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Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Est
800, rue de La Gauchetière Ouest
7 ième étage
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-Est
800, rue de La Gauchetière Ouest
7 ième étage
Montréal
Québec
H5A 1L6

Title - Sujet redevelopment laboratories Health	
Solicitation No. - N° de l'invitation EF944-172249/A	**Amendment No. - N° modif.** 008
Client Reference No. - N° de référence du client R.042032.001	**Date** 2017-02-08
GETS Reference No. - N° de référence de SEAG PW-$MTC-560-14172	
File No. - N° de dossier MTC-6-39312 (560)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2017-02-22**	**Time Zone** **Fuseau horaire** Heure Normale du l'Est HNE
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Ghali, Camille	**Buyer Id - Id de l'acheteur** mtc560
Telephone No. - N° de téléphone (514) 496-3871 ( )	**FAX No. - N° de FAX** ( ) -
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:**	

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**	

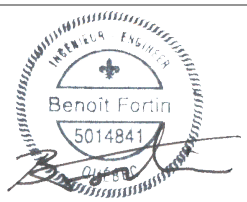
Solicitation No. - N° de l'invitation	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
EF944-172249/A	008	mtc560
Client Ref. No. - N° de réf. du client	File No. - N° du dossier	CCC No./N° CCC - FMS No/ N° VME
R.042032.001	MTC-6-39312	

AMENDMENT No. 8

This amendment aims to answer some questions received during the call for tender.

- **All other terms and conditions remain unchanged –**

ADDENDUM PAGEAU MOREL NO.05



Mechanical

1 GENERAL

1.1 This addendum is part of and shall be read jointly with the tender documents. In the case of contradiction, this document has precedence.

2 SCOPE

2.1 Tender specifications modifications.

2.2 Question : "*Are VAV fume hood controls provided and installed by whom? We never provide controls, but we can install them if required in factory. Alternatively, they can be installed at the construction site by the control specialist?*"
Answer : See Articles 3.1 and 3.5 of this Addendum.

2.3 Question : "*The hood chart shows "drain" but does not indicate what type of sink it is required in the fume hood counter. Sink or godet model and dimensions required?*"
Answer : See Article 3.1 of this Addendum.

2.4 Question : "*Should ventilation contractors include laboratory fume hoods in their submission that they will forward to the general contractor? Or, we deliver our price directly to the general contractors?*"
Answer : See Article 3.5 of this Addendum.

2.5 Question : "*Is section 23 05 29, Art. 2.5 - Protective shield, applies to cold water domestic and cold laboratory piping?*"
Answer : See Article 3.2 of this Addendum.

2.6 Question : "*What kind of piping, fittings and valves should be used for the natural gas network?*"
Answer : See Article 3.3 of this Addendum.

2.7 Question : "*Who is responsible for emptying, filling, cleaning and restarting the demineralized water system? If these activities are at our expense, please provide us with the system brand so that we can contact the supplier.*"
Answer : See Article 3.4 of this Addendum.

ADDENDUM PAGEAU MOREL NO.05

3 ELECTROMECHANICAL DESCRIPTION

3.1 Specifications – Section 12 35 53.13

3.1.1 Article 2.1.5.4.3 is added as follows:

.3 Godet of oblong shape to be provided when a water service is required in the fume hood. Integrated in the work surface and made of the same material. Drain of 38 mm in diameter. External dimensions: 191 mm x 114 mm.

3.1.2 Article 2.1.11 is added as follows:

.11 The fume hood controls provided by the manufacturer of the motorized independent pressure units shall be installed in the factory on fume hoods.

3.2 Specifications – Section 22 11 16

3.2.1 Article 1.1.2 is added as follows:

.2 Section 23 05 29 – Hangers and Supports for HVAC Piping and Equipment.

3.3 Specifications – Section 22 15 00

3.3.1 Article 2.10 is added as follows:

2.10 PIPING AND ACCESSORIES FOR NATURAL GAS (MAXIMUM PRESSURE 860 kPa)

.1 Piping up to NPS 50 mm: Standard black carbon steel pipe, threaded ends, seamless. ASTM A-53, Grade « B », Type « E ».

.2 Piping from NPS 65 mm to 300 mm: Standard black carbon steel pipe, threaded ends, electric resistance welding. Grade « B », Type « E ».

.3 Fittings and couplings up to NPS 50 mm: Class 300, malleable iron, tapped with overlaps, in accordance to ANSI B16.3.

.4 Nipples up to NPS 50 mm: Standard, threaded, ASTM A53 Grade « B ».

.5 Unions up to NPS 50 mm: Class 300, malleable iron, threaded, copper to iron ground joint, in accordance to ANSI B16.3.

.6 Flanges up to NPS 50 mm: Class 150, forged steel, raised face, threaded, in accordance to ASTM A-105, ASTM A-181 and ANSI B36.10.

.7 Flanges NPS 65 mm and over: Class 150, forged steel raised face, welding neck, in accordance to ASTM A-105 and ASTM A-181.

.8 Bolts and nuts: Carbon steel, bolts and hex nuts semi-finished, in accordance to ASTM A-307-78.

.9 Class 200 plug and ball valves, lubricated, approved, rectangular opening, Teflon coating. Up to 50 mm : Tapped ends with plug valve wrench. NPS 65 mm to 150 mm: Flanged taps with plug valve wrench.

.10 Joints up to NPS 50 mm are screwable. NPS 65 mm and up, joints are weldable.

.11 Sealant for threaded fittings : Threading covered with teflon tape or teflon coating for pipes.

ADDENDUM PAGEAU MOREL NO.05

3.3.2 Article 3.9 is added as follows:

3.9 INSTALLATION FOR NATURAL GAS NETWORK

.1 Do a hydrostatic test on the water distribution networks at a pressure equal to 1½ times the network's working pressure or at a minimum pressure of 860 kPa (125 lbs/sq.in.).

.2 Unless otherwise indicated, put the network under pressure and make sure no leaks occur for a period of 4 hours.

.3 Test the natural gas networks in compliance with the requirements of the CAN 1-B149.1 M80 standard.

.4 Install piping in a straight line and level, near the walls and ceilings, and parallel to these surfaces. Regularize the piping slope in compliance with the requirements. Use standard fittings where pipe changes direction.

.5 Bore pipe ends before connecting.

.6 Use a non corrosive lubricant or teflon tape to cover thread.

.7 Clean pipes or tube ends and fitting cavities which must be welded or brazed. Connect pieces without jamming them.

3.4 Specifications – Section 22 42 01

3.4.1 Article 3.15 is added as follows:

3.15 DEMINERALISED WATER NETWORK

.1 In order to take care of the emptying, filling, cleaning and restarting the demineralised water network by this section, the company presently having a service and maintenance contract on the demineralised water system is: Durpro. Contact : M. John Maher, telephone: 450 659-7781.

3.5 Specifications – Section 23 36 00

3.5.1 Article 1.1.3 is added as follows:

.3 Section 12 35 53.13 – Fume Hoods.

3.5.2 Article 2.4.1.4 is added as follows:

.4 When coupled to a fume hood, the motorized variable pressure variable pressure unit shall be supplied with a fume hood air flow monitor, a presence detection and sash position sensor.

3.6 MECHANICAL Drawings

3.6.1 No revision to the drawings.

3.7 ELECTRICAL Drawings

3.7.1 No revision to the drawings.