimum current rating of 150 amps is required for closed link single phase meter testing.

3. Meter Test Socket

- 3.1 The test console shall be supplied with meter sockets compatible with all meter forms, including A-base and P-base.
- 3.2 The test console must be equipped with optical pick-up capable of automatically sensing meter disc rotations, visible LED, infrared LED and LCD segment display.

4. Voltage and Current Parameters

- 4.1 The test console shall be capable of testing meters under single phase conditions with potential circuits connected in parallel and current circuits connected in series.
- 4.2 The console shall be equipped with a mechanism to allow for Acreep@ testing and software controlled dial testing.

5. Console Indicators

5.1 The console shall be equipped with digital ammeters, voltmeters and phase angle meters with accuracy criteria to meet SE-01 (rev.3) requirements.

5.2 Power (watt, va and kvar) meter indication (installed on test console or PC monitor).

6. Regulation

6.1 The test console shall be equipped with current and voltage regulators to maintain these two parameters within SE-01 (rev.3) requirements for meter demand testing. This can be integrated into the computer automation system.

7. Pulses

7.1 KYZ pulse inputs are required for 2 and 3 wire meter pulse testing.

7.2 The test console shall contain a pulse generator (3 wire) which is software controlled.

8. Other Requirements

8.1 Instruction manuals, user's guide(s) and test console schematics shall be provided.

8.2 The supplier shall provide evidence that the console meets S-E-01 (rev. 3) specification requirements prior to its delivery. Once delivered and installed on site, the supplier shall put the console into operation, conduct pre-certification testing and dispense training so that Measurement Canada may proceed with certification according to the S-E-01 (rev. 3) specification with the assistance of the supplier.

8.3 The console must have at least a one (1) year warranty and onsite service for parts and labour.

8.4 Test console design to be reviewed and approved prior to letting of contract, for ergonomic purposes. The work will be done by a professional in the field, in other words, an ergonomist.

Solicitation No. - N° de l'invitation

U6320-130031/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

mta550

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

U6320-13-0031

MTA-2-35134

Annex «B»

Basis of payment

A) Dual position electricity meter test console as described in Annex «A» - Requirement.

Qty: 1 EA _____\$

Indicate Part number # _____

Note: The price must include the equipment, testing, training, instruction manuals, shipping fees to destination, installation, one-year warranty on parts and labour, after sale service on site, gst extra.

Annex «C»**Mandatory technical specifications to demonstrate upon bid deposit**

All mandatory technical specifications must be met. Canada request that bidders indicate that they meet each stated criterion, indicating the title of the attached supporting documentation, or the page of the attached brochure or catalogue that meets the criterion. Bidders will be rejected if they do not meet all mandatory requirements.

Details:

1. General.

The test console shall be fully automatic (computer operated) capable of testing energy and demand meter functions. It must meet Measurement Canada's SE - 01 (rev.3) (<http://www.ic.gc.ca/eic/site/mc-mc.nsf/eng/lm00170.html>) requirements for electricity meter testing and other parameters as noted below. The test console must have two (2) meter positions.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

2. Power Ratings

2.1 The test console shall be designed to operate on 120/208 volt, 20 amp three (3) phase 4 wire supply.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

2.2 The maximum test current and voltage supply to the meter under test shall be 150 amps at 600 volt capacity.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

2.3 1:1 current transformer with a minimum current rating of 150 amps is required for closed link single phase meter testing.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

3. Meter Test Socket

3.1 The test console shall be supplied with meter sockets compatible with all meter forms, including A-base and P-base.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

3.2 The test console must be equipped with optical pick-up capable of automatically sensing meter disc rotations, visible LED, infrared LED and LCD segment display.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

4. Voltage and Current Parameters

4.1 The test console shall be capable of testing meters under single phase conditions with potential circuits connected in parallel and current circuits connected in series.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

4.2 The console shall be equipped with a mechanism to allow for Acreep@ testing and software controlled dial testing.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

5. Console Indicators

5.1 The console shall be equipped with digital ammeters, voltmeters and phase angle meters with accuracy criteria to meet SE-01 (rev.3) requirements.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

5.2 Power (watt, va and kvar) meter indication (installed on test console or PC monitor).

A. Reference to Bidder's Proposal _____

In accordance YES or NO

6. Regulation

6.1 The test console shall be equipped with current and voltage regulators to maintain these two parameters within SE-01 (rev.3) requirements for meter demand testing. This can be integrated into the computer automation system.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

7. Pulses

7.1 KYZ pulse inputs are required for 2 and 3 wire meter pulse testing.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

7.2 The test console shall contain a pulse generator (3 wire) which is software controlled.

A. Reference to Bidder's Proposal _____

In accordance YES or NO

8. Other Requirements

8.1 Instruction manuals, user's guide(s) and test console schematics shall be provided.

A. Reference to Bidder's Proposal _____

In accordance

YES or NO

8.2 The supplier shall provide evidence that the console meets S-E-01 (rev. 3) specification requirements prior to its delivery. Once delivered and installed on site, the supplier shall put the console into operation, conduct pre-certification testing and dispense training so that Measurement Canada may proceed with certification according to the S-E-01 (rev. 3) specification with the assistance of the supplier.

A. Reference to Bidder's Proposal _____

In accordance

YES or NO

8.3 The console must have at least a one (1) year warranty and onsite service for parts and labour.

A. Reference to Bidder's Proposal _____

In accordance

YES or NO

8.4 Test console design to be reviewed and approved prior to letting of contract, for ergonomic purposes. The work will be done by a professional in the field, in other words, an ergonomist.

A. Reference to Bidder's Proposal _____

In accordance

YES or NO

Solicitation No. - N° de l'invitation

U6320-130031/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

mta550

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

U6320-13-0031

File No. - N° du dossier

MTA-2-35134

CCC No./N° CCC - FMS No/ N° VME

Annex «D»

Complete list of bidder's board directors

NOTE TO BIDDERS

WRITE ALL DIRECTOR'S SURNAMES AND GIVEN NAMES IN BLOCK LETTERS
