



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Travaux publics et Services gouvernementaux
Canada

Place Bonaventure, portail Sud-Oue

800, rue de La Gauchetière Ouest

7^e étage, suite 7300

Montréal

Québec

H5A 1L6

FAX pour soumissions: (514) 496-3822

REQUEST FOR PROPOSAL

DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Travaux publics et Services gouvernementaux Canada

Place Bonaventure, portail Sud-Oue

800, rue de La Gauchetière Ouest

7^e étage, suite 7300

Montréal

Québec

H5A 1L6

Title - Sujet système d'alimentation UPS	
Solicitation No. - N° de l'invitation 31241-205593/B	Date 2020-01-08
Client Reference No. - N° de référence du client 31241-205593	
GETS Reference No. - N° de référence de SEAG PW-\$MTA-225-15592	
File No. - N° de dossier MTA-9-42221 (225)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-02-03	Time Zone Fuseau horaire Heure Normale du l'Est HNE
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Dubé, Stéphane	Buyer Id - Id de l'acheteur mta225
Telephone No. - N° de téléphone (514) 603-9967 ()	FAX No. - N° de FAX (514) 496-3822
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CONSEIL NATIONAL DE RECHERCHES DU CANADA 6100 ROYALMOUNT AVE. Portes 6,7 via entrée marchandises MONTREAL Québec H4P2R2 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée Voir Doc.	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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This bid solicitation cancels and supersedes
previous bid solicitation number 31241-205593/A
dated December 10, 2019 with a closing of
January 20, 2020 at 2 pm EST.
A debriefing or feedback session
will be provided upon request to bidders
who bid on the previous solicitation.

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement applicable to this request.

1.2 Requirement

The requirement is detailed under Article 6.2 – Requirement 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 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

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](#) (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

[B1000T](#) (2014-06-26) Condition of Material - Bid

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 in the bid solicitation.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the Quebec Regional Office the email address is:

TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 6 (six) 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 the province of 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.

2.5 Optional Site Visit

It is recommended that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for the site visit to be held at 6100 Royalmount Avenue, Montréal, Québec, H4P 2R2 on **Wednesday, January 15, 2020**. The site visit will begin at **10 AM EST**.

Bidders are requested to communicate with the Contracting Authority no later than Tuesday, January 14 by 5 pm EST to confirm attendance and provide the name(s) of the person(s) who will attend. Bidders may be requested to sign an attendance sheet. Bidders who do not attend or do not send a representative will not be given an alternative appointment but they will not be precluded from submitting a bid. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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 hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). 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.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “D” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “D” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

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

Bids will be evaluated on the mandatory technical requirements in Annex C.

Bidder must clearly demonstrate how their proposed products meet each and every mandatory criteria in Annex C. The mere mention that it meets the criteria is not enough. It is mandatory to provide technical/ descriptive documents and/or technical literature/notes, at the submission of your bid for all products offered to allow the technical evaluation.

Canada will evaluate only the documentation provided with a bidder's bid. Canada will not evaluate information such as references to Web site addresses where additional information can be found, or technical manuals or brochures not submitted with the bid.

All bids that do not clearly demonstrate the conformity with each Mandatory Technical Criteria listed in Annex C, will be considered as non-responsive.

Only proposals that meet the mandatory criteria will be subject to the financial evaluation. Bids that do not meet these conditions will be rejected.

4.1.2 Financial Evaluation

1. Bidders must submit firm prices, customs duties, excise taxes and Applicable Taxes excluded.
2. Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
3. Bidders must provide prices Delivered at Place (DAP) – 6100 Royalmount Avenue, Montréal, Québec, H4P 2R2 - Incoterms 2010 for shipments from a commercial contractor. Bids will be assessed on a DAP basis.

The Bidder must complete all the prices requested in Annex B (Table A, items 1 to 3) in order to be able to perform the complete financial evaluation. If a field is empty, the price will be considered to be 0\$.

The price of the bid will be determined as follows (Annex B):
Total price Table A(1 to 3) = evaluation price

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4.2 Basis of Selection

4.2.1 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. 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 Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-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 – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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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5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Certification of the original equipment manufacturer

Any bidders who is not the original manufacturer of all the equipment proposed as part of its bid must submit a certificate signed by the original equipment manufacturer (and not the bidder) certifying that the bidder is authorized to provide the material and to do its maintenance. No contract will be awarded to a bidder that is not the original manufacturer of the proposed equipment in Canada unless the manufacturer's certification has been provided to Canada.

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 Requirement

The Contractor must provide the items detailed in Annex A - Requirement.

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](#) (2018-06-21), General Conditions - Goods (Medium Complexity), 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 the date of Contract award until November 30, 2020.

6.4.2 Delivery Date

All the deliverables must be received on or before _____ (*bidder to insert the date*).

6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at section 5 of Annex A of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Stephane Dubé
Title: Supply Officer
Public Services and Procurement Canada (PSPC)
Acquisitions Branch
Supply and Compensation Directorate
800, rue de La Gauchetière Ouest - 7e floor, suite 7300, Montréal, Québec H5A 1L6

Telephone: 514-603-9967

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Facsimile: 514-496-3822
E-mail address: stephane.dube@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 Project Authority (Will be completed by Canada once awarded)

The Project Authority for the Contract is:

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

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

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

Name: _____
Title: _____
Organization: _____
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 price, as specified in Annex B, for a cost of _____ \$ (*amount will be inserted at contract award*). Customs duties 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 (2017-08-17) Limitation of Price

6.6.3 Single Payment

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

6.6.4 SACC Manual Clauses

A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)
A2001C (2006-06-16) Foreign Nationals (Foreign Contractor)
C0100C (2010-01-11), Discretionary Audit - Commercial Goods and/or Services
C2000C (2007-11-30), Taxes - Foreign-based Contractor
C2605C (2008-05-12), Canadian Customs Duties and Sales Tax - Foreign-based Contractor

6.6.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only).

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 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.

6.9 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 (2018-06-21), 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

A9068C (2010-01-11) Government Site Regulations
B1501C (2018-06-21) Electrical equipment
B7500C (2006-06-16) Excess Good
B9028C (2007-05-25) Access to Facilities and Equipment
D0018C (2007-11-30) Delivery and Unloading
G1005C (2016-01-28) Insurance

ANNEX "A"

REQUIREMENT

1.0 Object

The Aquatic Crop and Resource Development (ACRD) Research Center of the National Research Council Canada requires the supply and delivery of an online Uninterruptible Power Supply (UPS) system for an analytical chemistry laboratory containing more than 15 apparatus, including mass spectrometers coupled with gas and liquid chromatographs. UPS must be suitable to support large inrush current caused by loads such as pumps, motor, compressor, heating and cooling devices without switching to bypass or causing overload.

The UPS will supply a laboratory grade AC output sinewave which is unaffected by the quality of the AC input. The input voltage is a three phases and the output voltage is a three phases.

The work consists of supply, delivery, start up and commissioning of the UPS at the NRC address.

2.0 Constraints

UPS will replace an existing UPS in an existing electrical room. Therefore it is essential that it is constituted of one single unit connected to one distribution panel. The total foot print of the UPS should not be greater than 1.0 m x 1.5 m and its height should be inferior to 2.0 m.

3.0 Technical specifications

Mandatory specifications:

- 3.1. The UPS must have a True ON-LINE, 100% IGBT Transistors (Rectifier & Inverter) technology.
- 3.2. UPS must be minimal capacity: 30kVA/ 27kW with a power factor of at least 0.9.
- 3.3. Must have input specifications: Input Voltage: 208VAC (three-phase); Input Voltage Range: +10% to -15%; Power Factor: > 0.97; Input Frequency range: 55-65 Hz; Input THDi: < 3%.
- 3.4. Must have output specifications: Output Voltage: 208/120VAC (three-phase, four-wire); Output Frequency: 60 Hz; Overload capacity (inverter): 125% for at least 5 min.
- 3.5. The total foot print of the UPS must not be greater than 1.0 m x 1.5 m and its height and be inferior to 2.0 m.
- 3.6. The UPS must have standard leveling feet.
- 3.7. The UPS unit must have an Internal Maintenance Bypass Switch to allow maintenance or other operations.
- 3.8. The UPS must have LCD display for all important information.
- 3.9. Batteries: Batteries must be hot swappable during normal operation.

- 3.10. At the time of operation, The UPS system must be delivered in one piece, fully assembled and be fully functional.
- 3.11. The UPS must be approved for Canada (CSA or equivalent).
- 3.12. The vendor must be an authorized distributor.

4.0 Deliverables

- 4.1. Technical documentation: The UPS system must include at least one operating manual in English (hard and/or soft copy, no preference) upon delivery.
- 4.2. Warranty: 2 years of on-site service which covers electronics and labor, and a 2 year warranty on the batteries.
- 4.3. Commissioning: must be completed within 2 weeks after delivery.

5.0 Delivery and Installation

The UPS system must be delivered at:

6100 Royalmount Avenue,
Montréal, Québec,
H4P 2R2

Delivery is requested by March 31, 2020.

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31241-205593/B
N° de réf. du client - Client Ref. No.
31241-205593

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File No. - N° du dossier
MTA-9-42221

Buyer ID - Id de l'acheteur
MTA225
N° CCC / CCC No./ N° VME - FMS

ANNEX "B"

BASIS OF PAYMENT

Note:

1. See point 4.1.2 for instructions

Table A

Item	Description	Quantity	Unit Price	Extended Price
1	Online Uninterruptible Power Supply (UPS) system, as per Annex A	1	\$	\$
2	Transport & delivery	1	\$	\$
3	Installation (start up and commissioning)	1	\$	\$
TOTAL PRICE A (1 to 3)				\$

ANNEX "C"

MANDATORY TECHNICAL CRITERIA

Note:

1. See point 4.1.1 for instructions

MANDATORY TECHNICAL CRITERIA TO BE IDENTIFIED		
NO ART.	DESCRIPTION	Specify where these mandatory technical criteria are demonstrated in your technical proposal
3.1	The UPS must have a True ON-LINE, 100% IGBT Transistors (Rectifier & Inverter) technology.	
3.2	UPS must be minimal capacity: 30kVA/ 27kW with a power factor of at least 0.9.	
3.3	Must have input specifications: Input Voltage: 208VAC (three-phase); Input Voltage Range: +10% to -15%; Power Factor: > 0.97; Input Frequency range: 55-65 Hz; Input THDi: < 3%.	
3.4	Must have output specifications: Output Voltage: 208/120VAC (three-phase, four-wire); Output Frequency: 60 Hz; Overload capacity (inverter): 125% for at least 5 min.	
3.5	The total foot print of the UPS must not be greater than 1.0 m x 1.5 m and its height and be inferior to 2.0 m.	
3.7	The UPS unit must have an Internal Maintenance Bypass Switch to allow maintenance or other operations.	

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ANNEX “D” to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ☐ VISA Acquisition Card;
- ☐ MasterCard Acquisition Card;
- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI);
- ☐ Wire Transfer (International Only).

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ANNEX “E” to PART 5 OF THE BID SOLICITATION

COMPLETE LIST OF COMPANY BOARD OF DIRECTORS

NOTE TO BIDDERS:

WRITE ALL DIRECTOR’S FULL NAMES IN BLOCK LETTERS

PROCUREMENT - BUSINESS NUMBER (PBN): _____

The questions and answers from tender version /A are still applicable to this version /B, therefore are included in it.

Questions and answers:

Q1: What is the autonomy requested and at what power?

A1: 5 minutes at 30 kVA.

Q2: We will replace which UPS system, make and model?

A2: Toshiba T42F3F250XAMBN

Q3: In Annex A, 1.0 Objective: "The UPS must be able to withstand a large current demand caused by loads such as pumps, motors, compressors, heating and cooling devices, without going into bypass mode and without causing overload." Can you provide us with the technical specifications of these equipment, please?

System should be able to support at least the following items, in addition to any other similar equipment:

A3:

- 1 HPLC from Agilent (1200) + Bruker micro TOFQ MS Detector
- 4 HPLCs from Waters with various detectors
- 2 separation modules from Waters (e2695)
- 1 GC-MS AGILENT (7890a/5975c)
- 1 Ionic Chromatograph from Dionex (ICS-3000)
- 4 GCs from Agilent with various detectors (FID, TCD, ECD)
- 1 LC-MS from Shimadzu (LC-MS 2020)
- 1 Gel Permeation Chromatograph from Viscotek (GPC max)
- 1 vacuum rotoevaporator with Buchi vacuum pump V-700
- 1 Isotemp vacuum oven Model 281A

Q4: I'm just wondering if batteries are to be supplied with the bid, and if so what sort or runtime is required.

A4: Yes, batteries have to be supplied with the bid. Runtime of 5 minutes at 30 kVA.

Q5: Do you have a load profile?

A5: Here is a typical load profile:

- 1 HPLC from Agilent (1200) + Bruker micro TOFQ MS Detector
- 4 HPLCs from Waters with various detectors
- 2 separation modules from Waters (e2695)
- 1 GC-MS AGILENT (7890a/5975c)
- 1 Ionic Chromatograph from Dionex (ICS-3000)
- 4 GCs from Agilent with various detectors (FID, TCD, ECD)
- 1 LC-MS from Shimadzu (LC-MS 2020)
- 1 Gel Permeation Chromatograph from Viscotek (GPC max)
- 1 vacuum rotoevaporator with Buchi vacuum pump V-700
- 1 Isotemp vacuum oven Model 281A

Q6: Do you know the recharge time required for the batteries?

A6: No specification required for the battery recharge time.

Q7: The spec on the UPS does not indicate how much battery time is required. Please elaborate.

A7: Battery time required: 5 minutes at 30 kVA.

Q8: Annex "A". 1.0: it is mentioned that the UPS must be able to support 15 devices capable of supporting pumps, motors and compressors: what is the "on-Line" overload required at the output of the UPS in order to be able to support the equipment? (in amperage or in% of 30KVA)?

A8: 300% for a minimum of 140 milliseconds on the inverter & 150% for 60 seconds

Q9: How long do we have to withstand this overload (pump) duration (seconds or minutes)?

A9: 300% for a minimum of 140 milliseconds on the inverter & 150% for 60 seconds.

Q10: Warranty / support: What are your requirements for local support such as technicians and parts?

A10: 2 years of on-site service which covers electronics and certify labor, and a 2 year warranty on the batteries. (see item 4.2)

Q11: Delivery: to an unloading dock or interior delivery of the unpacked and unloaded building?

A11: The UPS has to be delivered at the shipping dock and then to the final location (room L-601). The UPS has to be unpacked and installed.

Q12: Start-up: Should we include the presence of a technician to ensure start-up?

A12: Yes, a certified technician has to be present for the startup of the UPS to valid the warranty.

Q13: In addition to the requirements to supply this Uninterruptible Power Supply (UPS), the RFP requires that bidders also install and commission the UPS. As a result it is very important for us to perform a site survey so that we can carefully review the location where this work is to be safely performed, and also so that we can properly determine the pricing for the installation and commissioning of the UPS, including determining the location of freight elevators, etc. The incumbent OEM, Toshiba, would already have this information since they had already installed the existing UPS. Therefore, in order to be fair to bidders for this requirement, can you please allow us to come to the site on Wednesday, January 15th to perform a site survey??

A13: See point 2.5 of the tender version /B for information concerning the site visit.