



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
Pacific Region
401 - 1230 Government Street
Victoria, B.C.
V8W 3X4
Bid Fax: (250) 363-3344

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 KVM Transformer	
Solicitation No. - N° de l'invitation W6837-174102/A	Date 2016-11-21
Client Reference No. - N° de référence du client W6837-174102	
GETS Reference No. - N° de référence de SEAG PW-\$VIC-216-7117	
File No. - N° de dossier VIC-6-39160 (216)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-01-04	Time Zone Fuseau horaire Pacific Standard Time PST
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: Thorne, Darlene	Buyer Id - Id de l'acheteur vic216
Telephone No. - N° de téléphone (250) 216-3168 ()	FAX No. - N° de FAX (250) 363-0395
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE 19 Wing Comox, RP OPS DET COMOX BLDG 109 Procurement LAZO BC V0R2K0 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 - Pacific
Region
401 - 1230 Government Street
Victoria, B. C.
V8W 3X4

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

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There are no security requirements.

1.2 Statement of Work

The Statement of Work to be performed is detailed under Annex "A"

1.3 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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

"The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT)."

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the 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.

2.3 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 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 British Columbia.

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 (2 hard copies)

Section III: Certifications (1 hard copies)

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.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

3.1.2 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

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

Mandatory Technical Criteria are established in Annex "A".

4.1.2 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.

4.2 Basis of Selection

4.2.1 Mandatory Technical Criteria

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 AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A"

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) (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](#) (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 10 weeks ARO.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Darlene Thorne
Title: Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
Address: 1230 Government Street, Suite 401 Victoria BC V8W 3X4
Telephone: 250-363-8456
Facsimile: 250-363-0395
E-mail address: Darlene.Thorne@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.

In the event that you are unable to contact the above noted Authority. Please contact PAC.VICCA@tpsgc-pwgsc.gc.ca

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6.5.2 Project Authority

To be identified upon 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.

6.5.3 Contractor's Representative

The Contractor's Representative for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

Refer to Annex "B"

6.6.2 Limitation of Price

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

6.6.3 Method of Payment

SACC Manual clause [H1000C](#) (2008-05-12) Single Payment

6.7 Invoicing Instructions

SACC Manual clause [H5001C](#) (2008-12-12) Invoicing Instructions

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

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6.9 Applicable Laws

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

6.10 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2016-04-04)
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____.

ANNEX "A"

STATEMENT OF WORK

PART 1 - GENERAL

1.2 SHOP DRAWINGS

- .1 Submit shop drawings showing enclosure, compartment doors, mounting devices, terminals, taps, internal and external component layout.
- .2 Technical data:
 - .1 kVA rating
 - .2 Primary and secondary voltages.
 - .3 Frequency.
 - .4 Full load efficiency.
 - .5 BIL for HV sections.
 - .6 Impedance.
 - .7 Maximum losses, no-load and load.

1.3 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CSA C22.1-12, Canadian Electrical Code, Part 1 (22nd Edition), Safety Standard for Electrical Installations.
 - .2 CSA C22.2, General Requirements - Canadian Electrical Code Part II.
 - .3 CAN3-C235-83(R2010), Preferred Voltage Levels for AC Systems, 0 to 50,000 V.
- .2 CAN/CSA-C2-M91, Single-Phase and Three-Phase Distribution Transformers, Types ONAN and LNaN.
- .3 CSA CAN3-C88-M90, Power Transformers and Reactors.
- .4 CAN/CSA-C88.1-96, Power Transformer and Reactor Bushings
- .5 CSA C802.3-1, Power Class Efficiency Standard.

-
- .6 CSA C50, Insulating Oil, Electrical Transformers and Switches.
 - .7 CSA CAN3 - C308 - M80, The Principles and Practice of Insulation Coordination.
 - .8 ANSI C57.12.00, General Requirements for Liquid-Immersed Distribution, Power and Regulating Transformers.
 - .9 NEMA 107, Requirements for Distribution, Power and Regulating Transformers.
 - .10 ANSI/IEEE C57.12.90, Test Code for Liquid-Immersed Distribution, Power Transformers and Guide for Short-Circuit Testing.
 - .11 CSA C227.4-06 (R2011) Three Phase Dead Front Pad Mounted Distribution Transformers
 - .12 IEEE 386 -2006 Standard for Separable Insulated Connector Systems for Power Distribution Systems Above 600V.
 - .13 ANSI/IEEE C57.12.28-2005 Standard for Pad-Mounted Equipment Enclosure Integrity
- 1.4 DELIVERY AND STORAGE
- .1 Ship transformer complete with first fill of liquid.
 - .2 Successful Supplier is responsible for off-loading on site.
- PART 2 - PRODUCTS
- 2.1 EQUIPMENT
- .1 Three phase dead front pad mounted distribution transformers: to CSA C227.4-06 (R2011).
 - .2 Oil filled, pad mounted, 5 legged core design, deadfront type, distribution transformers complete with steel barrier between primary and secondary cable compartments to form a complete factory assembled, self-contained, steel fabricated unit for mounting on vault type base.
 - .3 High voltage loadbreak bushings wells and inserts for connection to distribution system through separable insulated connectors to IEEE 386-2006.

-
- .4 Primary visible break load interrupter switch: 25 kV 300 A, 3 phase located in separate compartment, key interlocked with fuse compartment. Key interlock to prevent opening of fuse compartment unless primary switch is in open position. Also switch cannot be closed unless switch compartment is locked closed.
 - .1 Switching medium to be either oil, SF6 gas or vacuum interrupter.
 - .2 Provide viewing windows to allow visual confirmation of switch position.
 - .5 Primary protection:
 - .1 Type 1: oil immersed, dual sensing Bay-O-Net type fuses in series with current limiting fuses inside tank. Access to fuses to be located in separate compartment from primary switch and to be key interlocked to prevent access to fuses unless primary switch is in open position.
 - .2 Type 2: Vacuum Breaker to serve as both protection and primary switching device
 - .6 Dead front Surge Arrester, metal oxide varistor (M.O.V.) type permanently sealed into a loadbreak elbow housing.

Surge Arrester :

 - .1 Metal Oxide Surge Arrester to ANSI/IEEE C62.11.
 - .2 Arrester housing separable elbow type to ANSI/IEEE 386.
 - .3 Metal oxide varistor in series with non-linear resistance graded gap structure. 25 kV Class
 - .4 Duty Cycle Voltage rating: 18 kV

.5 Acceptable manufacturers:

- .1 Elastimold Type ESA elbow surge arrester.
- .2 Cooper Power Systems: Vari Gap M.O.V Gapped Elbow Arrester
- .3 3 M

2.2 TRANSFORMER CHARACTERISTICS

- .1 Primary voltage: Dual Voltage 4.16/2.4 kV / 24.94/14.4 kV 60 Hz, wye connected, 3 phase, neutral grounded.
- .2 Secondary voltage: 120/208V wye connected, 3 phase, 4 wire, neutral grounded.
- .3 Capacity: 225 KVA.
- .4 Basic impulse level: 125 kV
- .5 Impedance: 4 % max.
- .6 Four-2.5% voltage taps 2-FCAN, 2-FCBN tapchanger located in cable compartment for both primary voltages.
- .7 Temperature rise: 55°C at rated KVA and voltage
- .8 Meet the average sound level as listed in CSA C8.

2.3 TRANSFORMER WINDINGS

- .1 Primary and secondary windings to be copper.

2.4 MAXIMUM LOSSES

- .1 Maximum no load and load losses to comply with standard CAN/CSA-C802-94, for distribution transformers.

2.5 EXTERIOR COOLING

- .1 No exterior cooling fins, cooling tubes or radiators.

2.6 ACCESSORIES

- .1 Liquid level gauge with contacts.
- .2 Temperature indicator with drag hand and contacts.
- .3 Pressure relief device.
- .4 25 mm drain valve.
- .5 25 mm filler plug.

- .6 Drip shield on each bay-o-net.

- 2.7 GROUNDING
 - .1 Tinned copper grounding bus size 6 x 50 mm.
 - .2 Connectors for grounding conductor.

- 2.8 FINISH-TRANSFORMER
 - .1 Zinc rich primer.
 - .2 High corrosive resistant finish to conform to ANSI C57.12.28 -2005.
 - .3 Paint colour to be equipment green Munsell 7GY 3.29/1.5.

- 2.9 EQUIPMENT IDENTIFICATION
 - .1 Nameplate inside enclosure showing information in accordance with CSA-C227.4-06 (R2011).

- 2.10 WARNING SIGNS
 - .1 Provide warning signs in accordance with CSA Standard C2 Three Phase Distribution Transformers.

- 3.0 INSTALLATION
 - .1 Installation to be done by owner.

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ANNEX "B"

BASIS OF PAYMENT

The unit prices below shall be firm and in Canadian funds including Canadian customs duties, excise taxes, and delivery which are to be Delivered Duty Paid (DDP) to destination as indicated herein.

The amount of Goods and Services Tax or Harmonized Tax shall be shown as a separate item.

Item	Description	U of I	Qty	Unit Price	Extended Price
1	KVA Transformer as per Annex "A"	LOT	1	\$	\$
				GST	\$
				TOTAL COST	\$

The best delivery offered is _____ weeks from contract award.

Item	Description	U of I	Qty	Unit Price	Extended Price
2	Option to purchase up to two additional units as per Annex "A" within one year of contract award.	LOT	2	\$	\$
				GST	\$
				TOTAL COST	\$

TOTAL EVALUATED PRICE = EXTENDED PRICE OF ITEMS 1 + 2