

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving Public Works and Government
 Services Canada/Réception des soumissions
 Travaux publics et Services gouvernementaux
 Canada**
 1650, 635 8th Ave. S.W.
 1650, 635 - 8ième ave s.o.
 Calgary
 Alberta
 T2P 3M3

**INVITATION TO TENDER
 APPEL D'OFFRES**

**Tender 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.

**Soumission 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 et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

**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/Travaux publics et Services gouvernementaux
 Canada
 Room 1650, 635 8th Ave. S.W.
 Calgary
 Alberta
 T2P 3M3

Title - Sujet Floating Solar Powered Circ Sys	
Solicitation No. - N° de l'invitation W7702-135576/A	Date 2013-01-17
Client Reference No. - N° de référence du client DRDC	GETS Ref. No. - N° de réf. de SEAG PW-\$CAL-129-6042
File No. - N° de dossier CAL-2-35101 (129)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-02-27	
Time Zone Fuseau horaire Mountain Standard Time MST	
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: Izzotti, Diana	Buyer Id - Id de l'acheteur cal129
Telephone No. - N° de téléphone (403) 292-4421 ()	FAX No. - N° de FAX (403) 292-5786
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Defence R&D Canada Suffield Bldg 560 Receiving Ralston, AB T0J 2N0	

Instructions: See Herein

Instructions: Voir aux présentes

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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

1. Security Requirement
2. Requirement
3. Debriefings

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions
2. Submission of Bids
3. Enquiries - Bid Solicitation
4. Applicable Laws

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures
2. Basis of Selection

PART 5 - CERTIFICATIONS

1. Mandatory Certifications Required Precedent to Contract Award
2. Additional Certifications Precedent to Contract Award and Certifications Required with the Bid

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement
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
11. Defence Contract
12. SACC Manual Clauses

LIST OF ANNEXES:

- Annex A: Requirement
Annex B: Basis of Payment

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

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

3. Debriefings

After contract award, 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 (2012-11-19) 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 and

Insert: one hundred and eighty (180) days

1.1 SACC Manual Clauses

B1000T (2007-11-30) Condition of Material

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 email to PWGSC will not be accepted.

2.1 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 10 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

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 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 Alberta.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

Section I: Technical Bid (1 hard copy)

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 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 Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable.

1.1 Exchange Rate Fluctuation

C3011T	Exchange Rate Fluctuation	2010-01-11
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1.2 SACC Manual Clauses

A0222T	Evaluation of Price	2010-01-11
C6000C	Limitation of Price	2011-05-16
H1000C	Single Payment	2008-05-12

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.
- (c) The evaluation team will determine first if there are three (3) or more bids with a valid Canadian Content certification. In that event, the evaluation process will be limited to the bids with the certification; otherwise, all bids will be evaluated. If some of the bids with a valid certification are declared non-responsive, or are withdrawn, and less than three responsive bids with a valid certification remain, the evaluation will continue among those bids with a valid certification. If all bids with a valid certification are subsequently declared non-responsive, or are withdrawn, then all the other bids received will be evaluated.

1.1 Technical Evaluation**1.1.1 Mandatory Technical Criteria**

See Annex A: Requirement

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 (Free on Board) destination, Canadian customs duties and excise taxes included.

2. Basis of Selection

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation 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, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

- 1.1.1** By submitting a bid, the Bidder certifies, for him/herself and his/her affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation hereinafter mentioned will help Canada in confirming that the certifications are true. By submitting a bid, the Bidder certifies that he/she is aware, and that his/her affiliates are aware, that Canada may request additional information, certifications, consent forms and other evidentiary elements proving identity or eligibility. Canada may also verify the information provided by the Bidder, including the information relating to the acts or convictions specified herein, through independent research, use of any government resources or by contacting third parties. Canada will declare non-responsive any bid in respect of which the information requested is missing or inaccurate, or in respect of which the information contained in the certifications is found to be untrue, in any respect, by Canada. The Bidder and any of the Bidder's affiliates, will also be required to remain free and clear of any acts or convictions specified herein during the period of any contract arising from this bid solicitation.

Bidders who are incorporated, including those bidding as a joint venture, must provide with their bid or promptly thereafter a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, including those bidding as a joint venture, must provide the name of the owner with their bid or promptly thereafter. Bidders bidding as societies, firms, partnerships or associations of persons do not need to provide lists of names. If the required names have 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 comply will render the bid non-responsive. Providing the required names is a mandatory requirement for 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- PWGSC-TPSGC 229](http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html)) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals aforementioned within the time specified. Failure to provide such Consent Forms within the time period provided will result in the bid being declared non-responsive.

2. Additional 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.

2.1 Federal Contractors Program - Certification

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

1. Security Requirement

There is no security requirement associated with the requirement.

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 (2012-11-19), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4.1 Delivery Date

All the deliverables must be received on or before 2013-03-31.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Diana Izzotti
Title: Supply Officer
Directorate: Public Works and Government Services Canada
Acquisitions Branch
Address: 1650, 635 - 8 Ave SW, Calgary, AB T2P 3M3
Telephone: 403-292-4421
Fax: 403- 292-5786
E-mail address: diana.izzotti@pwgsc-tpsgc.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 determined at 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.

Solicitation No. - N° de l'invitation

W7702-135576/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

ca1129

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

DRDC

File No. - N° du dossier

CAL-2-35101

CCC No./N° CCC - FMS No/ N° VME

5.3 Contractor's Representative (to be completed by bidder)

The Contractor's representative is:

Name: _____

Title: _____

Company: _____

Address: _____

Telephone: _____

Fax: _____

E-mail address: _____

6. Payment

6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price as specified in the contract for a cost of;

\$ To be determined at time of contract award.

Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

6.2 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.

6.3 Single Payment

SACC Manual Clause H1000C

Single Payment

2008-05-12

6.4 SACC Manual Clauses

Taxes - Foreign-based Contractor (2007-11-30) C2000C

Canadian Customs Duties and Sales Tax - Foreign-based Contractor (2008-05-12) C2605C

Canadian Customs Documentation (2012-07-16) C2608C

Priority Rating - Canadian-based Contractors (2011-05-16) C2801C

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.

b. 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 Alberta.

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 2003 Standard Instructions - Goods or Services - Competitive Requirements 2012-11-19;
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment
- (e) the Contractor's bid dated _____.

11. Defence Contract

SACC Manual Clause A9006C (2012-07-16) Defence Contract

12. SACC Manual Clauses

A9062C (2011-05-16), Canadian Forces Site Regulations
B7500C (2006-06-16), Excess Goods
G1005C (2008-05-12), Insurance

ANNEX A REQUIREMENT

TITLE: Floating Solar Powered Circulation System

OBJECTIVE:

Upon review of the existing primary sewage treatment system at Defence R&D Canada Suffield's Cameron Centre, it was determined that the original system design does not account for the changes in the weather and precipitation patterns experienced in Southern Alberta in recent years. It was been determined that increasing the evaporation rate would be an economic and sustainable option to improve the efficiency of the system. The advantage of pond mixing is that the additional circulation of the effluent contributes to increased evaporation as well as an increase in effluent quality.

To that effect we require a floating, solar powered circulation system as described below:

Minimum Mandatory Specifications;

The system must be made of stainless steel and non-corrosion polymer construction, with sufficient power supply for day and night operation - solar powered - is deemed essential.

The equipment must be portable and not considered part of the overall construction of the primary sewage treatment system, and weigh a maximum of 850 lbs (380 kg) and have an electronic controller.

The solar panels must be protected from bird fouling, for example through the use of a bird deterrent kit.

Flotation system must consist of three photovoltaic solar panels orientated in a triangular pattern with each float arm adjustable for proper vertical positioning, and a total float buoyancy of 1,450 pounds (660 kg). It must have an on board battery and battery storage for day/night operation.

The circulation system must be high torque (Normal Operation 3ft-lb/0.4Nm. Maximum motor rating 30ft-lb/40Nm.), direct drive (no gearbox), with a low voltage (36 VDC) brushless D.C. motor which is removable, and both the motor and the electronic controller must be readily accessible. The controller can be hard mounted or wireless, but it must be in a weather proof box.

The equipment must be protected from freezing and allow for continued function even when ice forms on the surface pond.

It must have a minimum operating depth of 0.8 M to ensure no damage to machine or bottom of reservoir when run dry in shallow water.

Intake hose: Max length 9M, with no depth adjustment necessary for fluctuations, as the system must float on the surface of the water level. Weight, flotation and configuration of the end of the hose must keep intake above sludge or bottom of pond at all operating depths and prevent clogging. There must also be an option to move the strainer up higher if desired.

All the electrical components must be CSA approved.

The system must have a limited parts and labour warranty and minimum limited 20 year photovoltaic module manufacturer performance warranty and minimum 10 year motor warranty.

Solicitation No. - N° de l'invitation

W7702-135576/A

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CAL-2-35101

Buyer ID - Id de l'acheteur

ca1129

CCC No./N° CCC - FMS No/ N° VME

**ANNEX B
BASIS OF PAYMENT**

All prices are GST/HST extra, and freight is FOB destination.

This requirement is to provide the item specified and detailed in Annex A and delivered to the destination for a total price of:

\$ _____ (GST/HST extra)