



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Travaux publics et Services gouvernementaux  
Canada  
Place Bonaventure, portail Sud-Oue  
800, rue de La Gauchetière Ouest  
7e étage, suite 7300  
Montréal  
Québec  
H5A 1L6  
FAX pour soumissions: (514) 496-3822

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**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  
7e étage, suite 7300  
Montréal  
Québec  
H5A 1L6

<b>Title - Sujet</b> Fluid Bed Dryer System	
<b>Solicitation No. - N° de l'invitation</b> 01B30-190284/B	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> 01B30-190284	<b>Date</b> 2019-03-07
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$MTA-030-15244	
<b>File No. - N° de dossier</b> MTA-8-41126 (030)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-04-01</b>	
<b>Time Zone</b> Fuseau horaire Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Pomet, Bruno André	<b>Buyer Id - Id de l'acheteur</b> mta030
<b>Telephone No. - N° de téléphone</b> (514) 702-9582 ( )	<b>FAX No. - N° de FAX</b> (514) 496-3822
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

### **AMENDMENT 001:**

This amendment is to:

- > add a series of questions and answers regarding this request;
- > add an option to section 3, Annex A - Requirement
- > add an option to Annex B - Basis of payment.

### **QUESTIONS & ANSWERS:**

Question no 1: What is the capacity requirement for the fluid bed dryer?

Answer no 1: (Annex A - item 2.8) The system must allow batch drying from 0.2 kilograms (kg) to at least 1.6kg.

Question no 2: 2.11 (Annex A), Please clarify if there is a typo as "a minimum of 80 dg C" is quite high and would kill the yeast spores. I assume this should read "maximum of 80 dg C".

Answer no 2: Process air temperature must be adjustable between 20 dg C to at least 80 dg C .The system must allow heating of the intake air using an electric heating system.

Question no 3: 2.16 (Annex A) Please advise if air dehumidification can be provided as an option or is mandatory. This requirement pushes the need to more expensive standalone equipment. The system we would like to propose would use in house compressed air as the fluidizing medium so humidity would already be controlled by the internal plant systems.

Answer no 3: The dryer will operate in a pilot plant where the temperature is controlled but where the relative humidity may vary depending on the activities in progress. The dehumidification on intake air for the dryer is not mandatory. The tender must have an option of air dehumidification system to control the relative humidity. It is mandatory that the dryer has readings of air relative humidity (%RH) level at the unit inlet and outlet.

Question no 4: 2.19 (Annex A) As mentioned in 2.16 dehumidification is an expensive option and to provide inlet and out humidification instrumentation will require a much larger, complex machine. Please advise if the humidification monitoring can be optional and is really required.

Answer no 4: The dryer will operate in a pilot plant where the temperature is controlled but where the relative humidity may vary depending on the activities in progress. The dehumidification on intake air for the dryer is not mandatory. The tender must have an option of air dehumidification system to control the relative humidity. It is mandatory that the dryer has readings of air relative humidity (%RH) level at the unit inlet and outlet.

Question no 5: Reference to Annex A mandatory requirement 2.14: "The system must have a compressed air intake regulator. The system must allow air compression of at least 6 bars." In the machine we can offer, there is an air intake regulator installed and the system needs 6 bar compressed air. There is a small compressed air tank in the housing for the filter cleaning because the filters are cleaned with compressed air blows. But the fluidization air is not compressed air. We use a ventilator to suck the fluidization air through the system. Is this solution acceptable?

Answer no 5: This solution is acceptable.

Question no 6: Reference to Annex A mandatory requirement 2.14: "The system must be equipped with an air dehumidification system to control the humidity of the air at the entrance. The unit must also be able to measure the humidity level in the air inlet and outlet." We want to offer an external dehumidification system (not integrated into equipment housing). A) Is it acceptable? Also to evaluate the technical execution of the dehumidification system we need more information about room temperature and humidity to be able to match the requirements with the dehumidification system. B) Could you please provide information on this?

Answer no 6 A): The dryer will operate in a pilot plant where the temperature is controlled but where the relative humidity may vary depending on the activities in progress. The dehumidification on intake air for the dryer is not mandatory. The tender must have an option of air dehumidification system to control the relative humidity. It is mandatory that the dryer has readings of air relative humidity (%RH) level at the unit inlet and outlet.

Answer 6B): In the pilot plant, the temperature is 20 to 25 dg C and relative humidity is between 0 to 30 % RH.

Question no 7: Reference to Annex A mandatory requirement 2.20: "The control system must allow connection via other supervisory computers and USB connection to allow free extraction of data." The USB connection for data extraction is no problem. But would you please clarify what do you mean by connection via other supervisory computers?

Answer no 7: The system must be able to transfer data on an USB key or from the dryer computer to a laptop.

Question no 8: Could you please provide information about the material you want to process with this machine: chemical properties, shape, size, moisture level, etc.

Answer no 8: Examples of material are:

Extruded Yeast (500 µm, 30-40% dry matter)  
Alginate beads (80-1000 µm, 25-35% dry matter)  
Freeze dry powder (50-250 µm, 90-95% dry matter, coating of the freeze dry powder)  
Mesh size: 50-1000 µm

Solicitation No. - N° de l'invitation  
01B30-190284/B  
Client Ref. No. - N° de réf. du client  
01B30-19-0284

Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
MTA-8-41126

Buyer ID - Id de l'acheteur  
MTA030  
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Question no 9: Would you please let us know why would you require the option that the device be able to dry in continuous mode (beside the batch mode which is mandatory requirement)? Industry standard fluid bed dryers, either work in batch or continuous mode, not both.

Answer no 9: With regard to the need for "continuous" applications, it will be appropriate to produce 10 kg of batch finished product in one hour to meet the "continuous" need

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## **ANNEX "A" - REQUIREMENT**

### **3. Options**

#### **INSERT:**

- 3.6 As an option, the tender must have an option of air dehumidification system to control the relative humidity. (The dehumidification on intake air for the dryer is not mandatory.)

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## **ANNEX « B » - BASIS OF PAYMENT:**

-Please refer to the following page for Annex B – Revised #001.

-Note to bidders: only this version (# 001) is compliant and can be submitted with your proposal.

**ANNEX "B" – REVISED #001**

**BASIS OF PAYMENT**

Bidders must include prices for **all articles of the base system as well as all the options.**

**Base system**

Item no.	Item description	Quantity	Unit Price *
1	Fluid bed dryer system as described Annex «A» Make offered : _____ Model offered : _____	1	\$ _____
2	Transport, delivery fees	1	\$ _____
3	Start-up fees	1	\$ _____
4	On-site training, including user manual(s) in French and/or English	1	\$ _____
<b>Total (A)</b>			<b>\$ _____</b>

**Options**

Item no.	Item description	Quantity	Unit Price *
1	As an option, the system should allow coating by the Wurster technique.	1	\$ _____
2	As an option, the unit should be equipped with tubing heating system and air atomization system to allow the spraying of products with a melting point of up to at least 100°C.	1	\$ _____
3	As an option, the unit must have an automatic discharge system.	1	\$ _____
4	As an option, the device must be able to dry in continuous mode or in batch mode.	1	\$ _____
5	As an option, the system must be equipped with a WIP (Washing in Place) filter cleaning system.	1	\$ _____
6	As an option, the tender must have an option of air dehumidification system to control the relative humidity.	1	\$ _____
<b>Total (B)</b>			<b>\$ _____</b>

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

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\*Applicable taxes extra.

\* Customs duties included, if applicable.

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**ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.**