



**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	
<b>Solicitation No. - N° de l'invitation</b> 01B30-190284/C	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> 01B30-190284	<b>Date</b> 2019-06-19
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$MTA-490-15348	
<b>File No. - N° de dossier</b> MTA-8-41126 (490)	<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 2019-07-08</b>	
<b>Time Zone</b> Fuseau horaire Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes	
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Sirois, Richard	<b>Buyer Id - Id de l'acheteur</b> mta490
<b>Telephone No. - N° de téléphone</b> (514) 718-5993 ( )	<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>

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

Amd. No. - N° de la modif.  
002  
File No. - N° du dossier  
MTA-8-41126

Buyer ID - Id de l'acheteur  
MTA490  
CCC No./N° CCC - FMS No./N° VME

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## **AMENDMENT 002**

This amendment is to provide a question/answer and to amend the Request for Proposal (Annexes A & C).

### 1- QUESTION AND ANSWER

Q1. Can the system be operated with conductible organic solvents?

A1. No.

2- AMEND THE REQUEST FOR PROPOSAL AS FOLLOWS.

**DELETE ENTIRELY**

Annex A – Item 2.8

The system must allow batch drying from 0.2 kilograms (kg) to at least 1kg.

Annex A - Item 2.15

The system must have inlet filters with the following specification: Process Inlet filter HEPA, efficiency 99.97% min @ 0.3 microns, boron silicate microfibre. Life expectancy designated by the manufacturer of the filters.

A set of additional filters must be provided upon delivery.

Annex A - Item 2.18

The equipment must be equipped with a control system and display the atomization air pressure, inlet process air temperature, output temperature, product temperature. The device must have a data acquisition system.

The control system must be able to control using a programmable logic controller. The operator must be able to initiate activation process parameters via the operator interface panel.

Annex A – Item 2.20

The system 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: The system 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.

## INSERT

### Annex A - Item 2.8

The system should allow drying in batch mode between 0.2 kilograms (kg) and 2.5 kg. (maximum spray capacity between 200ml and 2500ml and the lower spray capacity between 200 and 2500ml). These quantities may vary depending on the density of the product and the parameters of the process.

### Annex A – Item 2.15

The system must be equipped with an input filter with the following specifications: HEPA process input filter, 99.97% min efficiency - 0.3 micron, boron silicate microfiber or H13 filters (according to EN1822-1) standard for inlet air and air atomization. Similar quality input filters is also accepted. The system must be equipped with an E10 or higher grade for outlet air filter.

An additional set of filters will need to be provide with equipment delivery.

### Annex A – Item 2.18

The equipment must be equipped with a control system and display the atomization air pressure, the air temperature of the entry process, the output temperature, the temperature of the product. The device must have a data acquisition system. (A single interchangeable sensor for product temperature and output temperature is also accepted).

The control system must be able to control with the help of a programmable logic controller. The operator must be able to initiate the activation process settings via the operator's interface panel

**DELETE ENTIRELY**

**ANNEX "C" MANDATORY TECHNICAL CRITERIA TO BE DEMONSTRATED**

<b>Criteria no.</b>	<b>Criteria description</b>	<b>Reference within your Technical bid (Page and/or Section)</b>
2.1	All components that come into direct contact with the product must be made of ANSI 316L stainless steel and the other stainless steel components must be 304.	
2.2	Exterior finish must be rustproof or painted steel.	
2.3	The system and its components must be water resistant and must be accessible for cleaning operations.	
2.4	The unit or all its components (before assembly) must be able to pass through a door with the following dimensions at the time of delivery: 7 feet wide (7 ') and 10 feet high (10').	
2.5	Main power supply. The system must be compatible with one of the following electrical systems: 60 Hz (Hz) and 120 volt (V) single-phase, 208 volt (V) single-phase, 208V three-phase, single-phase 347V or 600V three-phase.	
2.6	The fluidized bed system must allow the following drying techniques: granulation, agglomeration and coating.	
2.7	The system should allow coating by the Wurster technique. The Wurster system must be able to process with different particle size: 100-250 µm, 250-750 µm, 750-3000 µm.	
2.8	The system must allow batch drying from 0.2 kilograms (kg) to at least 1.0kg.	
2.9	The system must have a minimum spray rate of 2 liters per hour (L / h).	
2.10	The system must be provided with a pump system to feed the fluidized bed atomization nozzle.	
2.11	The system must allow heating of the intake air (minimum 20° C) to at least 80 ° C using an electric heating system.	
2.12	The system must be provided with binary atomization nozzles with connections for compressed air and liquid.	
2.13	The system must allow spraying either from the top or the bottom of the drying chamber.	

2.14	The system must have a compressed air intake regulator. The system must allow air compression of at least 6 bars.	
2.15	The system must have inlet filters with the following specification: Process Inlet filter HEPA, efficiency 99.97% min @ 0.3 microns, boron silicate microfibre. Life expectancy designated by the manufacturer of the filters.  A set of additional filters must be provided upon delivery.	
2.16	The system must be capable of treating ST2 class powders.	
2.17	The unit must be a system without static electricity build-up.	
2.18	The equipment must be equipped with a control system and display the atomization air pressure, inlet process air temperature, output temperature, product temperature. The device must have a data acquisition system.  The control system must be able to control using a programmable logic controller. The operator must be able to initiate activation process parameters via the operator interface panel.	
2.19	The control system must allow USB connection to allow free extraction of data.	

**INSERT**

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2.14	The system must have a compressed air intake regulator. The system must allow air compression of at least 6 bars.	
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**All other terms and conditions remain unchanged.**