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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
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Ontario
K7L 1X3

Title - Sujet Stationary Collaborative Robot	
Solicitation No. - N° de l'invitation 31184-199532/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client 31184-19-9532	Date 2018-12-06
GETS Reference No. - N° de référence de SEAG PW-\$KIN-555-7605	
File No. - N° de dossier KIN-8-50087 (555)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-12-14	
Time Zone Fuseau horaire Eastern Standard Time EST	
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: Webster, Sean	Buyer Id - Id de l'acheteur kin555
Telephone No. - N° de téléphone (613) 545-8843 ()	FAX No. - N° de FAX (613) 545-8067
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

Amendment 003 – Stationary Collaborative Robot Assembly is being issued in response to Offeror's questions and Canada's responses and a change to the solicitation closing date.

Reference: **Page 1 – Solicitation Closing Date**

Delete: **On – le 2018-12-12.**

Insert: **On – le 2018-12-14**

Reference : Annex A, 4.1 Minimum Technical Specifications item i. Payload

Q1: Does the entire 14-35 range need to be covered or is anything above or equal to 14kg acceptable?

A1: Yes, anything above or equal to 14 kg is acceptable.

Delete: Payload : 14 – 135 kg

Insert: Payload : >=14 kg

Reference : Annex A, 4.1 Minimum Technical Specifications item vi. Repeatability

Q2: Would +/-0.1mm be acceptable?

A2: Yes, this falls within the acceptable technical specifications.

Reference : Annex A, 4.1 Minimum Technical Specifications item xiii. Must be able to interface directly with the controller

Q3: What is the specific objective and requirement behind this specification? Which data types need to be shared?

A3: The robot must be able to directly interface with the controller to allow for system upgrades to software/firmware, install options, etc.

SEE QUESTION 4 FOR RELEVANT CHANGES TO THE RFP

Reference : Annex A, 4.1 Minimum Technical Specifications xiii. Must be able to interface directly with the controller

Q4: Would any of the following data types be acceptable?

COM
HDMI
LAN
USB 2.0
USB3.0

A4: USB drives, USB communication, and LAN communication are acceptable means of interfacing.

Delete: Must be able to interface directly with the controller to allow for further upgrades or integration work.

Insert: Must be able to directly interface with the controller through USB drives, USB communication, or LAN communication to allow for system upgrades to software/firmware, install options, etc.

Reference : Annex A, 4.1 Minimum Technical Specifications item xiv (1). Capable of communicating process variables and status to DCS system

Q5: Please clarify the process and status variables, and the DCS system required.

A5: We are looking to be able to interface the robot with another piece of machinery, we must be able to share at the minimum values of inputs and outputs, joint positions, memory bits/values, program names, operating mode, e-stops status, and programmable register values.

Reference : Annex A, 4.1 Minimum Technical Specifications item xiv(3). Capable of interrupt and background scripts

Q6: Please clarify what is meant by "Capable of interrupt and background scripts".

A6: We are looking to have the capability of programming tasks that occur based off of triggered events, such as an external signal from a sensor or device causing a program/subroutine call or action

Reference : Annex A, 4.1 Minimum Technical Specifications item xvii. Full color teach pendant

Q7: "Full color teach pendant" is not a practical requirement for a collaborative robot system. Is this a mandatory requirement?

A7: A teach pendant is the most commonly used interface in industry and we wish to best replicate an industrial environment, a teach pendant is required.

Reference : Annex A, 4.1 Minimum Technical Specifications item xvii. 3-position deadman switch

Q8: Is the requirement for a 3 position deadman switch mandatory?

A8: This requirement is not mandatory.

Delete: "with 3-position deadman switch"

Reference : Annex A, 4.1 Minimum Technical Specifications item xvii. (1) Connection Cable

Q9: The maximum practical cable length is 3m, would this be acceptable?

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Amd. No. - N° de la modif.
003
File No. - N° du dossier
KIN-8-50065

Buyer ID - Id de l'acheteur
KIN555
CCC No./N° CCC - FMS No./N° VME

A9: A 7m connection cable is no longer a mandatory requirement.

Delete: "1. Cable length: $\geq 7m$ "

Reference : Annex A, 4.1 Minimum Technical Specifications item xix. Offline programming and simulation software with 1 license

Q10: This software is available but does not seem practical based on the simplicity and design of collaborative robot systems, is it a mandatory requirement?

A10: This is a mandatory requirement. We will use this software a great deal in our facility, as our system setups are will change often. The ability to offline program and simulate new setups is necessary for to us to save time, quickly estimate cycle times, and find potential issues before deployment.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED