



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

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480C
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

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

Title - Sujet Automated Precipitation Gauges	
Solicitation No. - N° de l'invitation 5P315-150696/A	Date 2016-01-11
Client Reference No. - N° de référence du client 5P315-150696	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-219-7033	
File No. - N° de dossier TOR-5-38171 (219)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-02-22	Time Zone Fuseau horaire Eastern Standard Time EST
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: Gao, Feng	Buyer Id - Id de l'acheteur tor219
Telephone No. - N° de téléphone (905) 615-2057 ()	FAX No. - N° de FAX (905) 615-2060
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PARKS CANADA 2155 Ashburnham Drive Peterborough Ontario K9J6Z6 Canada	

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

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PART 1 - GENERAL INFORMATION

1.1 Requirement

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

1.2 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.3 Trade Agreements

"The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), 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) (<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](#) (2015-07-03) 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: 60 days
Insert: 90 days

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 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to

enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

- Section I: Technical Bid (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.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

See Annex C: Evaluation

4.1.2 Financial Evaluation

4.1.2.1 Bidders must submit pricing in accordance with Annex B, Basis of Payment, with their bid at bid closing

4.1.2.2 The Price used in the evaluation will be the Firm Lot Price listed at Annex B, Basis of Payment

4.1.2.3 SACC Manual Clause [A0220T](#) (2014-06-26), Evaluation of Price - Bid

4.2 Basis of Selection - Mandatory Technical Criteria

SACC Manual Clause A0031T (2010-08-16), Basis of Selection - Mandatory Technical Criteria

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. 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 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed [Declaration Form](http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>), 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 – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

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 this Contract.

6.2 Requirement

The Contractor must provide the items detailed under the "Requirement" 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](#) (2015-09-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

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4001 (2015-04-01) Supplemental General Conditions - Hardware Purchase, Lease and Maintenance, apply to and form part of the Contract.

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

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

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before March 31, 2016.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Feng Gao
Title: Intern Officer
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Acquisition Branch, Ontario Region
Address: 33 City Centre Drive, Suite 480C, Mississauga, Ontario L5B 2N5

Telephone: 905-615-2057
Facsimile: 905-615-2060
E-mail address: Feng.Gao@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.

6.5.2 Technical Authority (To be provided at Contract Award)

The Technical Authority for the Contract is:

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

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

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority,

however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative (To be filled in by bidder)

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

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

6.6 Payment

6.6.1 Basis of Payment - Firm Price, Firm Unit Price(s) or Firm Lot Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price, as specified in Annex B, Basis of Payment, for a cost of \$ _____ (insert the amount at contract award). 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.

6.6.2 Single Payment

SACC Manual Clause H1000C (2008-05-12), Single Payment

6.7 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.

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by

the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.9 Applicable Laws

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

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 (2015-09-03) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____

6.11 SACC Manual Clauses

SACC Manual Clause B7500C (2006-06-16) Excess Goods

6.12 Insurance

SACC Manual Clause G1005C (2008-05-12) Insurance

ANNEX "A"

REQUIREMENT

1. Background

Parks Canada at Peterborough, Ontario requires the supply and delivery of twenty (20) Automated Precipitation Gauges. Installation of the twenty (20) rain gauges will be across the Trent-Severn Waterway and Rideau Canal. The development of forecast techniques to estimate the inflows during the snowmelt and post-snowmelt seasons across the watershed requires high-precision and low-maintenance all year around information for rain, snow and mixed precipitation in the real-time format. These practices are highly important for flood prevention and raising community awareness. Each Gauge must have the following Mandatory Specifications:

2. Mandatory Specifications

- 2.1 The instrument must have the SDI-12 (Serial Data Interface at 1200 Baud) digital output to sustain the compatibility with the existing data logging instrumentation.
- 2.2 The instrument must record all precipitation types ranging from precipitation rate of <0.25 mm/hr to >50 mm/hr by having a bucket orifice without a funnel to prevent droplet sticking.
- 2.3 The instrument must eliminate evaporation losses/freezing of precipitation and must contain anti-freeze collection.
- 2.4 The instrument must be functional without heaters, the built in components must be corrosion resistant.
- 2.5 The instrument must contain an integrated temperature sensor and suitable to provide data in temperature-compensated amounts and density.
- 2.6 The instrument must have built in or add-on wind protector to provide reliable and wind-adjusted precipitation data. The add-on must be included if not built in.
- 2.7 The sensor must have power supply from low wattage (20 Watt) solar panels only so it can function without the need to refuel in an outdoor environment.
- 2.8 The sensor must have alarm and warning messages communication.
- 2.9 Collection volume must be a minimum of 1250 mm and a maximum of 1500 mm.
- 2.10 Collection Orifice Area must be a minimum of 200 cm² and a maximum of 250 cm².
- 2.11 Data type must be snow, rain and combined.
- 2.12 Sensor type must be Precipitation Weighing Gauge.
- 2.13 Measuring range must be 0-2800 and higher mm/h.
- 2.14 High Precipitation Resolution must be precisely 0.01 mm.
- 2.15 High Precipitation Accuracy must be within ± 0.1 mm.
- 2.16 Low power supply 10- 12 V.
- 2.17 Low power consumption: < 60 mW -4.5mA at 12 VDC.
- 2.18 The measurement output for Intensity and amount must be in real-time, total amount, bucket content, instrument alarms.
- 2.19 Intensity output interval must be at least 1 minute and no more than 5 minutes.
- 2.20 Equipment must be functional in temperature range of -35C or lower to +50C or higher.

3. Delivery

The system must be delivered to:
2155 Ashburnham Drive,
Peterborough, Ontario
K9L 1P8

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Buyer ID - Id de l'acheteur
Tor219
CCC No./N° CCC - FMS No./N° VME

ANNEX "B"

BASIS OF PAYMENT

Prices are firm lot, all inclusive in Canadian funds including Canadian customs duties, excise taxes, and F.O.B destination (Parks Canada, Peterborough, Ontario), including all delivery charges.

The total amount of Goods and Services Tax or Harmonized Sales Tax is to be shown separately, if applicable.

1. Firm Requirement

Item No.	Description	Firm Unit Price	Quantity	Firm LOT Price
1.1	For the supply and delivery of Automated Precipitation Gauges and all deliverables in accordance with ANNEX A, REQUIREMENT Make _____ Model # _____	\$ _____	20	\$ _____

ANNEX "C"

TECHNICAL EVALUATION

Automated Precipitation Gauges

At bid closing time, the Bidder must submit documentation to demonstrate that their proposed Automated Precipitation Gauges meets the Mandatory Technical Requirements:

Documentation may include specification sheets or descriptive literature that demonstrates that the system offered meets the Mandatory Technical Requirements. If the specification sheets or literature DO NOT address a required specification the Bidder must submit a statement for those items stating how the requirement is being met.

It is recommended that Bidders provide a cross reference for each criteria by completing the table below:

1. Mandatory Technical Requirements

Item #	Requirement	Reference
1.1	The instrument must have the SDI-12 (Serial Data Interface at 1200 Baud) digital output to sustain the compatibility with the existing data logging instrumentation.	
1.2	The instrument must record all precipitation types ranging from precipitation rate of <0.25 mm/hr to >50 mm/hr by having a bucket orifice without a funnel to prevent droplet sticking.	
1.3	The instrument must eliminate evaporation losses/freezing of precipitation and must contain anti-freeze collection.	
1.4	The instrument must be functional without heaters, the built in components must be corrosion resistant.	
1.5	The instrument must contain an integrated temperature sensor and suitable to provide data in temperature-compensated amounts and density	
1.6	The instrument must have built in or add-on wind protector to provide reliable and wind-adjusted precipitation data. The add-on must be included if not built in.	
1.7	The sensor must have power supply from low wattage (20 Watt) solar panels only so it can function without the need to refuel in an outdoor environment.	
1.8	The sensor must have alarm and warning messages communication.	
1.9	Collection volume must be a minimum of 1250 mm and a maximum of 1500 mm.	

1.10	Collection Orifice Area must be a minimum of 200 cm ² and a maximum of 250 cm ² .	
1.11	Data type must be snow, rain and combined.	
1.12	Sensor type must be Precipitation Weighing Gauge.	
1.13	Measuring range must be 0-2800 and higher mm/h.	
1.14	High Precipitation Resolution must be precisely 0.01 mm.	
1.15	High Precipitation Accuracy must be within ±0.1 mm.	
1.16	Low power supply 10- 12 V.	
1.17	Low power consumption: < 60 mW -4.5mA at 12 VDC.	
1.18	The measurement output for Intensity and amount must be in real-time, total amount, bucket content, instrument alarms.	
1.19	Intensity output interval must be at least 1 minute and no more than 5 minutes.	
1.20	Equipment must be functional in temperature range of -35C or lower to +50C or higher.	