



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Travaux publics et Services gouvernementaux
Canada
Place Bonaventure,
800 rue de la Gauchetière Ouest
Portail Sud-Ouest
Bureau 7300
Montréal
Québec
H5A 1L6

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

Travaux publics et Services gouvernementaux Canada
Place Bonaventure,
800 rue de la Gauchetière Ouest
Voir aux présentes - See herein
Montréal
Québec
H5A 1L6

Title - Sujet Séchoir atomiseur - gros	
Solicitation No. - N° de l'invitation 01B30-180258/B	Date 2018-01-18
Client Reference No. - N° de référence du client 01B30-18-0258	
GETS Reference No. - N° de référence de SEAG PW-\$MTA-405-14714	
File No. - N° de dossier MTA-7-40098 (405)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-02-28	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: Séguin, Caroline	Buyer Id - Id de l'acheteur mta405
Telephone No. - N° de téléphone (514) 703-0455 ()	FAX No. - N° de FAX (514) 496-3822
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: MINISTERE DE L'AGRICULTURE ET DE L'AGROALIMENTAIRE CDRSH - ST-HYACINTHE 3600 BOUL.CASAVANT O ST HYACINTHE Québec J2S 8E3 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

This bid solicitation cancels and supersedes previous bid solicitation number 01B30-180258/A dated July 28th 2017 with a closing of September 20th 2017 at 2:00 PM (EDT). A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

This request does not include a security requirement.

1.2 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

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 World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

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 (2017-04-27) 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: 120 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.

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2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) 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 Quebec.

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: two (2) hard copies

Section II: Financial Bid: one (1) hard copy

Section III: Certifications: one (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.

3.1.2 Exchange Rate Fluctuation

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications and additional information 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

Bidders should fill out the Attachment 1 "Mandatory Technical Criteria" below in order to identify the technical bid page and/or section where the criteria are demonstrated.

The bidder must demonstrate that its technical bid is compliant with every technical criteria listed in Attachment 1. In order to do so, a drawing and/or a technical sheet and/or a descriptive document of the proposed equipment must be provided with the bid.

Only the information included in the technical bid will be taken into consideration in the evaluation of the mandatory technical criteria.

A list of parts, including consumable products and accessories should be provided with the bid.

Although bidders must propose products meeting all mandatory specifications and components outlined in Annex A; at the bid closing date, bids will be evaluated on following preselected mandatory criteria mentioned in Attachment 1 to be demonstrated in the bid.

4.1.2 Financial Evaluation

The total price for the items (Items 1+2+3+4 = TOTAL) indicated in Annex B "Basis of Payment" will be evaluated.

4.1.2.1 SACC Manual Clause

[A0222T](#) (2014-06-26), Evaluation of Price

4.2 Basis of Selection

4.2.1 Basis of Selection – 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.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

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Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex [Federal Contractors Program for Employment Equity - Certification](#), before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

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

There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must provide the items detailed in accordance with the Requirement at Annex "A" and the Contractor's technical bid entitled _____, dated _____.

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.

6.3.2 Supplemental General Conditions

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

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to April 30th 2019 inclusive.

6.4.2 Delivery Date

This section will be completed at contract award based on the best delivery date or delay offered by the bidder in Annex B "Basis of Payment":

All the deliverables must be received on or before _____.

6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Caroline Séguin
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Quebec Region
Address: 800 de la Gauchetière Street West, Suite 7300, Montreal (QC), H5A 1L6
Telephone: (514) 703-0455
Facsimile: (514) 496-3822
E-mail address: Caroline.Z.Seguin@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.

6.5.2 Technical Authority

This section will be completed at contract award.

The Technical Authority for the Contract is:

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

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

The Technical 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 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

The Contractor's representative for this contract is:

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

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

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex B "Basis of Payment" for a cost of \$_____ (will be completed 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 Limitation of Price

SACC Manual clause C6000C (2011-05-16), Limitation of Price

6.6.3 Multiple Payments

Canada will pay the Contractor upon completion and delivery of units in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

6.6.4 SACC Manual Clauses

SACC Manual Clauses C2000C (2007-11-30), Taxes – Foreign-based Contractor

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.

Each invoice must be supported by:

- a. a copy of the release document and any other documents as specified in the Contract;
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 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.

6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

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 supplemental general conditions [4001](#) (2015-04-01), Hardware Purchase, Lease and Maintenance;
- (c) the general conditions [2010A](#) (2016-04-04), General Conditions - Goods (Medium Complexity);
- (d) Annex A, Requirement;
- (e) Annex B, Basis of Payment;
- (f) the Contractor's bid dated _____.

6.11 SACC Manual Clauses

[A9068C](#) (2010-01-11), Government Site Regulation
[B1501C](#) (2006-06-16), Electrical Equipment
[G1005C](#) (2016-01-28), Insurance – No Specific Requirement

ANNEX "A"

REQUIREMENT

1. Background

Refurbishment of a pilot plant at the Sainte-Hyacinthe Research and Development Centre (Saint-Hyacinthe, Quebec).

Agriculture and Agri-Food Canada is replacing outdated and aging equipment in the pilot plant, which directly supports the food-processing industry by providing facilities that foster innovation. This includes the development of new or improved products, the adoption of technologies to improve productivity, and support for start-up companies. The refurbishment of the plant will modernize and improve science and technology capacity, allowing federal researchers to better support innovation, adoption and sustainability in the sector.

In this context, here is the description of the requirement for the spray dryer — large.

2. Mandatory general criteria

- 2.1 The unit and its components must be water resistant and must be accessible for cleaning operations;
- 2.2 The unit must be compliant with the electrical standards in place in the province of Quebec. A proof will be required at the time of delivery at the latest.

Proof required at the time of delivery at the latest:

The unit must have an approval issued by a body accredited by the Standards Council of Canada and recognized by the provincial authority having jurisdiction, the Régie de Bâtiment du Québec;

- 2.3 Supplier must provide a hard copy of the certification confirming that the unit has been pre-tested at the manufacturer's facility.
- 2.4 The exterior finish must be rustproof or painted steel.

3. Mandatory technical criteria

- 3.1 All components that come into direct contact with food products must be 316 grade stainless steel or greater. All other stainless steel components must be 304 or greater grade;
- 3.2 The system must be compatible with a 60 Hertz (Hz) and 208 volts (V) single-phase, 208 V three-phase, 347 V single-phase or 600 V three-phase electrical system;
- 3.3 The unit and all its components (before assembly) must not exceed: 7 feet width (7') and 10 feet height (10'). This requirement is included for delivery purposes because the unit and its components will have to go through a door with limited dimensions. The dimensions of the assembled unit can be greater;

-
- 3.4 The system must have an automatic and manual mode;
- 3.5 The system's water evaporating capacity must be, on average 20 kilograms per hour (kg/h) of evaporation when the inlet air temperature is 200°C and the outlet air temperature is 90°C;
- 3.6 Controls for the feed rate, feed pressure, cyclone differential pressure, inlet temperature, outlet temperature, fan speed, and peripheral speed must be variable and independent of each other;
- 3.7 The system must operate with an air flow rate of at least 630 kg/h;
- 3.8 The unit must include an electrical heating system that can raise the inlet temperature up to 350°C;
- 3.9 The unit must include a drying chamber:
- 3.9.1 It must be maximum: diameter (\varnothing) = 2000 mm, height (h) = 2000 mm, 60° angle cone;
 - 3.9.2 It must be compatible with a rotary atomizer, a dual-fluid atomizer and a pressure atomizer;
 - 3.9.3 It must be shock-resistant to a pressure of at least 0.6 bar;
 - 3.9.4 It must be insulated with mineral wool;
 - 3.9.5 It must be equipped with lateral lighting and an observation panel for process inspection;
 - 3.9.6 Four knocking plates must be provided for installation of four air hammers (two mounted on the conical portion and two on the cylinder) for regular discharge of powder;
 - 3.9.7 For security purposes, it must be equipped with an internal gas distributor on the roof of the drying chamber;
 - 3.9.8 For security purposes, it must have a space for cooling the ceiling of the drying chamber at the hot air inlet.
- 3.10 The unit must be equipped of a rotary atomizer with:
- 3.10.1 The motor must operate up to 1.2 kilowatts (kW), at least 175 to 500 Hz, for not less than 10,500 rotations per minute (RPM) to 30,000 RPM;
 - 3.10.2 One 4 m, minimum, supply cable and one 4 meters (m), minimum, thermistor cable, both sheathed, must be provided;
 - 3.10.3 Maximum feeder capacity of 120 kg;
 - 3.10.4 The upper portion must include the motor with a thermistor and an integrated axis with a sealed ball bearing;
 - 3.10.5 The lower portion must include the motor console, supply feeder system, and atomizer skirt.
- 3.11 The unit must include a cooling system:
- 3.11.1 It must have a motor of at least 0.55 kW, a flexible hose, and an appropriate inlet filter for cooling air;
 - 3.11.2 The maximum temperature of the cooling air must be 35°C.
- 3.12 The unit must include a cyclone:
- 3.12.1 It must be shock-resistant to a pressure of at least 9 bars;
 - 3.12.2 It must consist of two separate parts: a central cyclone and a cone-shaped cyclone connected with a tri-clamp;
 - 3.12.3 Cyclone pressure must be measurable.

- 3.13 The unit must include a chemical overpressure system of at least 200 to 349 m/s bar for drying ST2/ST3 powders;
- 3.14 The unit must include a 6 bar (g) compressed air system (oil-free and waterless) at the electrical panel entrance;
- 3.15 System cleaning must be automatic and semi-automatic: pop-up nozzles in the ducts and automatically inserted rotating impact cleaners in the chamber and cyclone. The control system must support programmable CIP sequencing. A customized solution may be possible.
- 3.16 The control system must provide, by means of a compact touch screen located on the side of the spray dryer but in a non-classified area, a real-time overview of the current process and the variable parameters;
- 3.17 The touch screen displaying flow diagrams must cover the following functions:
- On/off
 - Controlled automatic variator;
 - Feed pump regulator;
 - Display and control air temperature at the inlet chamber;
 - Display and control air temperature at the outlet chamber;
 - Fan speed (RPM) indicator and regulation (signal from the frequency converter);
 - On/off buttons with motor indicators;
 - Safety interlocks and alarms;
 - Rotary atomizer speed (RPM) indicator;
- 3.18 The control system must record the variable parameters and allow them to be transferred to a computer by an USB connection. An internet connection and a Bluetooth connection are desirable.

4. Delivery and Installation

The delivery and installation are requested by than March 31 2019 at the latest.

The unit must be delivered and installed to the Saint-Hyacinthe Research and Development Centre, at the following address:

Agriculture and Agri-Food Canada,
Food Research and Development Centre,
3600 Casavant Boulevard West,
St-Hyacinthe, Qc, J2S 8E3, Canada

5. Training

Complete training, ideally in French, otherwise in English, must be provided at the Saint-Hyacinthe Research and Development Centre for up to four (4) users. The training must include, but is not limited to, the maintenance, use and operation of the equipment. Two (2) hard copies or the electronic version of a user and maintenance manual, ideally in French, otherwise in English, must be provided with each piece of equipment.

The training is requested by March 31st 2019.

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MTA-7-40098

Buyer ID - Id de l'acheteur
MTA405
CCC No./N° CCC - FMS No./N° VME

ANNEX "B"

BASIS OF PAYMENT

The contract will be awarded in Canadian dollars (\$CAD)

The prices indicated below exclude applicable taxes.

Item no.	Item description	Quantity	Unit Price *
1	Spray dryer as described Annex «A». Make offered : _____ Model offered : _____	1	\$ _____
2	User manuals in French and/or English	1	\$ _____
3	Transport, delivery fees Installation fees	1 1	\$ _____ \$ _____
4	On-site training	1	\$ _____
Total			\$ _____

* Currency (if other than \$CAD) : _____

Delivery date

The bidders must indicate their best delivery date or best delivery delay:

_____.

ANNEX "C" to PART 5 OF THE BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\)-Labour's](#) website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a [federally regulated employer](#) being subject to the [Employment Equity Act](#).
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- ☐ A5.1. The Bidder certifies already having a valid and current [Agreement to Implement Employment Equity](#) (AIEE) in place with ESDC-Labour.

OR

- ☐ A5.2. The Bidder certifies having submitted the [Agreement to Implement Employment Equity](#) (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- ☐ B1. The Bidder is not a Joint Venture.

OR

- ☐ B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

ATTACHMENT 1

MANDATORY TECHNICAL CRITERIA

Criteria no.	Criteria description	Technical bid reference (Page and/or Section)
2.1	The unit and its components must be water resistant and must be accessible for cleaning operations;	Page: _____ Section: _____
2.4	The exterior finish must be rustproof or painted steel.	Page: _____ Section: _____
3.1	All components that come into direct contact with food products must be 316 grade stainless steel or greater. All other stainless steel components must be 304 or greater grade;	Page: _____ Section: _____
3.2	The system must be compatible with a 60 Hertz (Hz) and 208 volts (V) single-phase, 208 V three-phase, 347 V single-phase or 600 V three-phase electrical system;	Page: _____ Section: _____
3.3	The units or its components must not exceed: 7 feet (7') width and 10 feet (10') height;	Page: _____ Section: _____
3.4	The system must have an automatic and manual mode;	Page: _____ Section: _____
3.5	The system's water evaporating capacity must be, on average 20 kilograms per hour (kg/h) of evaporation when the inlet air temperature is 200°C and the outlet air temperature is 90°C;	Page: _____ Section: _____
3.6	Controls for the feed rate, feed pressure, cyclone differential pressure, inlet temperature, outlet temperature, fan speed, and peripheral speed must be variable and independent of each other;	Page: _____ Section: _____
3.7	The system must operate with an air flow rate of at least 630 kg/h;	Page: _____ Section: _____
3.8	The unit must include an electrical heating system that can raise the inlet temperature up to 350°C;	Page: _____ Section: _____
3.9	The unit must include a drying chamber:	

3.9.1	It must be maximum: diameter (\varnothing) = 2000 mm, height (h) = 2000 mm, 60° angle cone;	Page: _____ Section: _____
3.9.2	It must be compatible with a rotary atomizer, a dual-fluid atomizer and a pressure atomizer;	Page: _____ Section: _____
3.9.3	It must be shock-resistant to a pressure of at least 0.6 bar;	Page: _____ Section: _____
3.9.4	It must be insulated with mineral wool;	Page: _____ Section: _____
3.9.5	It must be equipped with lateral lighting and an observation panel for process inspection;	Page: _____ Section: _____
3.9.6	Four knocking plates must be provided for installation of four air hammers (two mounted on the conical portion and two on the cylinder) for regular discharge of powder;	Page: _____ Section: _____
3.9.7	For security purposes, it must be equipped with an internal gas distributor on the roof of the drying chamber;	Page: _____ Section: _____
3.9.8	For security purposes, it must have a space for cooling the ceiling of the drying chamber at the hot air inlet.	Page: _____ Section: _____
3.10	The unit must be equipped of a rotary atomizer with:	
3.10.1	The motor must operate up to 1.2 kilowatts (kW), at least 175 to 500 Hz, for not less than 10,500 rotations per minute (RPM) to 30,000 RPM;	Page: _____ Section: _____
3.10.2	One 4 m, minimum, supply cable and one 4 meters (m), minimum, thermistor cable, both sheathed, must be provided;	Page: _____ Section: _____
3.10.3	Maximum feeder capacity of 120 kg;	Page: _____ Section: _____
3.10.4	The upper portion must include the motor with a thermistor and an integrated axis with a sealed ball bearing;	Page: _____ Section: _____
3.10.5	The lower portion must include the motor console, supply feeder system, and atomizer skirt.	Page: _____ Section: _____
3.11	The unit must include a cooling system:	

3.11.1	It must have a motor of at least 0.55 kW, a flexible hose, and an appropriate inlet filter for cooling air;	Page: _____ Section: _____
3.11.2	The maximum temperature of the cooling air must be 35°C.	Page: _____ Section: _____
3.12	The unit must include a cyclone:	
3.12.1	It must be shock-resistant to a pressure of at least 9 bars;	Page: _____ Section: _____
3.12.2	It must consist of two separate parts: a central cyclone and a cone-shaped cyclone connected with a tri-clamp;	Page: _____ Section: _____
3.12.3	Cyclone pressure must be measurable.	Page: _____ Section: _____
3.13	The unit must include a chemical overpressure system of at least 200 to 349 m/s bar for drying ST2/ST3 powders;	Page: _____ Section: _____
3.14	The unit must feature a 6 bar (g) compressed air system (oil-free and waterless) at the electrical panel entrance;	Page: _____ Section: _____
3.15	System cleaning must be automatic and semi-automatic: pop-up nozzles in the ducts and automatically inserted rotating impact cleaners in the chamber and cyclone. The control system must support programmable CIP sequencing. A customized solution may be possible.	Page: _____ Section: _____
3.16	The control system must provide, by means of a compact touch screen located on the side of the spray dryer but in a non-classified area, a real-time overview of the current process and the variable parameters;	Page: _____ Section: _____

3.17	<p>The touch screen displaying flow diagrams must cover the following functions:</p> <ul style="list-style-type: none"> • On/off • Controlled automatic variator; • Feed pump regulator; • Display and control air temperature at the inlet chamber; • Display and control air temperature at the outlet chamber; • Fan speed (RPM) indicator and regulation (signal from the frequency converter); • On/off buttons with motor indicators; • Safety interlocks and alarms; • Rotary atomizer speed (RPM) indicator; 	<p>Page: _____</p> <p>Section: _____</p>
3.18	<p>The control system must record the variable parameters and allow them to be transferred to a computer by an USB connection.</p>	<p>Page: _____</p> <p>Section: _____</p>