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Public Works and Government Services / Travaux  
publics et services gouvernementaux  
Kingston Procurement  
Des Acquisitions Kingston  
86 Clarence Street, 2nd floor  
Kingston  
Ontario  
K7L 1X3  
Bid Fax: (613) 545-8067

**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**

Public Works and Government Services / Travaux  
publics et services gouvernementaux  
Kingston Procurement  
Des Acquisitions Kingston  
86 Clarence Street, 2nd floor  
Kingston  
Ontario  
K7L 1X3

<b>Title - Sujet</b> Vacuum Pump System		
<b>Solicitation No. - N° de l'invitation</b> W0114-165250/A		<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> W0114-16-5250		<b>Date</b> 2015-12-15
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$KIN-620-6740		
<b>File No. - N° de dossier</b> KIN-5-44149 (620)	<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 2016-01-06</b>		<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<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> Porter, Marta M.		<b>Buyer Id - Id de l'acheteur</b> kin620
<b>Telephone No. - N° de téléphone</b> (613) 483-6084 ( )		<b>FAX No. - N° de FAX</b> (613) 545-8067
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> RMCC, CFB Kingston Department of Mechanical and Aerospace Engineering 19 General Crerar Cres., Sawyer Bldg. Kingston ON. K7K 7B4		

**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/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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**Amendment 002 – Vacuum Pump System, is being raised for the following reason:**

- 1. Provide a response back from Public Works and Government Services Canada to questions received from bidders.**
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**Q1.** Annex A paragraph 1.1 lists a vacuum pump capable of producing 28-29"Hg (23-48 Torr). The specifications in paragraph 2.2 mention an ultimate vacuum of 0.5 Torr (29.9" Hg) / 5 Torr which is much lower than 23-48 Torr and, hence, could not be achieved with the requested pump. Please clarify.

**A1.** The required specification according to paragraph 2.2 is an ultimate vacuum of 0.5 Torr (29.9" Hg)/5 Torr.

**Q2.** What is the preferred starting method of the motor?

- Manual power switch
- Motor starter + Start & Stop Button
- Variable Frequency Drive + Start & Stop Button

**A2.** The preferred starting method for motor is "motor starter + start and stop button"

**Q3.** Are any of the following features required?

- Auto shut off after certain motor run time
- Adjustable Vacuum High / Low limits that start and stop the motor automatically

**A3.** None of the above features are required.

**Refer:** Annex "A" – Requirement, 2.2 Specification Required

**Delete:** In its Entirety

**Insert:** Annex "A" – Requirement, 2.2 Specification Required

**(a) Vacuum Pump System**

	<b>Value</b>	<b>Unit</b>
Starting Method for Motor is Motor Starter + Start and Stop Button		
Oil-Sealed Rotary Vane Vacuum Pump		
Multi-vane		
Air-cooled		
Direct drive		
Pumping speed (ACFM)	450	cfm
Ultimate pressure, absolute(without gas ballast)	0.5	Torr
Ultimate pressure, absolute (with gas ballast)	5	Torr
Inlet port size	3 – 4	inch (ISO/NPT)
Exhaust port size	2 – 3	inch (ISO/NPT)
Inlet air filter		
Exhaust oil mist filter		
Inlet check valve		
Power	25-30	Hp
Electrical motor characteristics (60 Hz) 3 Phase	220-230 /440-460	V
Motor Efficiency	TEFC/IE2	Standard
Working ambient temperature (range)	20 to 25	°C
Temperature of air at inlet port (range)	-30 to +35	°C
Noise level	70-81	dB, 1 meter
Dimensions (max width, max height)	46, 80	inch

**ALL OTHER TERMS AND CONDITIONS OF THIS SOLICITATION REMAIN UNCHANGED.**

**If your tender has already been forwarded and you wish to revise same, this revision should be faxed and reach the bid receiving area before the closing date. The tender number and the closing date are to be shown on the first page of your fax.**